

**GROUND-WATER LEVELS IN
OBSERVATION WELLS
IN KANSAS, 1959**

By

V. C. Fishel and Margaret E. Broeker

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BULLETIN 146

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Prepared by the United States Geological Survey and the State Geological Survey of Kansas, with the cooperation of the Division of Water Resources of the Kansas State Board of Agriculture, the Division of Sanitation of the Kansas State Board of Health, and the City of Wichita, and integrated with the program of the Interior Department for development of the Missouri River Basin.



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GROUND-WATER LEVELS IN OBSERVATION WELLS IN KANSAS, 1959

By

V. C. FISHEL AND MARGARET E. BROEKER

ABSTRACT

Measurements of water levels in 835 wells in 76 counties in Kansas in 1959 are given in this report, which is the fourth in a series of annual water-level reports to be published by the state. Records for part of the wells for years prior to 1956 have been published in an annual series of water-supply papers by the United States Geological Survey; records for some of the wells that are in the Missouri Basin have been issued in an annual series of mimeographed reports for the years 1947 through 1955; and records for some wells have been included in both reports.

Annual precipitation ranged from 54.07 inches at Elgin in southeastern Kansas to 12.54 inches at Tribune in western Kansas. Most of the state received above normal precipitation for the year, but the precipitation was below normal in a few local areas.

During 1959 the ground-water levels in most wells in Kansas declined a small amount. The average decline of the water levels in 12 wells in western Kansas was about 1.0 foot. The average decline of the water level in four key wells in central Kansas was about 0.6 foot. The decline of the water level in a key well in eastern Kansas was about 2.0 feet. During the drought years 1952 through 1956, most ground-water levels in Kansas were at record low stages. The water level in many wells had recovered during 1957 and 1958 to the pre-drought stage.

INTRODUCTION

In 1957 the first of a series of annual reports, containing records of observation wells in Kansas in 1956, was published by the State Geological Survey of Kansas (Fishel and Mason, 1957). The records for 1957 were published in 1958 (Fishel and Mason), for 1958 in 1959, (Fishel, Gulley, and Reavis), and the present report is the fourth of the series and contains the water-level measurements of 835 wells made during 1959.

Prior to 1956, water-level measurements were published annually by the U. S. Geological Survey as water-supply papers. Those in which measurements of observation wells in Kansas have been published are given in Table 1. Beginning with 1956 (Water-Supply Paper 1456) the records of a selected network of observation wells will be published by the U. S. Geological Survey at 5-year intervals.

TABLE 1.—*U.S. Geological Survey Water-Supply Papers in which water-level measurements of observation wells in Kansas have been published.*

Year	Water-Supply Paper	Year	Water-Supply Paper
1935	777	1946	1073
1936	817	1947	1098
1937	840	1948	1128
1938	845	1949	1158
1939	886	1950	1167
1940	908	1951	1193
1941	938	1952	1223
1942	946	1953	1267
1943	988	1954	1323
1944	1018	1955	1406
1945	1025	1956	1456

The objectives of the observation-well program are to provide an evaluation of available ground-water supplies, to facilitate the prediction of trends in ground-water levels that will indicate the probable status of important ground-water supplies in the future, to aid in the prediction of the base flow of streams, to provide information for use in basic research, and to provide long-term continuous records of fluctuations of water levels in representative wells. These selected records serve as a framework to which may be related many short-term records collected during an intensive investigation.

Water levels in wells fluctuate in response to recharge and discharge of ground water. The water level may be influenced by direct recharge from precipitation, withdrawals from wells or springs, transpiration by vegetation, evaporation from the soil, and changes in atmospheric pressure.

COOPERATIVE GROUND-WATER PROGRAM

The observation-well program in Kansas is carried out as a part of a cooperative ground-water program by federal and state agencies. A cooperative investigation of the ground-water resources of Kansas was begun in 1937 by the U. S. Geological Survey, the State Geological Survey, the Division of Sanitation of the State Board of Health, and the Division of Water Resources of the State Board of Agriculture. The City of Wichita cooperated in a study of the Equus-beds area. In 1946 special studies were started in parts of the state lying within the Missouri Basin as a part of the Interior Department program for development of the Missouri Basin. These special studies were made in areas in which

the Bureau of Reclamation was making investigations of proposed irrigation projects.

The ground-water program in Kansas is carried out under the direction of or in cooperation with the following:

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CITY OF WICHITA, WATER-SUPPLY DIVISION	
Director	R. H. Hess
Hydrologist	G. J. Stramel
Superintendent of well field	S. A. Smith

The results of the cooperative ground-water studies in Kansas have been published as bulletins by the State Geological Survey. Since the program was started in 1937 the studies have included all or parts of 78 counties (Fig. 1). Reports published during 1959

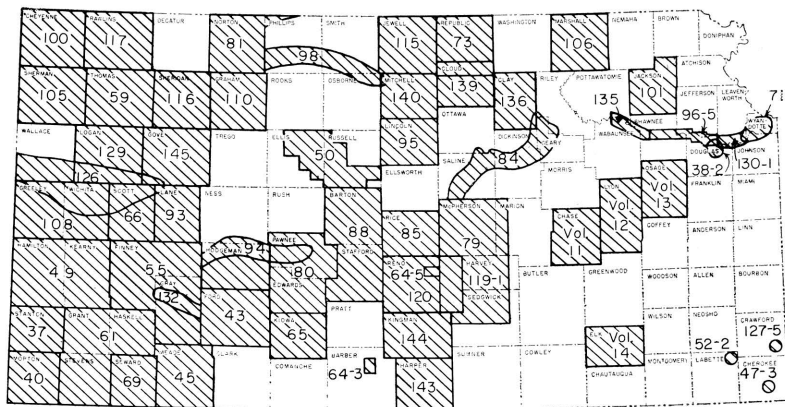


FIG. 1.—Areas in Kansas for which ground-water reports have been published as bulletins by the State Geological Survey, 1959. (Numbers on map correspond to bulletin numbers)

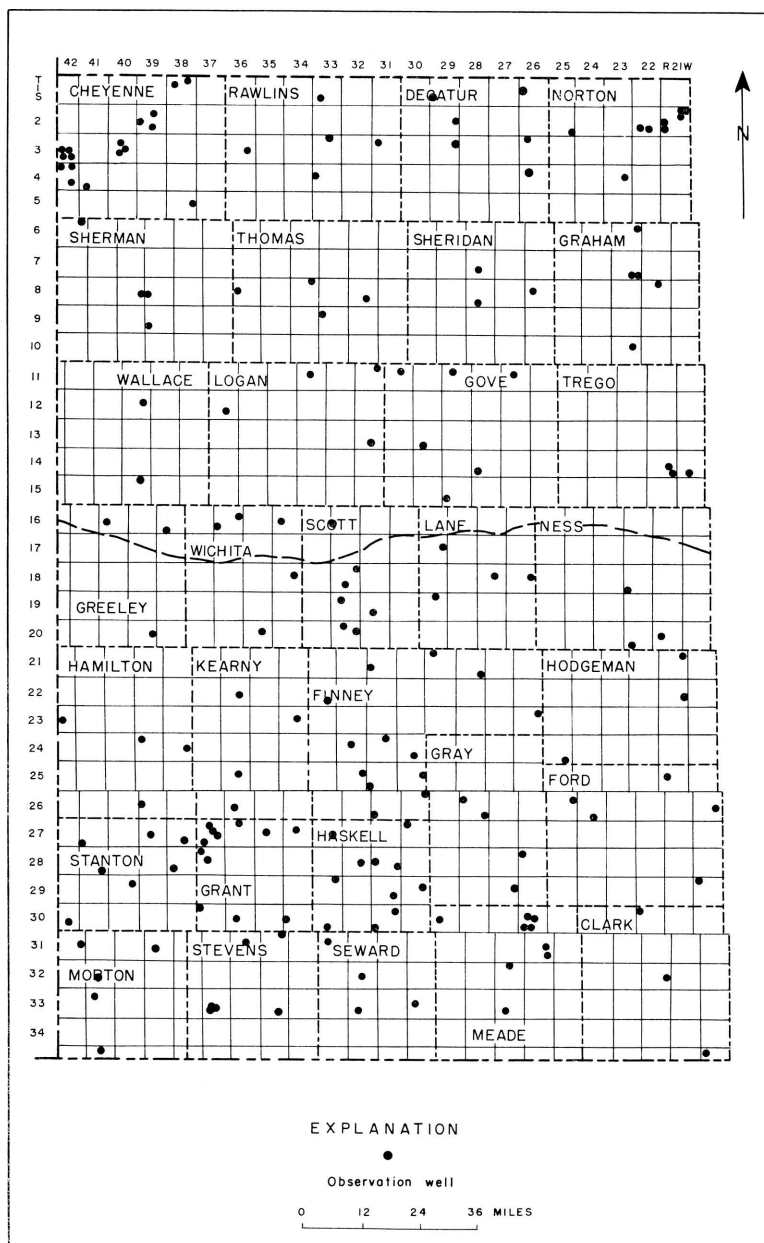


FIG. 2.—Observation wells in western Kansas, December 31, 1959. Dashed line separates Missouri Basin above from Arkansas Basin below.

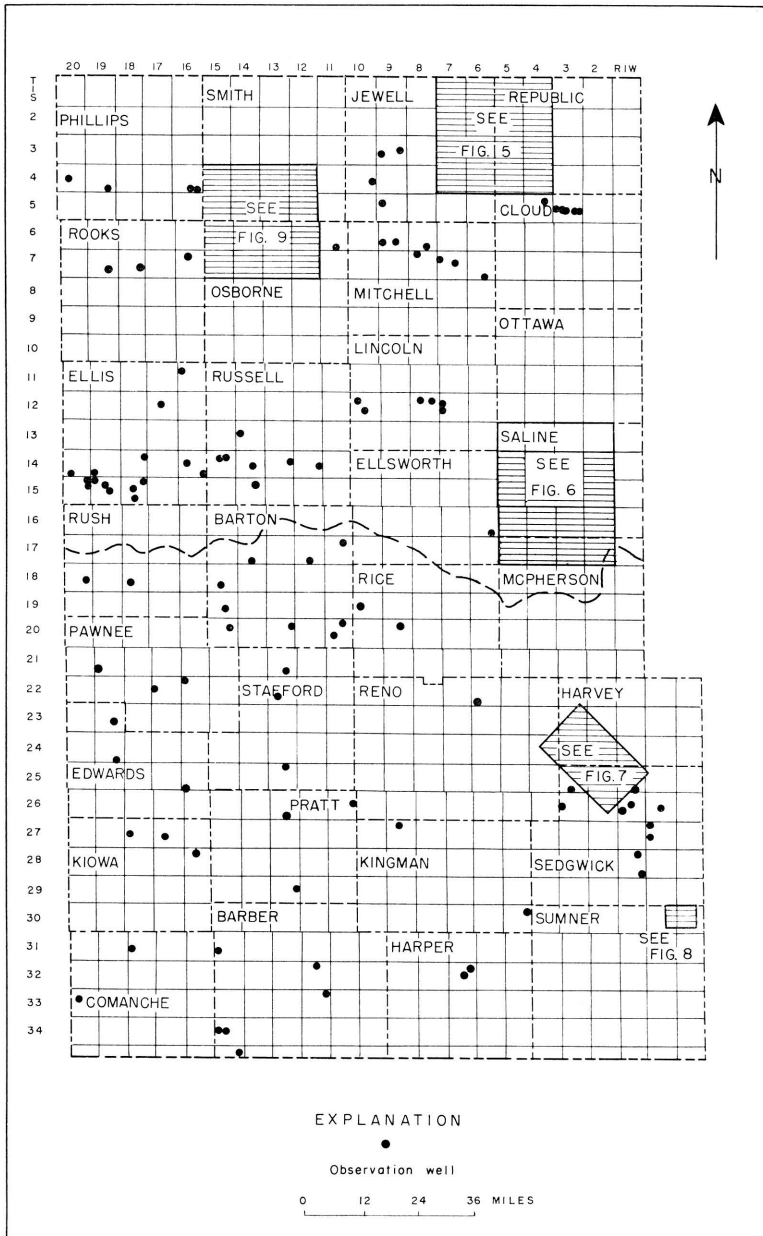


FIG. 3.—Observation wells in central Kansas, December 31, 1959. Dashed line separates Missouri Basin above from Arkansas Basin below.

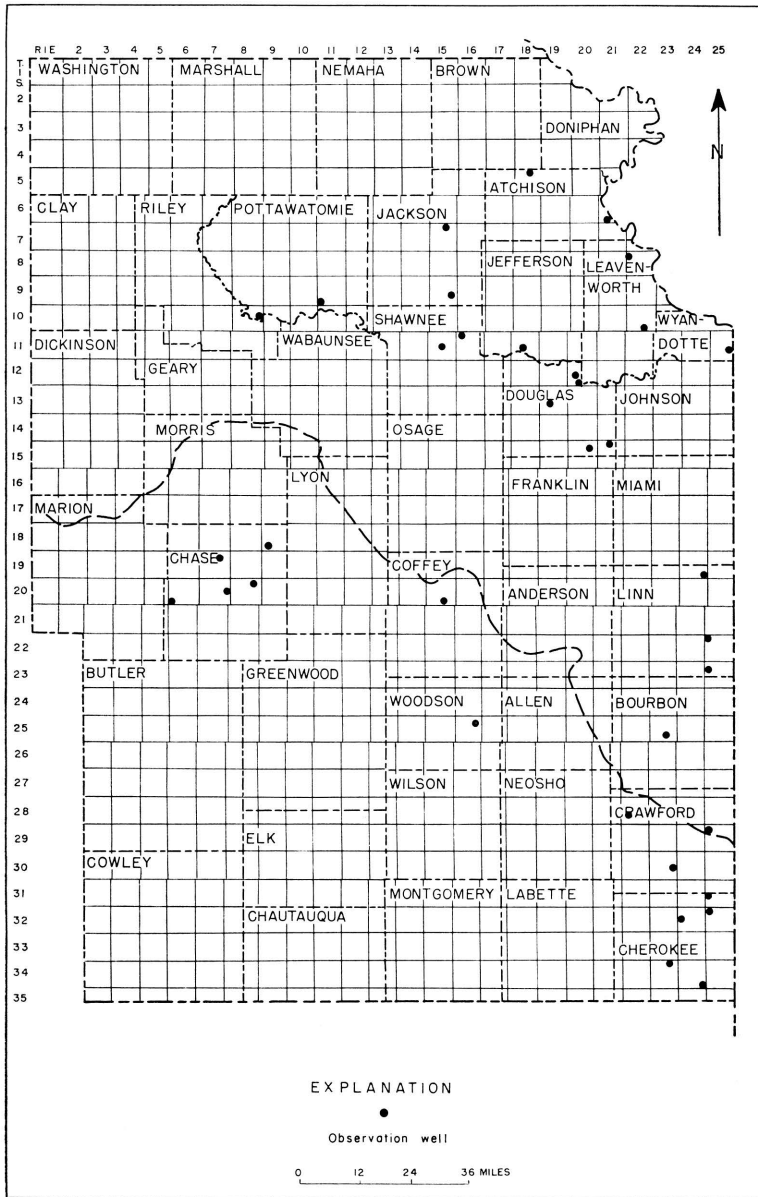


FIG. 4.—Observation wells in eastern Kansas, December 31, 1959. Dashed line separates Missouri Basin above from Arkansas Basin below.

described the ground-water resources of Clay County (Walters and Bayne), Cloud County (Bayne and Walters), and Mitchell County (Hodson).

Although this report is a cooperative product of the U. S. Geological Survey and the Kansas Geological Survey, the stratigraphic nomenclature is that of the Kansas Geological Survey and does not necessarily follow the nomenclature of the U. S. Geological Survey.

ACKNOWLEDGMENTS

Measurements of water levels by the Division of Water Resources include southwestern Kansas by Howard Corrigan and Paul F. Sweangen, south-central Kansas by Bruce Frisbie, and

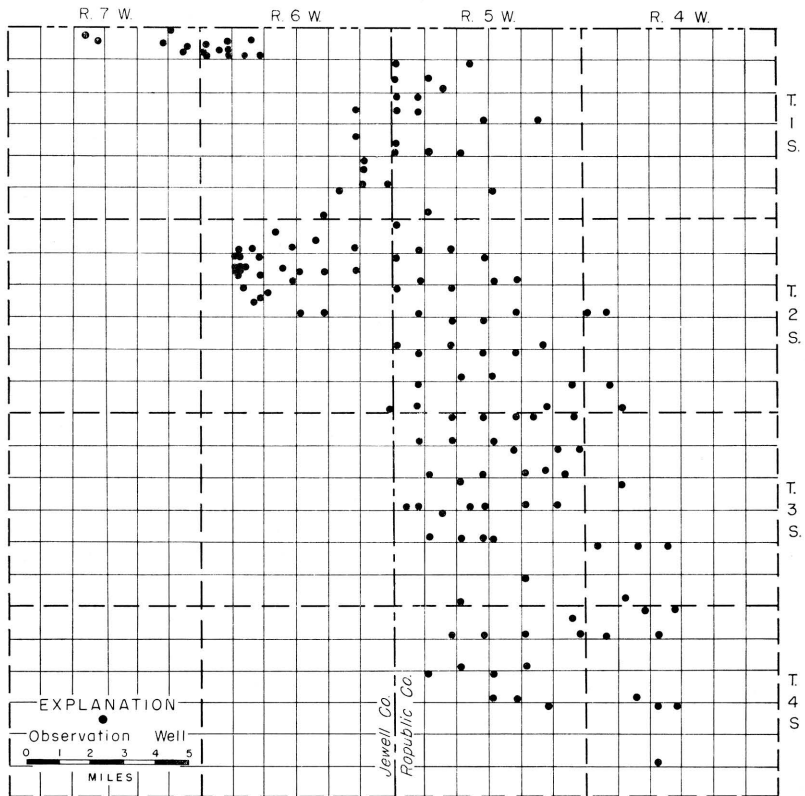


FIG. 5.—Observation wells in Bostwick unit in Jewell and Republic Counties, December 31, 1959.

northwestern and north-central Kansas by Russel Schoof. The measurements for two wells in the Anthony well field were submitted by C. W. Atchison, Water Superintendent. Measurements of the water levels in wells in the Almena, Bostwick, and St. Francis Units of the Missouri Basin program were made by the Bureau of Reclamation under the direction of Paul H. Berg, Project Manager, Kansas River Projects Office. The other wells were observed by members of the Federal and State Geological Surveys.

SCOPE OF THE WATER-LEVEL PROGRAM

At the end of 1959 the water levels in 821 wells in 76 counties were being observed. During 1959, 149 wells were added to the

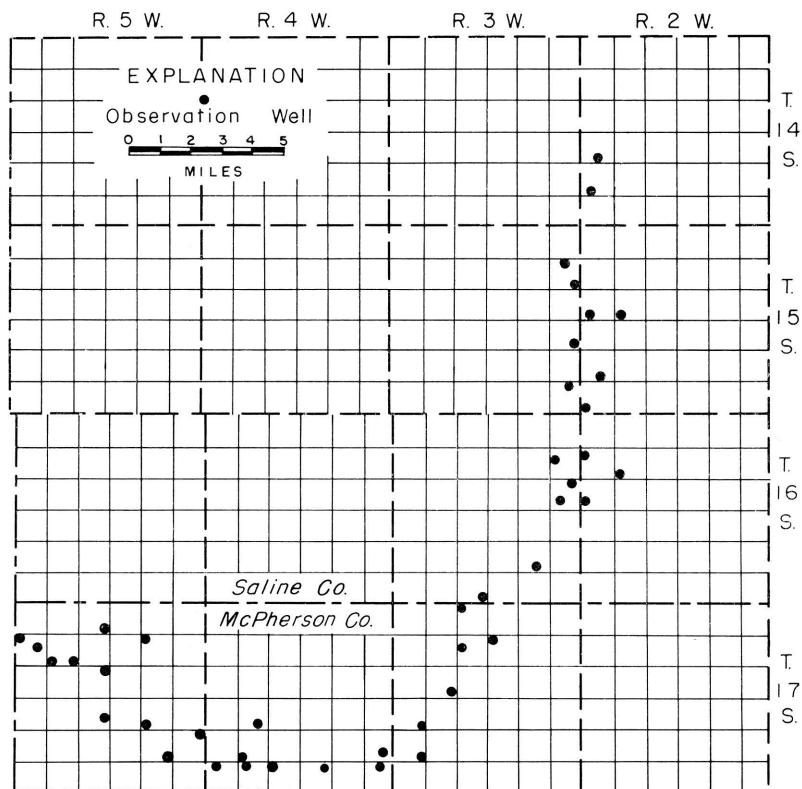


FIG. 6.—Observation wells in Kanopolis unit in Saline and McPherson Counties, December 31, 1959.

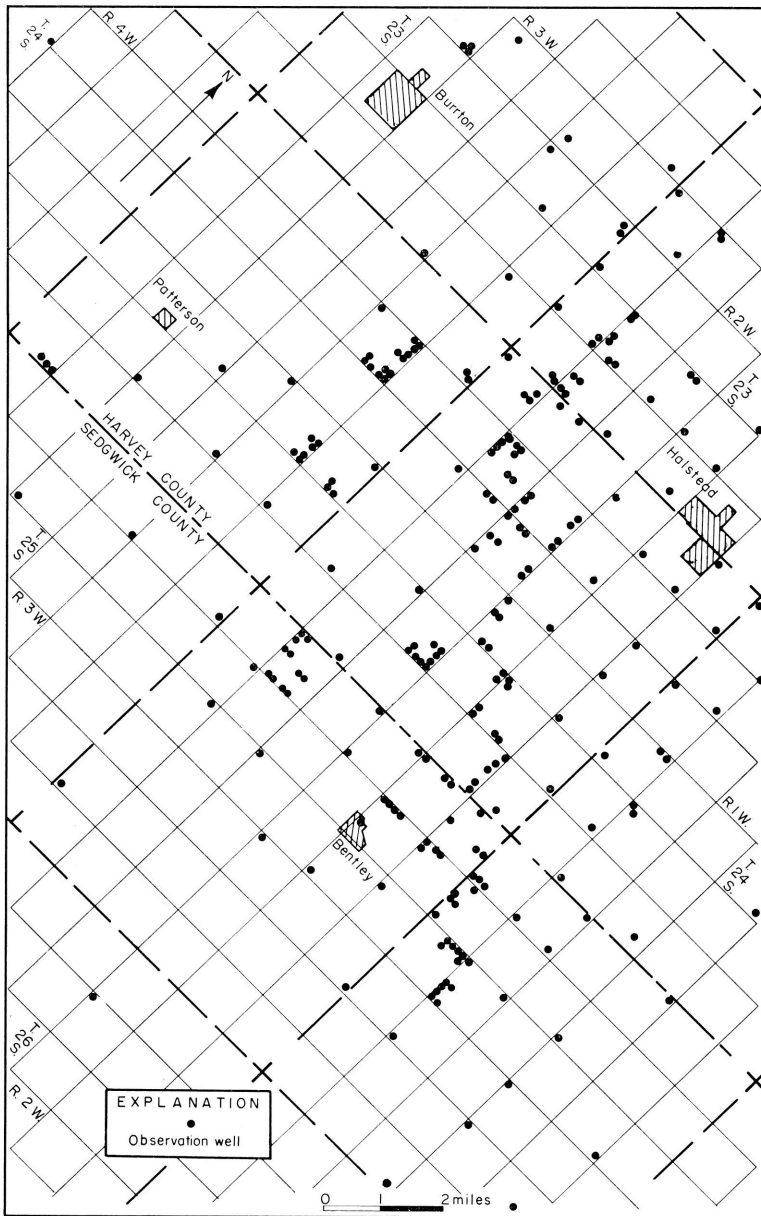


FIG. 7.—Observation wells in Equus-beds area, Harvey and Sedgwick Counties, December 31, 1959.

observation-well network and measurements were discontinued in 14 wells. Eleven wells were equipped with continuous water-level recorders; some wells were observed weekly, some monthly, some quarterly, and some annually. The distribution of the wells by counties is given in Table 2 and is shown in Figures 2 to 9 inclusive. In five areas in central Kansas the wells are too closely spaced to show on the areal map in Figure 3, and hence these areas are shown enlarged in Figures 5, 6, 7, 8, and 9.

In 1946 an observation-well program was started in some valley areas as a part of the program of the Department of the Interior for the development of the Missouri Basin. These valley areas are in the units that were proposed or were being developed as irrigation projects by the Bureau of Reclamation. The water-level measurements made on these wells during 1959 are given in this report. The areas included in the Missouri Basin program are given in Table 3.

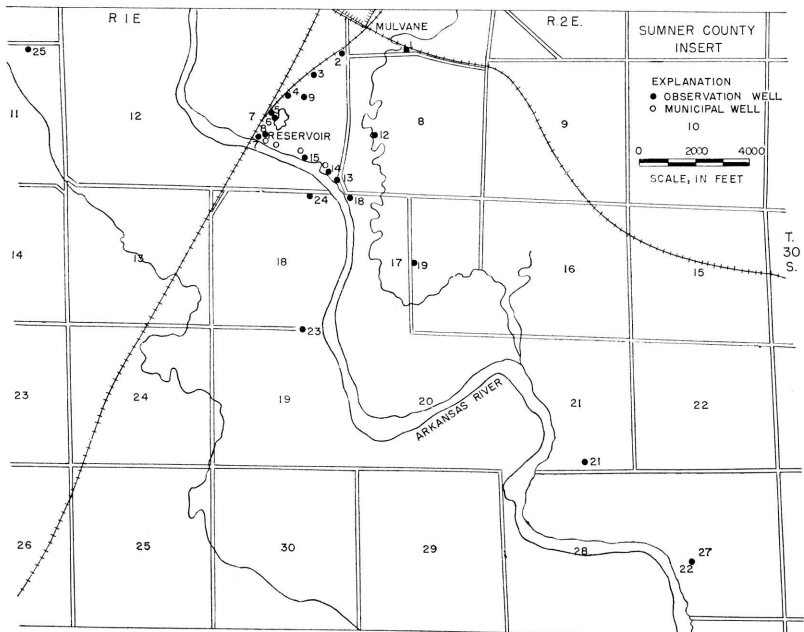


FIG. 8.—Observation wells near Mulvane, Sumner County, December 31, 1959.

WELL-NUMBERING SYSTEMS

Most wells are numbered either serially within counties or in accordance with the Bureau of Land Management system of land subdivision. In the location system the first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. Thus, in Cloud County, the number 6-2-30dad indicates that the well is in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 6 S., R. 2 W. (Fig. 10).

The letters (MB) following the well number indicate that the well is a Missouri Basin well and that records previous to 1956, if any, were released annually in a mimeographed series of

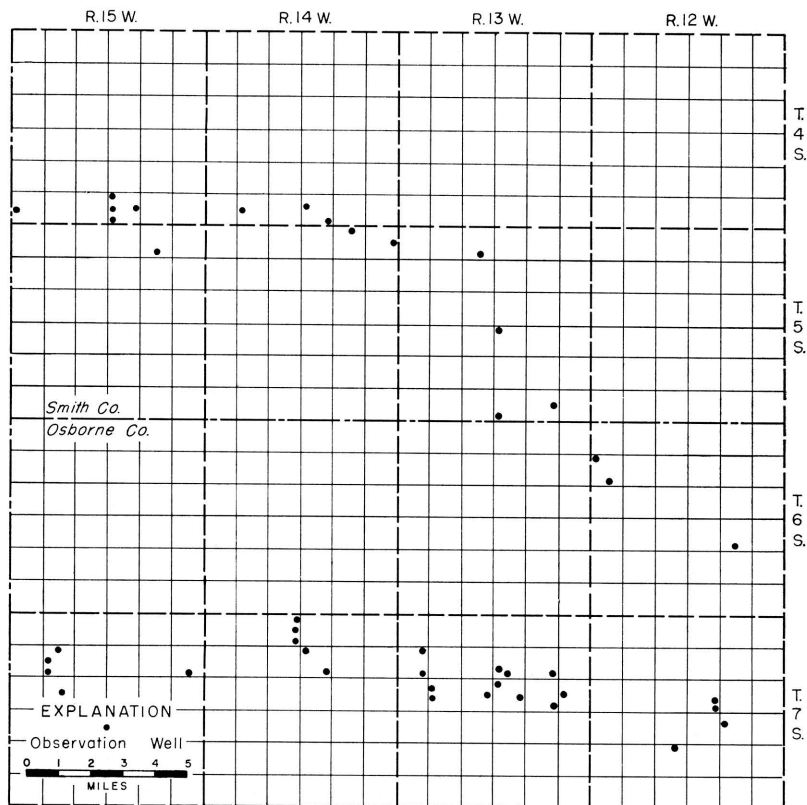


FIG. 9.—Observation wells in Smith and Osborne Counties, December 31, 1959.

TABLE 2.—Number of observation wells in Kansas at the end of 1959.

County	Missouri Basin	Arkansas Basin	Observer*
Atchison	2	..	GS
Barber	..	6	KSBA
Barton	..	9	KSBA
Bourbon	1	..	GS
Chase	..	5	GS
Cherokee	..	5	GS
Cheyenne	17	..	BR and KSBA
Clark	..	3	KSBA
Cloud	6	..	BR
Coffey	..	1	GS
Comanche	..	2	KSBA
Crawford	1	2	GS
Decatur	6	..	KSBA
Douglas	5	..	GS
Edwards	..	3	KSBA
Ellis	15	..	GS and KSBA
Ellsworth	1	..	GS
Finney	..	13	KSBA
Ford	..	5	KSBA
Gove	6	..	KSBA
Graham	5	..	KSBA
Grant	..	12	KSBA
Gray	..	4	KSBA
Greeley	2	1	KSBA
Hamilton	..	4	KSBA
Harper	..	2	A
Harvey	..	163	W
Haskell	..	11	KSBA
Hodgeman	..	3	KSBA
Jackson	2	..	GS
Jefferson	1	..	GS
Jewell	57	..	BR and GS
Kearny	..	4	KSBA
Kingman	..	2	KSBA
Kiowa	..	3	KSBA
Lane	..	4	KSBA
Leavenworth	2	..	GS
Lincoln	6	..	GS
Linn	3	..	GS
Logan	4	..	KSBA
McPherson	25	..	GS
Meade	..	9	KSBA
Mitchell	7	..	GS
Morton	..	5	KSBA
Ness	..	3	KSBA
Norton	9	..	GS and KSBA
Osborne	30	..	GS
Pawnee	..	3	KSBA
Phillips	4	..	GS
Pottawatomie	2	..	GS
Pratt	..	3	KSBA

TABLE 2.—Number of observation wells in Kansas at the end of 1959 (conc.).

County	Missouri Basin	Arkansas Basin	Observer ^a
Rawlins	5	..	KSBA
Reno	..	1	KSBA
Republic	102	..	BR
Rice	..	2	KSBA
Rooks	3	..	KSBA
Rush	..	2	KSBA
Russell	7	..	KSBA
Saline	18	..	GS
Scott	..	7	KSBA
Sedgwick	..	85	W
Seward	..	4	KSBA
Shawnee	2	..	KSBA and GS
Sheridan	3	..	KSBA
Sherman	4	..	KSBA
Smith	15	..	GS
Stafford	..	3	KSBA
Stanton	..	7	KSBA
Stevens	..	6	KSBA
Sumner	..	20	GS
Thomas	4	..	KSBA
Trego	3	..	GS and BR
Wallace	2	..	KSBA
Wichita	3	2	KSBA
Woodson	..	1	GS
Wyandotte	1	..	GS
Total	391	430	

^a GS, Federal and State Geological Surveys; KSBA, Division of Water Resources, Kansas State Board of Agriculture; BR, Bureau of Reclamation; A. C. W. Atchinson, Water Superintendent, Anthony; W, City of Wichita.

TABLE 3.—Valley areas included in the Missouri Basin program.

Unit	Valley	Counties	Number of wells being measured at end of 1959
Almena	Prairie Dog Creek	Norton and Phillips	7
Bostwick	Republican River	Jewell, Republic, and Cloud	161
Cedar Bluff	Smoky Hill River	Ellis and Trego	16
Glen Elder	Solomon River	Mitchell	7
Kanopolis	Smoky Hill River	Saline, McPherson, and Ellsworth	44
Kirwin	North Fork Solomon River	Smith, Phillips, and Osborne	22
Webster	South Fork Solomon River	Osborne	27
Wilson	Saline River	Lincoln	6
St. Francis	South Fork Republican River	Cheyenne	16
Total			306

reports. The letter (C) indicates that the well is observed as a part of the cooperative ground-water program and previous records, if any, have been published in the annual series of Water-Supply Papers.

The prefix M in the numbers of some wells in Harvey and Sedgwick Counties indicates public-supply wells of the City of Wichita. The suffix letter b designates a shallow observation well near the municipal well of the same number, and the letter d indicates a deep observation well near the same well. The observation wells are 200 to 500 feet from the pumped well, and generally where there are a shallow and a deep observation well, they are adjacent.

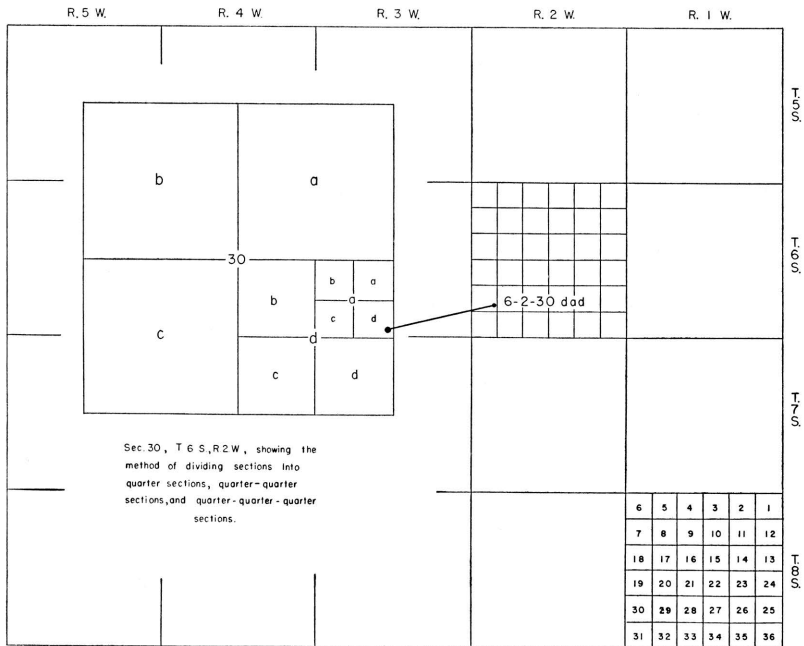


FIG. 10.—Map of Cloud County illustrating well-numbering system based on land-classification system.

PRECIPITATION

Information pertaining to precipitation was obtained from the U. S. Weather Bureau annual summary of climatological data for Kansas for 1959. Annual precipitation in the state ranged from 54.07 inches at Elgin in Chautauqua County in southeastern

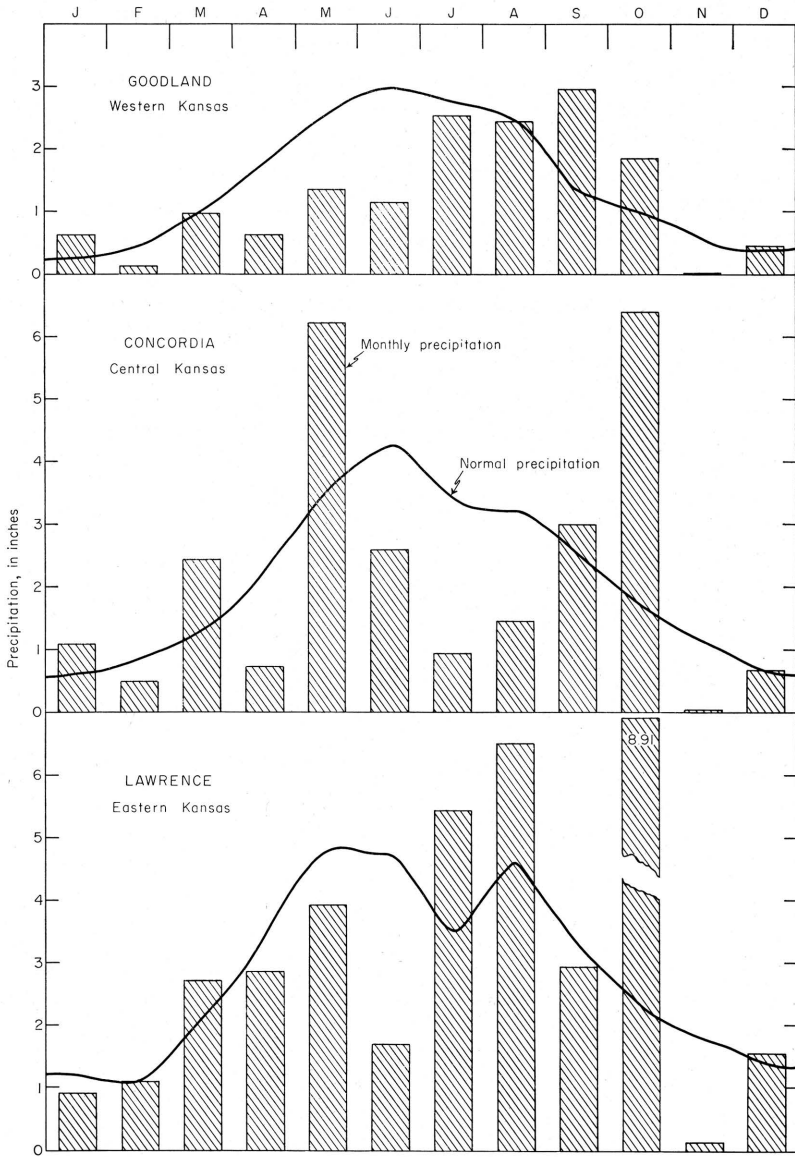


FIG. 11.—Monthly precipitation during 1959 and normal monthly precipitation at Goodland, Concordia, and Lawrence. Data from reports of U.S. Weather Bureau.

Kansas to 12.54 inches at Tribune in Greeley County in western Kansas.

The precipitation in Kansas for 1959 is summarized in Figures 11, 12, and 13. Figure 11 shows the monthly precipitation and normal precipitation at Goodland in western Kansas, at Concordia in central Kansas, and at Lawrence in eastern Kansas. The amount of precipitation in 1959 was about normal or slightly above normal (Fig. 12). In the northwest and east-central divisions of the state the precipitation in 1959 was slightly below normal, but in the other seven divisions the precipitation was above normal. The precipitation in 1959 deviated considerably from the normal distribution and there was a lack of uniformity in the state distribution (Fig. 11). In much of the state the precipitation was much above normal for October but was considerably below normal for November. At Concordia the precipitation for May was much above normal, but at Lawrence and Goodland it was below normal.

Figure 13 shows the annual precipitation and the cumulative departure from normal precipitation at Goodland, Concordia, and

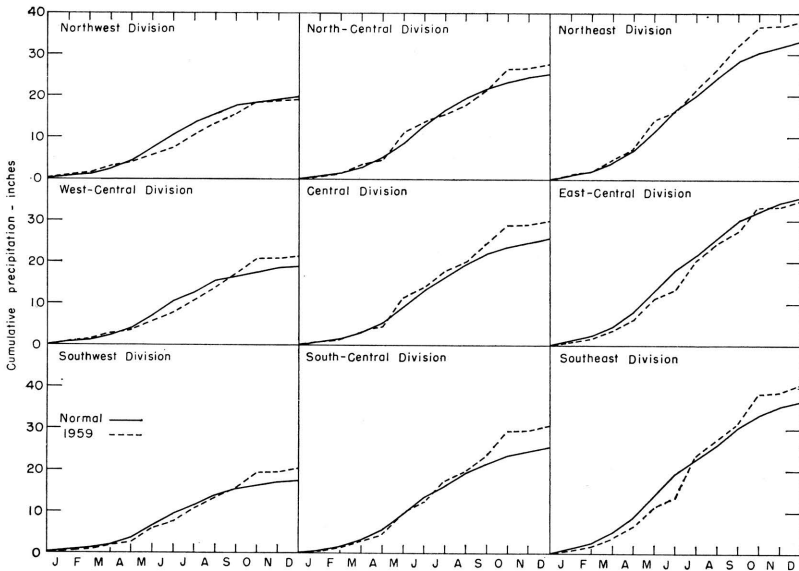


FIG. 12.—Cumulative normal precipitation and cumulative precipitation for 1959 in nine segments of Kansas. Illustration by H. L. Mackey, Division of Water Resources.

Lawrence for the 25-year period 1935 to 1959. Since 1935 the precipitation at Concordia and Lawrence has averaged slightly more than the normal amounts, which are 25.40 inches at Con-

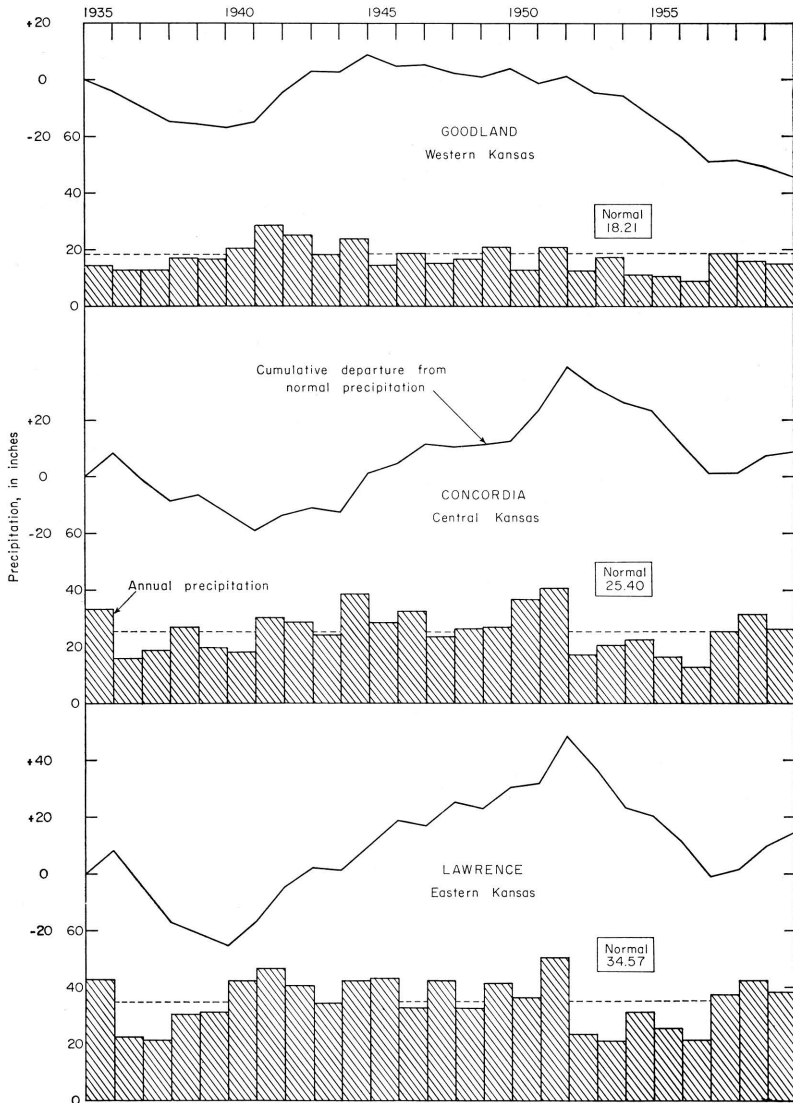


FIG. 13.—Annual precipitation and cumulative departure from normal precipitation for 25-year period 1935 through 1959 at Goodland, Concordia, and Lawrence. Data from reports of U.S. Weather Bureau.

cordia and 34.57 inches at Lawrence. At Goodland, where the normal precipitation is 18.21 inches, there has been a deficiency of about 35 inches since 1935.

CHANGES IN WATER LEVELS

The water table in Kansas is not a stationary surface, but a surface that fluctuates up and down much like the water level in a lake or reservoir. Under natural conditions, over a long period of time, there is approximate equilibrium between the amount of water that is added to ground-water storage and the amount that is discharged by natural means. In general, the water table rises when the amount of recharge exceeds the amount of discharge and declines when the discharge exceeds the recharge. Thus,

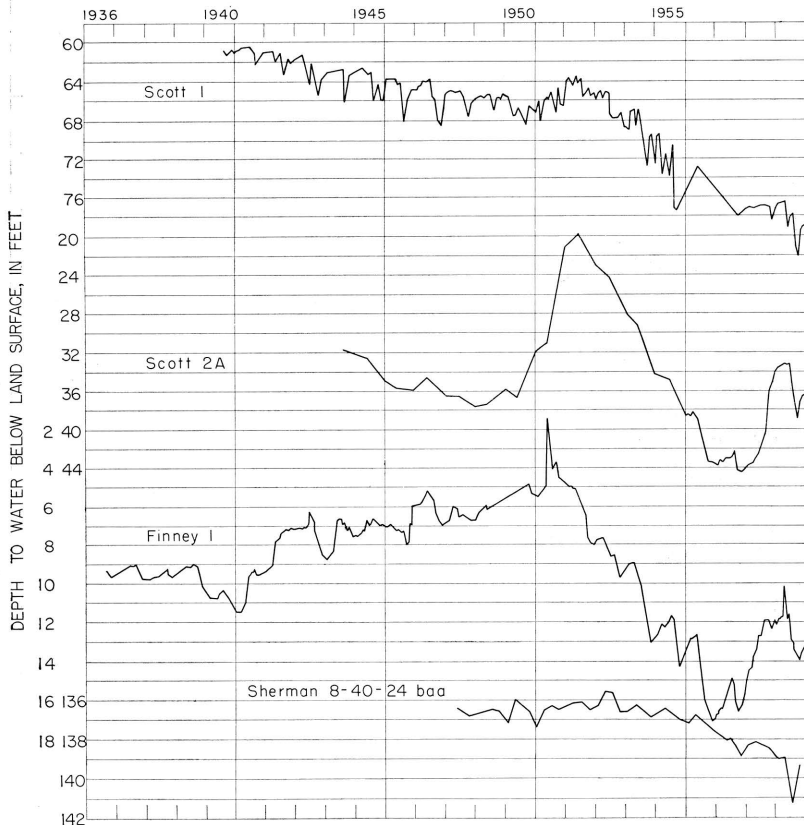


FIG. 14.—Hydrographs of four wells in Finney, Scott, and Sherman Counties.

changes in the water levels in wells indicate to what extent the ground-water reservoir is being depleted or replenished.

The relation between the amount of precipitation and the level at which the water stands in wells is complicated by several factors. During a long dry period, the soil moisture becomes depleted through evaporation and transpiration, and when a rain occurs the soil moisture must be replenished before any water can descend to the water table. During the winter, when the ground is frozen, the water falling on the surface is hindered

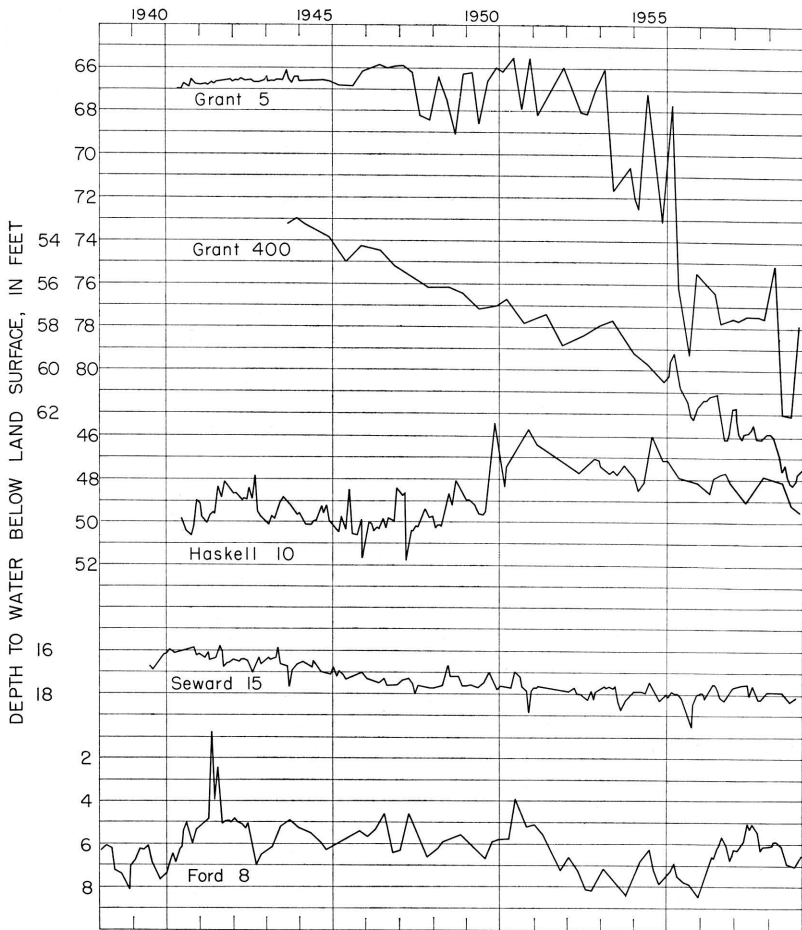


FIG. 15.—Hydrographs of five wells in Ford, Grant, Haskell, and Seward Counties.

from reaching the water table, and during the hot summer, some of the water that falls as rain is lost directly into the air by evaporation. Where the water table stands comparatively far below the surface, it fluctuates less in response to precipitation than it does where it is comparatively near the surface.

The factors causing the decline of the water table are (1) the quantity of water pumped from wells for municipal, irrigation, domestic, and stock use; (2) the quantity of water transpired directly from the water table in shallow water-table areas by plants; (3) the quantity lost from the ground-water reservoir in shallow water-table areas by evaporation; and (4) the quantity discharged as effluent seepage into streams.

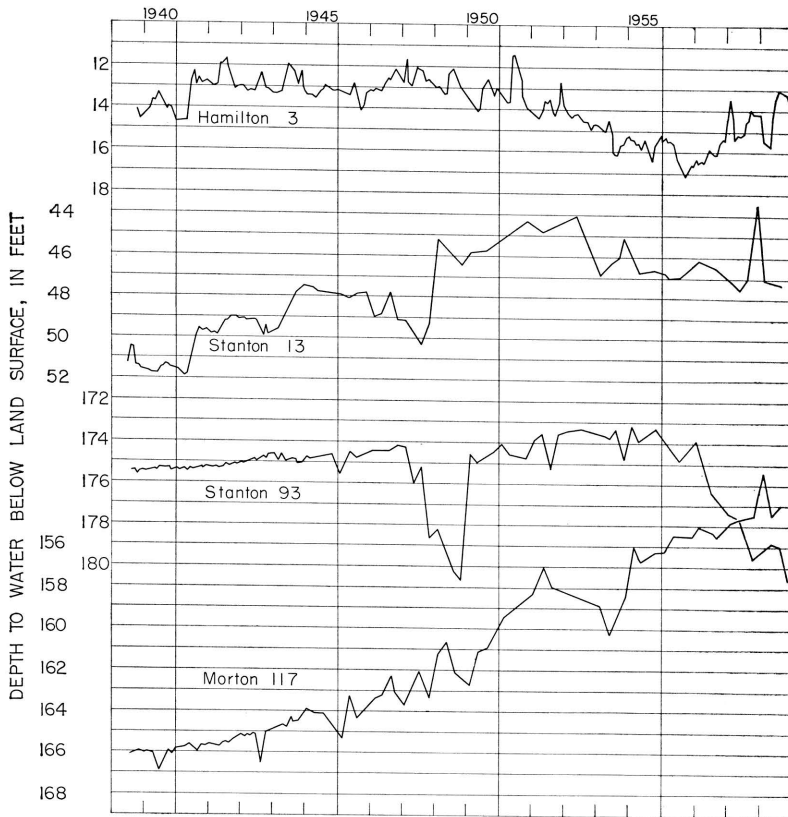


FIG. 16.—Hydrographs of four wells in Hamilton, Morton, and Stanton Counties.

Artesian wells are influenced over large areas by changes in the rate of pumping from other wells, changes in atmospheric

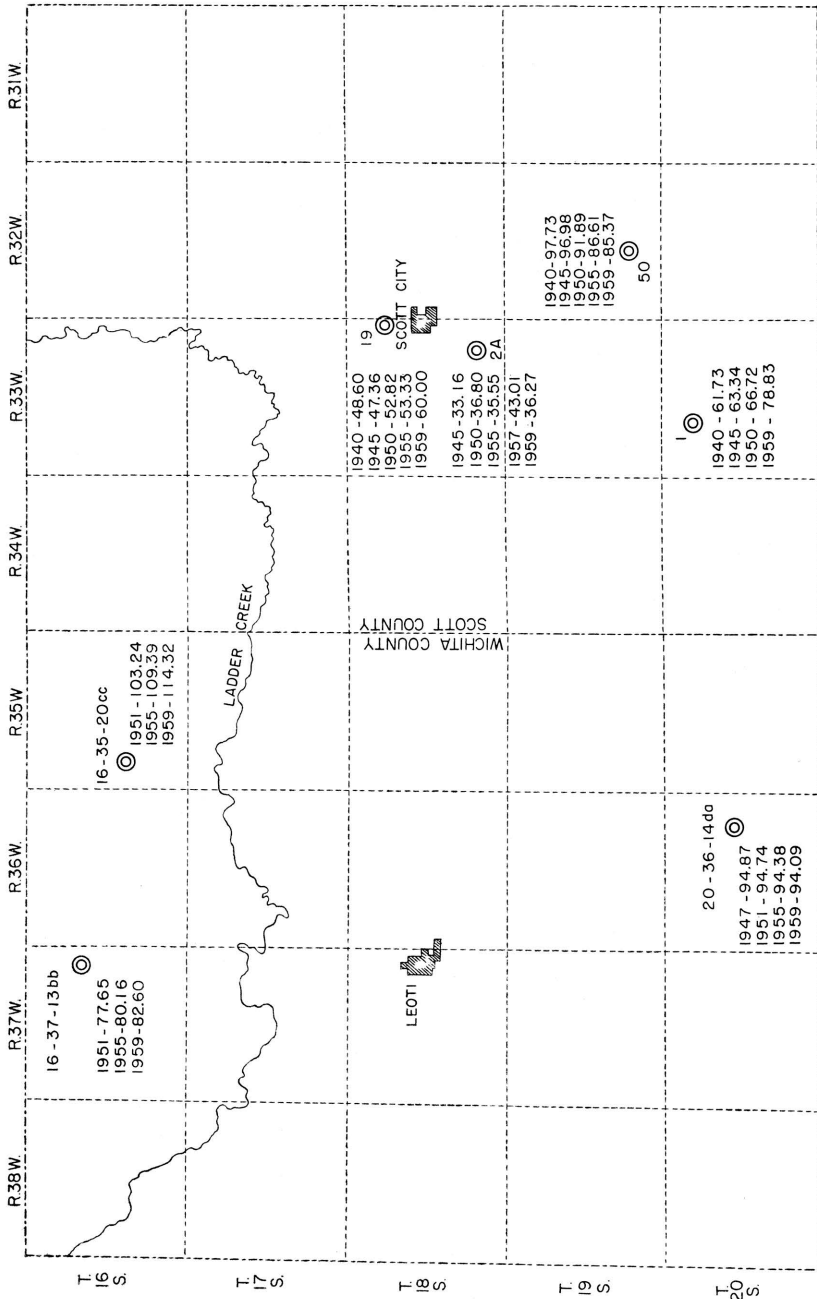


Fig. 17.—Depth to water in selected observation wells in Scott and Wichita Counties.

pressure, earthquakes, earth tides, and recharge from precipitation, although recharge may not be noticeable immediately.

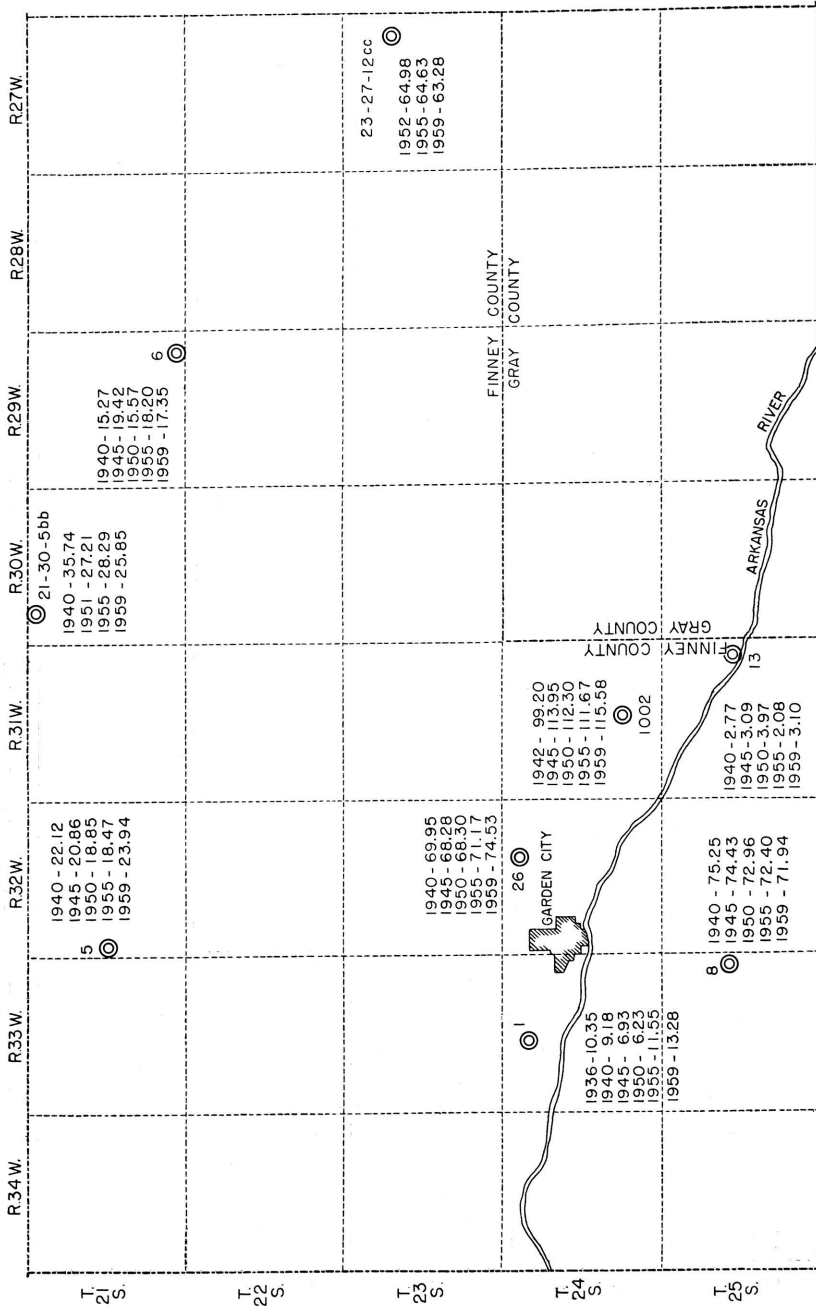


Fig. 18.—Depth to water in selected observation wells in Finney County.

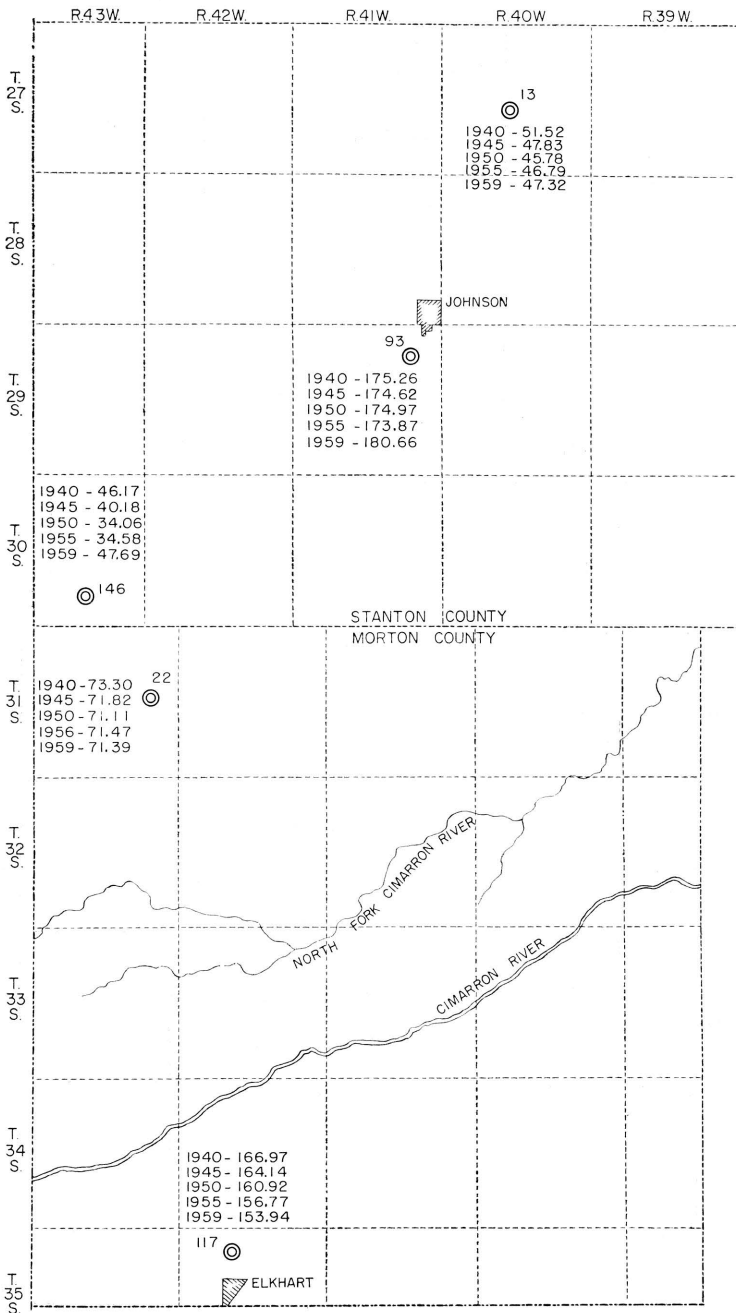


FIG. 19.—Depth to water in selected observation wells in Morton and Stanton Counties.

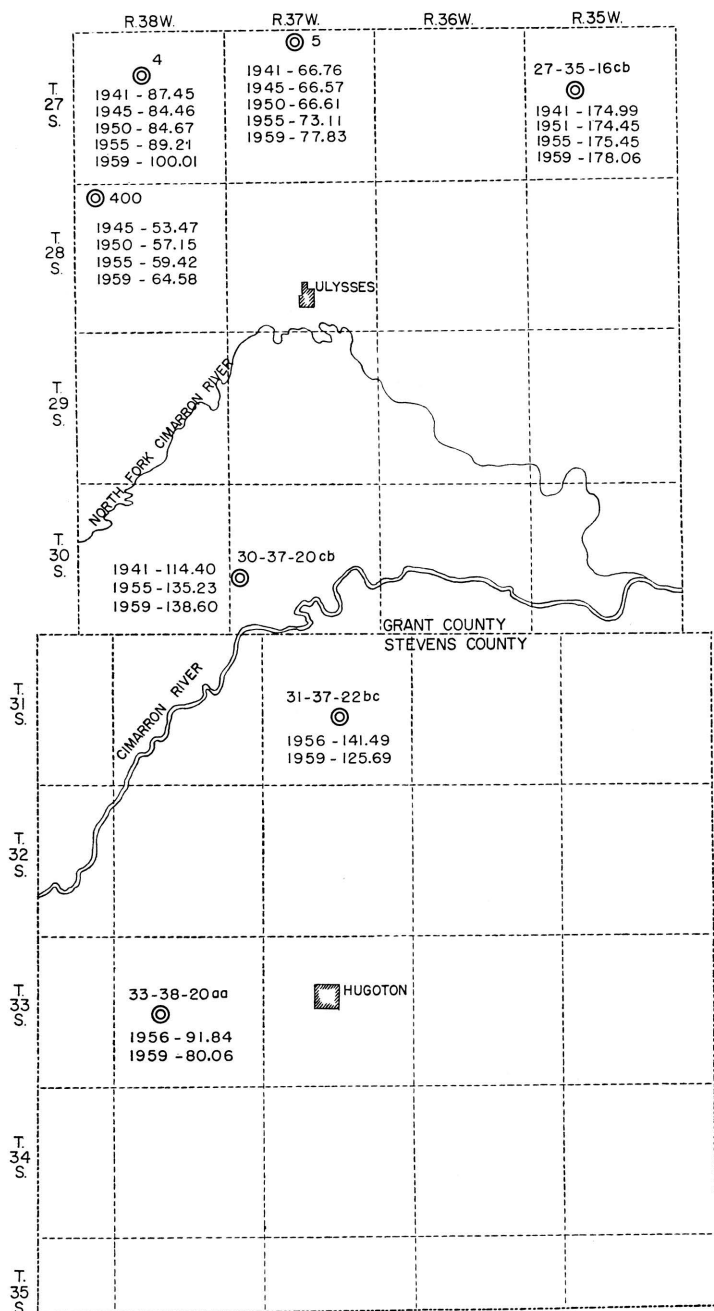


FIG. 20.—Depth to water in selected observation wells in Grant and Stevens Counties.

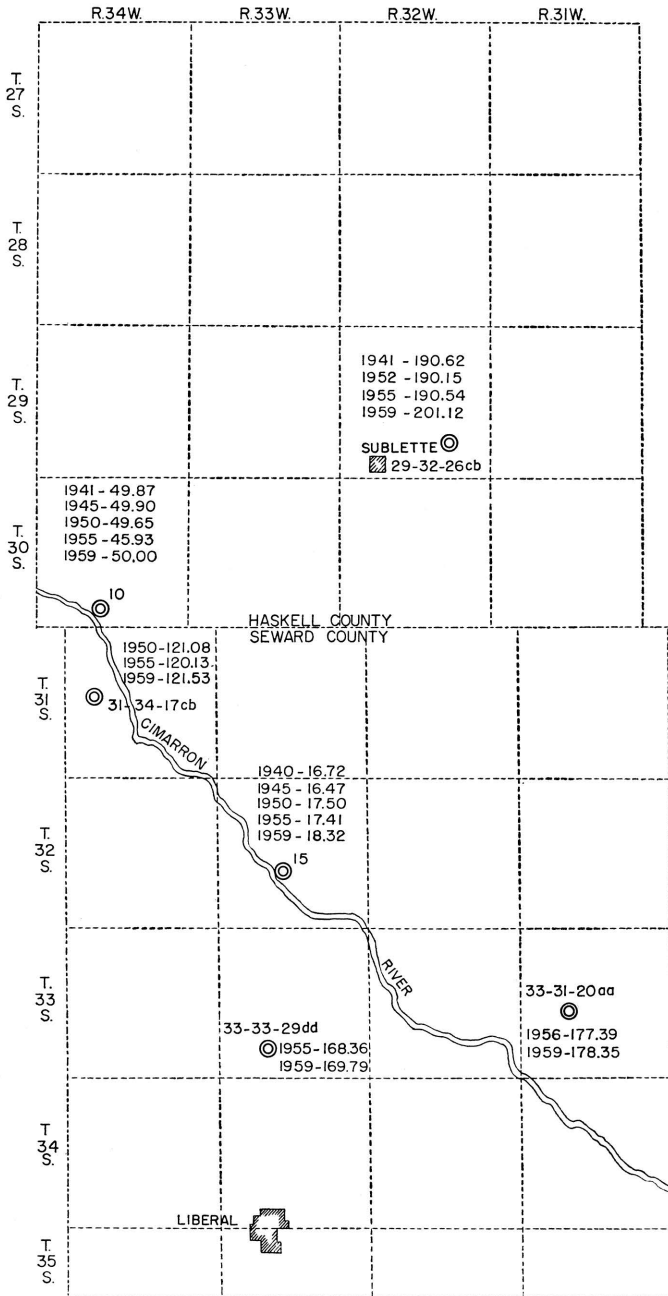


FIG. 21.—Depth to water in selected observation wells in Haskell and Seward Counties.

WESTERN KANSAS

All municipal supplies in western Kansas are obtained from ground water. Also, large quantities of water are pumped for irrigation. Average annual recharge in much of the area is low, being of the order of possibly one-fourth to one-half an inch, but most of this recharge occurs during years of heavy precipitation. The changes in water levels in western Kansas are shown by the hydrographs of 13 wells in Figures 14, 15, and 16. The changes in water levels in selected observation wells at approximately 5-year intervals are shown for 10 counties in southwestern Kansas in Figures 17 to 21, inclusive.

The water table declined in most wells in western Kansas during 1959. Part of the decline was caused by discharge of irrigation wells and part by the distribution of the precipitation. Of

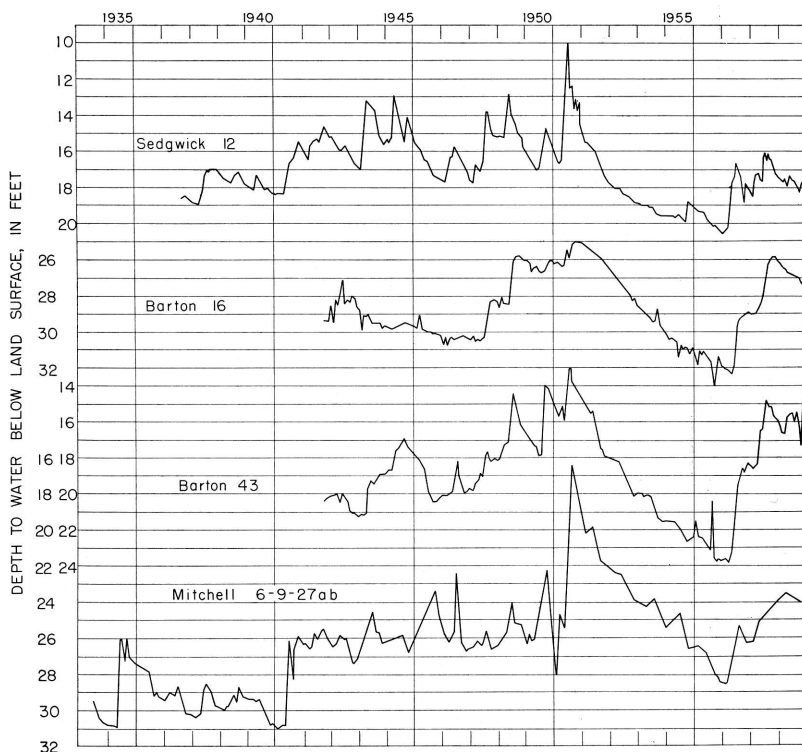


FIG. 22.—Hydrographs of four wells in Barton, Mitchell, and Sedgwick Counties.

the 13 wells for which hydrographs are given in Figures 14, 15, and 16 the water level declined in 12 wells and rose in one well. The average decline of the water level in the 12 wells was about 1.0 foot and ranged from 2.7 feet in well 2A in Scott County to 0.1 foot in well 15 in Seward County.

CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figure 22 by the hydrograph of a well in Mitchell County and by the hydrographs of three wells in south-central Kansas; two of the latter are in Barton County and one is in Sedgwick County.

The trend of the ground-water levels was downward during 1959. The water levels in the four wells for which hydrographs are shown in Figure 22 had an average net decline of about 0.6

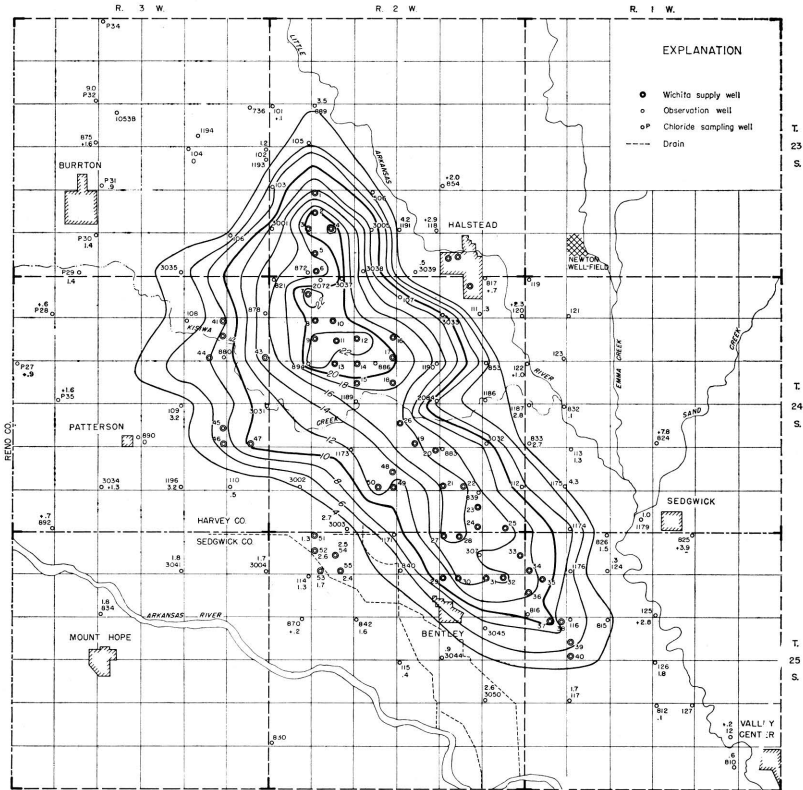


FIG. 23.—Map of Wichita well field in Equus-beds area showing lines of equal change in water level from August 30, 1940, to December 31, 1959.

foot. The water level in well 6-9-27ab in Mitchell County had a net decline of about 0.1 foot during 1959 but at the end of 1959 was about 5.0 feet higher than when measurements started in 1934. The water level in well 12 in Sedgwick County had a net decline of about 0.4 foot during 1959 and at the end of 1959 it was about 0.6 foot higher than in 1937 when measurements started.

Pumping for municipal supply in the Equus-beds area was begun in 1940 by the City of Wichita. The large decline of the water level in this area in recent years was caused by three factors; pumping by the City of Wichita, pumping of the many irrigation wells drilled in recent years, and the natural decline caused by the drought from 1952 through 1956. The resultant decline of the water level from August 30, 1940, to December 31, 1959, is shown in Figure 23. The total area affected by the municipal pumping at the end of 1959 was about 90 square miles. The water level declined more than 10 feet in an area of 37 square miles, more than 20 feet in an area of 4 square miles, and 23 feet in an area of about 0.2 square mile. The maximum decline was about 23 feet. The maximum decline at the beginning of 1959 was about 29 feet. The areal decline of the water table from 1940 through 1959 is shown graphically in Figure 24.

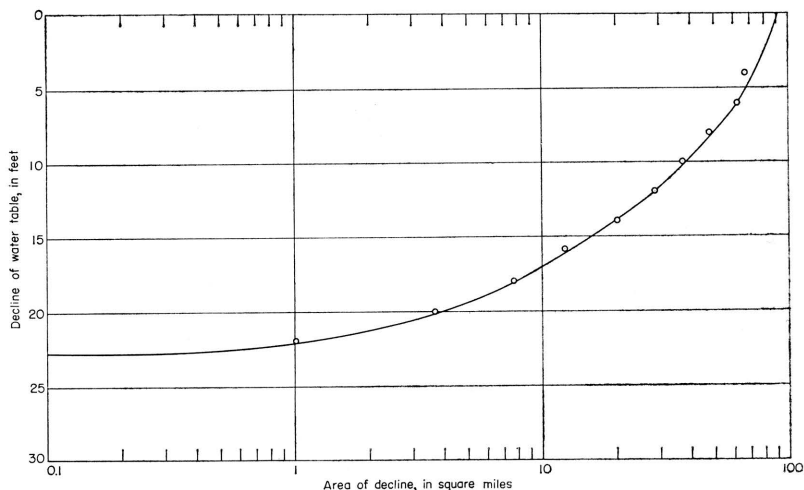


FIG. 24.—Area of decline of water table in Wichita well-field area from September 1940 to December 31, 1959.

EASTERN KANSAS

The water table in eastern Kansas was seriously affected by the drought from 1952 through 1956. Water levels were at record high stages in 1951 and then generally declined until the spring of 1957. During the drought years there were occasional periods of a few months when the water table rose a small amount. Changes in ground-water levels in eastern Kansas are shown in Figure 25 by the hydrograph of one well in Douglas County and one well in Shawnee County. The water levels began an upward trend during the spring of 1957 and continued this upward trend during 1958. The precipitation during 1959 was about normal; during 1959 the water levels declined an average of about 1.3 feet in these two wells. At the end of 1959 the water level in well 11-15-16c was about the same as when measurements were started in 1950. The water level in this well had a net decline of about 2.0 feet during 1959 but was about 5 feet higher than during the spring of 1957.

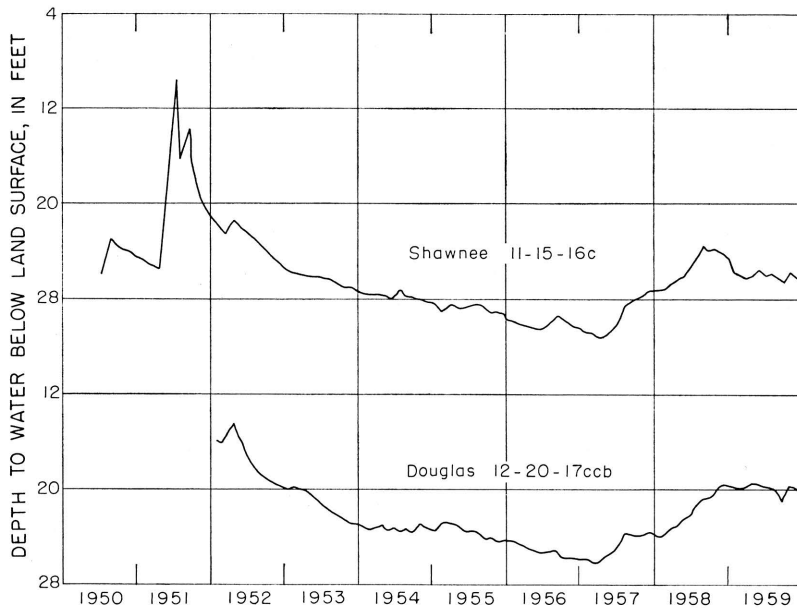


FIG. 25.—Hydrographs of two wells in Douglas and Shawnee Counties.

RECORDS OF WATER LEVELS

Measurements of depth of water in observation wells are given in Table 4, with reference to land-surface datum (lsd), a precise datum plane that is approximately at the land surface at each well. The measurements are made from a fixed measuring point a short distance above or below land-surface datum and are then adjusted so that the depths to water are given in feet below the land-surface datum.

Information for each well in Table 4 is given in accordance with the following example of well 19-7-10da in Chase County.

Well number as described on page 15 (19-7-10da); Missouri Basin well or Cooperative well (MB or C); owner (Herbert T. Drake); type of well (dug unused water-table well); geologic formation (alluvium); diameter (42 inches); depth (24 feet); casing (cribbed with rock); description of measuring point (top of concrete curbing, 1.00 foot above land-surface datum); highest water level during period of record (3.19 below land-surface datum, July 24, 1951); lowest water level during period of record (20.23 below land-surface datum, Feb. 16, 1957); period of record during which measurements have been made (1948 to 1959); measurements during 1959 (June 4, 7.68; Oct. 30, 8.22).

TABLE 4.—Records of water levels in observation wells.

ATCHISON COUNTY

5-18-3dd. (C) * Lee Savage. Dug unused water-table well in glacial deposits, diameter 36 inches, depth 10 feet, cribbed with rock. Well down gradient from a pond. Measuring point, top boards over well, 0.30 foot above lsd. Highest water level 0.39 below lsd, Sept. 27, 1951; lowest 5.22 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

6-21-32d. (C) L. A. Walker. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 13 feet, cribbed with rock. Measuring point, top boards over well at center, 0.90 foot above lsd. Highest water level 3.19 below lsd, Apr. 15, 1949; lowest dry, Oct. 27, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

* (MB) following a well number indicates that the records for these wells were collected as a part of the Missouri Basin Program of the Department of the Interior; (C) indicates that the records were collected as a part of the Kansas Cooperative Ground-water Program.

BARBER COUNTY

1. (C) D. S. Shaw. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 31 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 8 to 6 inches, depth 97 feet. Measuring point, top of well cover, 1.05 feet above lsd. Highest water level 56.40 below lsd, June 20, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-59. Jan 22, 74.45; Apr. 20, 74.57; July 22, 74.69; Oct. 20, 74.69.

4. (C) Madge Evans. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 32 S., R. 12 W. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 42 feet. Measuring point, top south side of pump base, 0.80 foot above lsd. Highest water level 12.50 below lsd, June 22, 1949; lowest 19.10 below lsd, Sept. 19, 1956. Records available: 1940-59. Jan. 22, 16.14; Apr. 20, 16.07; July 22, 16.63; Oct. 20, 16.07.

5. (C) R. Kenney. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 33 S., R. 12 W. Dug stock water-table well in alluvium, diameter 24 inches, depth 35 feet, cribbed with stone. Measuring point, top north side of curb, 1.50 feet above lsd. Highest water level 16.97 below lsd, June 24, 1957; lowest 30.15 below lsd, Sept. 24, 1941. Records available: 1940-59. Jan. 22, 19.76; Apr. 20, 19.33; July 22, 19.32; Oct. 20, 18.93.

8. (C) P. Brack. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 34 S., R. 15 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 22 feet, cribbed with brick. Measuring point, top north side of brick curb, 0.50 foot above lsd, since Jan. 1, 1957. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 21.01 below lsd, Apr. 3, 1957. Records available: 1940-59. Jan. 22, 16.64; Apr. 20, 16.69; July 22, 16.09; Oct. 20, 16.56.

9. (C) V. D. Wells. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 34 S., R. 15 W. Driven unused water-table well in alluvium, diameter 1 inch, depth 11 feet. Measuring point, top of pipe 3.50 feet above lsd. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-59. Jan. 22, 2.48; Apr. 20, 2.00; July 22, 2.90; Oct. 20, 2.33.

10. (C) G. H. Davis. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 35 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 5 inches, depth 152 feet. Measuring point, top of casing, 0.10 foot below lsd. Highest water level 102.20 below lsd, Mar. 15, 1945; lowest 107.72 below lsd, Sept. 25, 1948. Records available: 1940-59. Jan. 22, 106.10; Apr. 20, 105.85; July 22, 106.07; Oct. 20, 105.67.

BARTON COUNTY

1. (C) F. Panning. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 20 S., R. 11 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 12 feet. Measuring point, top edge of pipe, 0.40 foot above lsd. Highest water level 0.30 above lsd, June 26, 1951; lowest 6.74 below lsd, Dec. 12, 1956. Records available: 1942-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	4.42	Apr. 17	3.79	July 20	4.42	Oct. 19	3.84
Feb. 20	4.49	May 20	3.78	Aug. 19	4.73	Nov. 19	4.29
Mar. 20	4.40	June 23	4.18	Sept. 21	5.45	Dec. 17	4.61

16. (C) Teichmann. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 20 S., R. 13 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth 49 feet. Measuring point, top northwest side of casing, 1.10 feet above lsd. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 33.14 below lsd, Sept. 14, 1956. Records available: 1942-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	26.24	Apr. 17	26.70	July 20	26.89	Oct. 19	27.30
Feb. 20	26.46	May 20	26.80	Aug. 19	26.99	Nov. 20	27.47
Mar. 20	26.58	June 23	26.82	Sept. 21	27.07	Dec. 17	27.63

43. (C) M. Hagen. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 20 S., R. 11 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth 46 feet. Measuring point, top west edge of casing, 0.50 foot above lsd. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 33.98 below lsd, Nov. 19, 1952. Records available: 1942-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	16.20	Apr. 17	15.70	July 20	16.04	Oct. 19	17.30
Feb. 20	16.61	May 20	15.56	Aug. 19	15.49	Nov. 19	14.35
Mar. 20	16.63	June 23	15.55	Sept. 21	16.37	Dec. 17	16.70

100. (C) Unruh. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 20 S., R. 15 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 76 feet. Measuring point, top east edge of casing, 0.70 foot above lsd. Highest water level 27.05 below lsd, June 23, 1949; lowest 35.47 below lsd, Sept. 18, 1956. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	33.20	Apr. 17	32.57	July 20	32.69	Oct. 19	32.74
Feb. 20	32.55	May 20	31.98	Aug. 19	32.78	Nov. 19	32.60
Mar. 20	32.55	June 23	32.96	Sept. 21	32.90	Dec. 17	32.78

103. (C) F. Konarek. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 17 S., R. 12 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth 25 feet. Measuring point, top east edge of casing, 0.40 foot above lsd. Highest water level 0.25 below lsd, Aug. 29, 1950; lowest 8.28 below lsd, Feb. 18, 1957. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	3.31	Apr. 17	3.49	July 20	4.28	Nov. 19	2.91
Feb. 20	2.95	May 20	3.22	Aug. 19	4.67	Dec. 17	3.41
Mar. 20	3.08	June 23	4.03	Oct. 19	2.22		

107. (C) Carter Oil Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 17 S., R. 11 W. Drilled unused water-table well in Dakota Formation, diameter 6 inches, depth 168 feet. Measuring point, top west edge of casing, 0.20 foot above lsd. Highest water level 95.67 below lsd, May 21, 1952; lowest 102.80 below lsd, Nov. 20, 1956. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	97.88	Apr. 17	98.06	Aug. 19	102.09	Nov. 19	98.87
Feb. 20	98.69	May 20	100.65	Oct. 19	102.71	Dec. 17	97.78
Mar. 20	98.17						

109. (C) J. C. Cook. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 18 S., R. 15 W. Drilled unused water-table well in alluvium, depth 46 feet. Measuring point, top of well cover (center) between two 2 x 6 boards, 1.70 feet above lsd. Highest water level 1.49 below lsd, July 11, 1951; lowest dry, Sept. 18, Oct. 22, 1956. Records available: 1944-59.

Jan. 20	7.63	Apr. 17	7.41	July 20	8.22	Oct. 19	2.90
Feb. 20	8.01	May 20	8.10	Aug. 19	10.68	Nov. 19	4.85
Mar. 20	8.17	June 23	8.21	Sept. 21	10.75	Dec. 17	6.01

110. (C) Prudential Life Insurance Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 17 S., R. 14 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 48 feet. Measuring point, top southwest side of casing below pump base, 0.30 foot above lsd. Highest water level 8.69 below lsd, July 22, 1958; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-59.

Jan. 20	11.86	Apr. 17	12.00	July 20	13.93	Oct. 19	12.68
Feb. 20	11.86	May 20	12.33	Aug. 19	15.11	Nov. 19	12.80
Mar. 20	11.71	June 23	13.06	Sept. 2	15.92	Dec. 17	12.96

131. (C) F. W. Gagleman. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 19 S., R. 15 W. Drilled unused water-table well in alluvium, diameter 5 inches, depth 25 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 7.84 below lsd, Oct. 23, 1951; lowest 17.48 below lsd, Feb. 19, 1957. Records available: 1944-59.

Jan. 20	10.39	Apr. 17	10.74	July 20	11.32	Oct. 19	12.60
Feb. 20	10.58	May 20	10.63	Aug. 19	11.76	Nov. 19	12.69
Mar. 20	10.58	June 23	11.04	Sept. 21	13.37	Dec. 17	13.89

BOURBON COUNTY

25-23-27bbb. (C) Harold Comstock. Dug unused water-table well in Bandera Shale, diameter 5 feet, depth 11 feet. Measuring point, top north side of round hole in slab rock, 1.90 feet above lsd. Highest water level 1.53 below lsd, Sept. 28, 1951; lowest 7.04 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. No measurement made in 1959.

CHASE COUNTY

18-9-29cc (C) Peak & Hatcher Co. Drilled domestic well in Bader Limestone and Easley Creek Shale, diameter 8 inches, depth 34 feet. Measuring point, top of casing, 0.30 foot above lsd. Highest water level 17.57 below lsd, July 24, 1951; lowest 25.74 below lsd, Mar. 8, 1955. Records available: 1947-59. June 4, 18.81.

19-7-10da. (C) Herbert T. Drake. Dug unused water-table well in alluvium, diameter 42 inches, depth 24 feet, cribbed with rock. Measuring point, top of concrete curbing, 1.00 foot above lsd. Highest water level 3.19 below lsd, July 24, 1951; lowest 20.23 below lsd, Feb. 16, 1957. Records available: 1948-59. June 4, 7.68; Oct. 30, 8.22.

20-6-31bd. (C) B. S. Thompson. Drilled unused water-table well in Wreford Limestone, diameter 6 inches, depth 43 feet. Measuring point, top of iron casing, 0.70 foot above lsd. Highest water level 14.20 below lsd, July 24, 1951; lowest 32.95 below lsd, Feb. 16, 1957. Records available: 1947-59. June 4, 20.32; Oct. 30, 21.31.

20-7-13cb. (C) Geo. W. Starkey. Dug domestic water-table well in Fort Riley and Florence Limestone members of Barneston Limestone, diameter 4 feet, depth 56 feet, cribbed with rock. Measuring point, top of concrete cover under pump, 0.60 foot above lsd. Highest water level 8.87 below lsd, Sept. 5, 1950; lowest 52.39 below lsd, July 6, 1953. Records available: 1947-59. June 4, 10.04.

20-8-2bd. (C) W. S. Martin. Drilled unused water-table well in alluvium, diameter 5 inches, depth 21 feet. Measuring point, top of board under pump, 0.40 foot above lsd. Highest water level 2.32 below lsd, July 24, 1951; lowest 18.21 below lsd, Feb. 16, 1957. Records available: 1947-59. June 4, 5.74.

20-8-16aa. (C) Gerald Brough. Drilled domestic well in Cottonwood Limestone member of Beattie Limestone, diameter 7 inches, depth 33 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 3.28 below lsd, July 24, 1951; lowest 25.04 below lsd, Feb. 10, 1954. Records available: 1947-58. Measurement discontinued.

CHEROKEE COUNTY

1. (C) W. L. Stiles. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket Sandstone (Cherokee Group), diameter 6 feet, depth 27 feet, cribbed with rock. Measuring point, top of opening in well curb, 0.80 foot above lsd. Highest water level 4.90 below lsd, June 5, 1957; lowest 19.07 below lsd, Nov. 30, 1956. Records available: 1942-45, 1948, 1950-58. No measurement made in 1959.

32-25-6dad. (C) John P. Matter. Dug well in Dry Wood and Rowe Formations (Cherokee Group), diameter 5 feet, depth 25 feet, cribbed with rock. Measuring point, top of concrete slab in wood box, 0.50 foot above lsd. Highest water level 7.61 below lsd, Feb. 28, 1952; lowest 19.45 below lsd, Aug. 3, 1954. Records available: 1951-58. No measurement made in 1959.

3. (C) Fleming Mine #3. SW $\frac{1}{4}$ sec. 19, T. 32 S., R. 24 E. Drilled unused artesian well in Roubidoux Dolomite, diameter 8 inches, depth 850 feet. Measuring point, crack in 4-inch coupling, 2.35 feet above lsd. Highest water level 196.53 below lsd, July 23, 1943; lowest 211.67 below lsd, Oct. 1, 1958. Records available: 1943, 1950-58. No measurement made in 1959.

31-25-19dd. (C) Sam Ross. Drilled domestic artesian well in Mississippian limestone, diameter 8 inches, depth 315 feet. Measuring point, top of casing, 1.10 feet above lsd. Highest water level 190.12 below lsd, June 13, 1952; lowest 200.25 below lsd, Sept. 2, 1958. Records available: 1951-58. No measurement made in 1959.

34-24-36bd. (C) City of Baxter Springs. Drilled municipal artesian well in Roubidoux Dolomite, diameter 16 inches, depth 1,094 feet. Measuring point, top of casing, 1.80 feet above lsd. Highest water level 368.25 below lsd, Nov. 5, 1956; lowest 394.25 below lsd, July 11, 1956. Records available: 1956-58. No measurement made in 1959.

CHEYENNE COUNTY

1-38-2cd. (MB) Paul O'Brien. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 42 feet. Measuring point, top of hole in turbine base, 1.00 foot above lsd. Highest water level 21.37 below lsd, May 6, 1952; lowest 24.52 below lsd, Aug. 21, 1956. Records available: 1948-59. Feb. 16, 22.49.

1-38-8dcc. (Given as 1-38-8ddb in previous reports.) (MB) H. O. Haines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 34 feet. Measuring point, hole in inside of turbine base, 1.00 foot above lsd. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 15.15 below lsd, May 12, 1959. Records available: 1946-59. Feb. 16, 12.36; May 12, 15.15.

2-39-10bba. (MB) A. L. Pugh. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 39 feet. Measuring point, edge of casing, 0.50 foot above lsd. Highest water level 24.95 below lsd, May 6, 1952; lowest dry, Feb. 5, 1957; May 12, 1959. Records available: 1947-54, 1956-59. May 12, dry.

2-39-19ccc. (MB) A. C. Keller. Drilled unused water-table well in alluvium, diameter 4 inches, depth 23 feet. Measuring point, edge of casing, at land surface. Highest water level 13.68 below lsd, May 26, 1955; lowest dry, Aug. 6, 1959. Records available: 1948-50, 1952-59. Feb. 16, 15.70; May 12, 16.10; Aug. 6, dry.

2-39-27bbb. (MB) G. W. Best. Drilled unused water-table well in alluvium, diameter 8 inches, depth 29 feet. Measuring point, top of board platform, 1.33 feet above lsd. Highest water level 14.99 below lsd, June 25, 1953; lowest 19.52 below lsd, Feb. 20, 1956. Records available: 1946-59. Feb. 16, 16.72; May 12, 17.31; Aug. 6, 17.91.

3-40-9baa. (MB) P. G. Walter. Bored stock water-table well in Ogallala Formation, diameter 5 inches. Measuring point, top of wooden platform, at land surface. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1946-59. Feb. 16, 20.56; May 12, 20.55; Aug. 6, 20.98.

3-40-22aba. (MB) T. Holleman and others. Drilled unused water-table well in alluvium, diameter 5 inches, depth 19 feet. Measuring point, top of cement slab, 0.25 foot above lsd. Highest water level 10.02 below lsd, July 29, 1947; lowest 18.25 below lsd, Nov. 28, 1955. Records available: 1946-59. May 12, 11.84; Aug. 6, 14.01.

3-40-28cbb. (MB) D. Danielson. Drilled unused water-table well in alluvium, diameter 5 inches, depth 26 feet. Measuring point, top of casing, 1.64 feet above lsd, since Feb. 5, 1957. Highest water level 9.44 below lsd, May 8, 1957; lowest 12.75 below lsd, Aug. 16, 1946. Records available: 1946-59. Feb. 16, 10.21.

3-42-21bcc. (MB) Andrew Rueb. Drilled stock water-table well in Ogallala

Formation, diameter 5 inches, depth 220 feet. Measuring point, hole in base of pump, 0.80 foot above lsd. Highest water level 201.45 below lsd, Dec. 23, 1953; lowest 203.01 below lsd, Aug. 6, 1959. Records available: 1953-59. Feb. 16, 202.40; May 12, 202.45; Aug. 6, 203.01.

3-42-22dad. (MB) F. F. Blair. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 162 feet. Measuring point, edge of 5-inch casing, 1.30 feet above lsd. Highest water level 137.85 below lsd, May 25, 1955; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-59. Feb. 16, 138.49; May 12, 138.60; Aug. 6, 138.61.

3-42-26cad. (MB) Henry Richers. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 196 feet. Measuring point, edge of 6-inch casing, 0.80 foot above lsd. Highest water level 175.70 below lsd, Aug. 30, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-59. May 12, 176.60.

3-42-28dda. (MB) Clarence Raile. Drilled domestic and stock water-table well in Ogallala Formation, diameter 5 inches, depth 159 feet. Measuring point, hole in base of pump, 0.30 foot above lsd. Highest water level 146.10 below lsd, Aug. 21, 1956; lowest 152.40 below lsd, Aug. 6, 1959. Records available: 1953-59. Feb. 16, 152.02; Aug. 6, 152.40.

4-41-32ddb. (MB) Simon E. Matson. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 121 feet. Measuring point, top of casing, at land surface. Highest water level 102.75 below lsd, Aug. 12, 1958; lowest 115.35 below lsd, Nov. 28, 1955. Records available: 1946-47, 1949-59. Feb. 16, 102.78; May 12, 105.55; Aug. 6, 106.00.

4-42-2ccc. (MB) Henry Lampe. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 190 feet. Measuring point, edge of 5-inch casing, 0.70 foot above lsd. Highest water level 176.66 below lsd, Sept. 2, 1953; lowest 179.26 below lsd, May 22, 1956. Records available: 1953-59. Feb. 16, 177.59; May 12, 178.04; Aug. 6, 178.18.

4-42-5aaa. (MB) W. E. Klie. Drilled domestic and stock water-table well in Ogallala Formation, diameter 5 inches, depth 223 feet. Measuring point, top of concrete curb, 1.20 feet above lsd. Highest water level 190.90 below lsd, Sept. 2, 1953; lowest 192.62 below lsd, Aug. 12, 1958. Records available: 1953-59. Feb. 16, 192.01.

4-42-26bcb. (MB) Pete O'Brien. Drilled irrigation water-table well in Ogallala Formation, diameter 24 inches, depth 56 feet. Measuring point, edge of steel casing, 0.50 foot above lsd. Highest water level 20.90 below lsd, May 28, 1957; lowest 22.70 below lsd, May 25, 1955. Records available: 1954-59. Feb. 16, 21.33; May 12, 20.98.

5-38-13cbd. (C) E. E. Retzer. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 91 feet. Measuring point, top west side of casing, 0.40 foot above lsd. Highest water level 55.54 below lsd, Oct. 16, 1958; lowest 57.08 below lsd, Nov. 27, 1956. Records available: 1954-59. Apr. 14, 56.07; July 14, 56.09; Oct. 12, 56.80.

CLARK COUNTY

6. (C) District school. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 35 S., R. 21 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 36 feet. Measuring

point top south side of casing, at land surface. Highest water level 26.28 below lsd, June 19, 1951; lowest 28.06 below lsd, July 23, 1958. Records available: 1940-43, 1950-59. Jan. 21, 26.89; Apr. 20, 26.93; Oct. 20, 27.11.

10. (C) J. F. Folks Estate. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 32 S., R. 23 W. Drilled stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 21 feet. Measuring point, top south side of casing, 1.50 feet above lsd. Highest water level 12.82 below lsd, Jan. 21, 1959; lowest 17.63 below lsd, Sept. 27, 1946. Records available: 1940-47, 1954-59. Jan. 21, 12.82; Apr. 20, 15.26; July 21, 15.46; Oct. 20, 15.88.

30-23-6aa. (C) E. F. Houff. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 156 feet. Measuring point, top south side of casing, 0.70 foot above lsd. Highest water level 140.33 below lsd, June 19, 1956; lowest 143.31 below lsd, Mar. 8, 1954. Records available: 1939, 1953-59. Jan. 21, 141.09; Apr. 20, 142.70; July 21, 140.87.

CLOUD COUNTY

5-3-19bb. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 39 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.40 below lsd, Aug. 1, 1951; lowest 22.43 below lsd, Mar. 20, 1957. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level
**Jan. 29, 1957	22.30	June 11, 1957	21.40	May 13, 1959	20.15
Feb. 19	22.18	July 30	18.80	July 21	20.15
Mar. 20	22.43	Feb. 25, 1959	21.00	Sept. 30	21.80
Apr. 23	22.32				

5-3-20aa. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 26 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.80 below lsd, July 2, 1951; lowest 17.42 below lsd, Jan. 19, 1957.** Records available: 1950-58. No measurement made in 1959.

5-3-20dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter 3/4 inch, depth 15 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.36 below lsd, July 27, 1950; lowest 11.86 below lsd, Feb. 19, 1957. Records available: 1950-59.

**Jan. 19, 1957	12.02	June 11, 1957	10.65	Mar. 13, 1959	9.30
Feb. 19	11.86	July 30	8.69	July 21	10.10
Mar. 20	11.85	Feb. 25, 1959	9.50	Sept. 30	11.05
Apr. 23	10.97				

5-3-23cb. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.90 below lsd, June 13, 1951; lowest 9.22 below lsd, Feb. 2, 1954. Records available: 1950-56, 1958. No measurement made in 1959.

** —1957 measurements erroneously omitted in Bulletin 131.

5-3-24cb. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 1.40 below lsd, Dec. 4, 1951; lowest 7.29 below lsd, Jan. 12, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level
**Mar. 20, 1957	6.17	Feb. 25, 1959	5.00	July 21, 1959	4.05
Apr. 23	6.12	May 13	4.50	Sept. 30	4.80

5-3-29dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 4.60 below lsd, July 2, 1951; lowest dry, Sept. 22, 1955. Records available: 1950-57. Measurement discontinued.

5-4-8dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 42 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 10.30 below lsd, Aug. 1, 1951; lowest 17.62 below lsd, July 18, 1956. Records available: 1950-57. Measurement discontinued.

5-4-11dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.10 below lsd, Aug. 1, 1951; lowest 22.17 below lsd, Apr. 23, 1957. Records available: 1950-59.

**Jan. 19, 1957	21.40	June 11, 1957	21.39	May 13, 1959	19.00
Feb. 19	22.01	July 30	20.00	July 21	20.25
Mar. 20	21.98	Feb. 25, 1959	19.70	Sept. 30	21.40
Apr. 23	22.17				

5-4-14bc. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.90 below lsd, Aug. 1, 1951; lowest 8.91 below lsd, Sept. 22, 1955. Records available: 1950-57. Measurement discontinued.

5-14-15aa. (MB) Owner unknown. Drilled unused water-table well in alluvium, diameter 24 inches, depth 20 feet. Measuring point, top of casing, at land surface. Highest water level 7.40 below lsd, July 3, 1951; lowest 14.25 below lsd, Feb. 19, 1957. Records available: 1950-57. Measurement discontinued.

COFFEY COUNTY

20-15-34dcb. (C) G. Skillman. Dug unused water-table well in Kanwaka Shale, diameter 30 inches, depth 40 feet, cribbed with rock. Measuring point, top south side of hole in concrete platform, 0.60 foot above lsd. Highest water level 1.71 below lsd, Mar. 1, 1949; lowest 19.41 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. No measurement made in 1959.

COMANCHE COUNTY

1. (C) A. A. Carpenter. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 33 S., R. 20 W. Drilled unused water-table well in deposits of Permian age, diameter 6 inches, depth

**—1957 measurements erroneously omitted in Bulletin 131.

43 feet. Measuring point, top of concrete pump base, 1.00 foot above lsd. Highest water level 35.30 below lsd, Sept. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-59. Jan. 21, 36.86; Apr. 20, 36.90; July 21, 37.20; Oct. 20, 37.24.

3. (C) E. Deewall. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 31 S., R. 18 W. Drilled stock well in Ogallala Formation, diameter 6 inches, depth 97 feet. Measuring point, top north side of casing below pump base, 1.40 feet above lsd. Highest water level 74.48 below lsd, Aug. 31, 1953; lowest 94.07 below lsd, June 8, 1945. Records available: 1940-47, 1953, 1955-59. Apr. 20, 76.57; July 21, 77.19; Oct. 20, 76.19.

CRAWFORD COUNTY

28-22-20cc. (C) City of Walnut. Drilled artesian municipal well in Cotter Dolomite, diameter 7 inches, depth 1,015 feet. Measuring point, top of casing, 8.00 feet above lsd. Highest water level 188.00 below lsd, Feb. 5, 1957; lowest 206.00 below lsd, Nov. 5, 30, 1956. Records available: 1956-58. No measurement made in 1959.

29-25-5cd. (C) City of Arma. Drilled artesian municipal well in Roubidoux Dolomite, diameter 13 $\frac{5}{8}$ inches, depth 1,175 feet. Measuring point, top of casing, at land surface. Highest water level 310.13 below lsd, Aug. 31, 1956; lowest 313.25 below lsd, Jan. 7, 1958. Records available: 1956-58. No measurement made in 1959.

30-23-24dc. (C) Al Williams. Drilled artesian domestic well in Mississippian limestone, diameter 6 inches, depth 707 feet. Measuring point, top of gas vent, 1.50 feet above lsd. Highest water level 218.00 below lsd, Dec. 1951; lowest 246.47 below lsd, July 1, 1958. Records available: 1951, 1957-58. No measurement made in 1959.

DECATUR COUNTY

1-26-18dd. (C) Wyatt Wiggins. Drilled stock well in alluvium, diameter 5 inches, depth 59 feet. Measuring point, hole in southeast part of casing cap, 0.50 foot above lsd. Highest water level 29.29 below lsd, May 12, 1959; lowest 30.73 below lsd, Oct. 13, 1959. Records available: 1959. May 12, 29.29; July 14, 29.31; Oct. 13, 30.73.

1-29-19bdd. (C) Byron McCartney. Drilled irrigation well in alluvium, diameter 18 inches, depth 54 feet. Measuring point, hole in north side of pump head base, 0.70 foot above lsd. Highest water level 12.09 below lsd, May 13, 1959; lowest 27.70 below lsd, July 15, 1959. Records available: 1959. May 13, 12.09; July 15, 27.70; Oct. 13, 15.05.

2-29-24bc. (C) Owner unknown. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 126 feet. Measuring point, top east side of casing, 0.50 foot above lsd. Highest water level 98.28 below lsd, Apr. 15, 1959; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-59. Jan. 16, 98.44; Apr. 15, 98.28; July 15, 98.50; Oct. 13, 98.80.

3-26-5cc. (C) John Hicks. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 147 feet. Measuring point, top of casing, 1.10 feet above lsd. Highest water level 141.02 below lsd, Aug. 22, 1952; lowest 143.10 below lsd, Feb. 8, 1954. Records available: 1952-59. Jan. 16, 141.36; Apr. 15, 141.41; July 15, 142.00; Oct. 13, 141.54.

3-29-12bb. (C) Warren White. Drilled irrigation well in alluvium, diameter 18 inches, depth 62 feet. Measuring point, top of casing under hole in southwest corner of pump head base, 0.50 foot above lsd. Highest water level 23.19 below lsd, May 12, 1959; lowest 26.71 below lsd, July 15, 1959. Records available: 1959. May 12, 23.19; July 15, 26.71; Oct. 13, 26.25.

4-26-8ddd. (C) Reo Harris. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 70 feet. Measuring point, hole in southwest corner of pump head base, 1.25 feet above lsd. Highest water level 29.39 below lsd, May 12, 1959; lowest 31.16 below lsd, Oct. 13, 1959. Records available: 1959. May 12, 29.39; July 15, 29.69; Oct. 13, 31.16.

DOUGLAS COUNTY

12-20-17ccb. (C) Frank D. Walter. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 53 feet. Measuring point, east side of hole in top of box, 3.00 feet above lsd. Highest water level 14.47 below lsd, Apr. 29, 1952; lowest 26.33 below lsd, Mar. 30, 1957. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	19.86	Apr. 23	19.38	July 26	20.09	Oct. 26	19.63
Feb. 23	19.74	May 26	19.48	Aug. 25	20.55	Nov. 25	19.75
Mar. 24	19.72	June 26	19.78	Sept. 28	21.10	Dec. 28	20.10

12-20-29bba. (C) V. C. Fishel. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 29 feet. Measuring point, inside edge at top of pipe, 0.60 foot above lsd. Highest water level 14.63 below lsd, May 26, 1959; lowest 20.84 below lsd, May 27, 1957. Records available: 1957-59. May 6, 14.80; May 26, 14.63; July 30, 14.98.

13-19-21bb. (C) C. E. Banning. Drilled domestic and stock artesian well in Tonganoxie Sandstone member of Stranger Formation, diameter 6 inches, depth 96 feet. Measuring point, top of casing cover plate, 3.10 feet below lsd. Highest water level 23.48 below lsd, May 20, 1952; lowest 41.99 below lsd, Jan. 5, 1957. Records available: 1952-59.

Mar. 24	32.54	June 26	37.42	Oct. 26	35.19	Nov. 25	33.57
May 26	32.84						

13-20-30ad. (C) Fairplain School. Drilled unused observation well in Tonganoxie Sandstone member of Stranger Formation, diameter 6 inches, depth 94 feet. Measuring point, top of casing, 0.30 foot above lsd. Highest water level 82.59 below lsd, June 1, 1953; lowest 88.34 below lsd, Jan. 5, 1957. Records available: 1953-55, 1957. Measurement discontinued.

15-20-11cda. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone member of Lawrence Shale, diameter 1¼ inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 44.65 below lsd, Aug. 25, 1959; lowest 50.54 below lsd, Jan. 30, 1958. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	47.08	May 26	46.64	Aug. 25	44.65	Nov. 25	45.27
Mar. 24	47.11	June 26	46.06	Oct. 26	44.77		

15-21-4bcc. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone member of Lawrence Shale, diameter 5½ inches, depth 144 feet. Measuring point, top of well seal, 2.00 feet above lsd. Highest water level 17.65 below lsd, Aug. 7, 1958; lowest 29.04 below lsd, Feb. 26, 1957. Records available: 1956-59.

Feb. 23	18.22	May 26	19.94	Aug. 25	22.21	Nov. 25	21.88
Mar. 24	19.70	June 26	23.44	Oct. 26	21.37		

EDWARDS COUNTY

1. (C) M. Shouse. NW¼ SW¼ sec. 35, T. 24 S., R. 19 W. Dug and drilled unused water-table well in alluvium, diameter 16 inches, depth 28 feet. Measuring point, top north side of concrete curbing, 0.10 foot above lsd. Highest water level 3.17 below lsd, June 25, 1951; lowest 8.78 below lsd, Sept. 21, 1959. Records available: 1944-59.

Jan. 21	6.42	Apr. 17	6.24	July 20	6.49	Oct. 19	6.34
Feb. 18	6.15	May 20	6.08	Aug. 19	7.37	Nov. 19	7.25
May 20	6.23	June 23	6.49	Sept. 21	8.78	Dec. 17	7.45

10. (C) E. F. Lippoldt. SW¼ SW¼ sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in Dakota Formation, diameter 4½ feet, depth 70 feet, cribbed with rock. Measuring point, top of hole in concrete cover, 0.60 foot above lsd. Highest water level 62.53 below lsd, June 19, 1957 and Aug. 20, 1958; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-59.

Jan. 21	62.80	Apr. 17	63.37	July 20	63.05	Oct. 19	63.00
Feb. 20	66.57	May 20	63.92	Aug. 19	63.14	Nov. 19	62.70
Mar. 20	66.54	June 23	63.18	Sept. 21	63.28	Dec. 17	62.73

25-16-31dal. (C) E. B. Mayhew. Drilled unused well in Ogallala Formation, diameter 1½ inches, depth 44 feet. Measuring point, top south side of pipe, 0.80 foot above lsd. Highest water level 15.50 below lsd, Aug. 20, 1958; lowest 21.61 below lsd, Mar. 20, Apr. 9, 1957. Records available: 1957-59.

Jan. 23	16.16	Apr. 15	16.23	July 22	16.38	Oct. 19	17.13
Feb. 20	16.27	May 20	16.15	Aug. 20	17.56	Nov. 19	17.10
Mar. 23	16.19	June 23	16.23	Sept. 21	16.34	Dec. 17	16.38

ELLIS COUNTY

215. (C) A. H. Romine. NE¼ NW¼ sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 22 feet, cribbed with rock. Measuring point, top south edge of rock casing, 2.10

feet above lsd. Highest water level 9.35 below lsd, Apr. 15, 1958; lowest 20.80 below lsd, Apr. 17, 1956. Records available: 1941-59. Jan. 14, 10.55; Apr. 13, 11.60; July 15, 11.95; Oct. 14, 12.98.

218. (C) W. W. Bemis. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell Sandstone zone of Carlile Shale, diameter 24 inches, depth 81 feet, cribbed with rock. Measuring point, top north side of hole in 2 x 8 cover, 0.50 foot above lsd. Highest water level 11.76 below lsd, July 23, 1951; lowest 58.71 below lsd, Mar. 30, 1957. Records available: 1941-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.76	.....	29.60	30.23	31.87	.....	22.01	27.99	30.80	20.75	22.27	29.40
10	28.31	.....	30.00	30.44	31.92	.....	23.63	28.70	30.37	17.97	24.05	30.14
15	28.61	.....	30.07	30.47	29.64	17.85	24.88	29.37	30.64	17.94	25.40	30.83
20	28.89	28.82	30.31	30.89	29.75	18.49	25.61	29.85	30.08	18.44	26.50	31.57
25	.....	28.93	30.67	31.26	23.65	19.28	26.36	30.51	24.42	19.29	27.50	32.03
30	.....	.....	30.28	31.59	.....	20.59	27.15	30.92	23.10	20.81	28.60	32.50

14-16-17cb. (MB) J. M. Schippers. Dug stock water-table well in alluvium, diameter 5 feet, depth 24 feet, cribbed with stone. Measuring point, top of board platform, 0.90 foot above lsd. Highest water level 15.22 below lsd, July 27, 1951; lowest 21.58 below lsd, Oct. 15, 1956. Records available: 1946-59. Feb. 24, 18.13.

14-16-36bc. (MB) Tony Wagner. Dug stock water-table well in alluvium, diameter 4 feet, depth 29 feet, cribbed with stone. Measuring point, top south edge of board platform, 1.50 feet above lsd. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 23.40 below lsd, Dec. 9, 1952. Records available: 1946-52, 1955-59. Feb. 24, 18.50; Oct. 9, 18.60.

14-18-12bb. (MB) J. Brull. Dug domestic and stock water-table well in Lower Pleistocene deposits, diameter 4 feet, depth 31 feet, cribbed with stone. Measuring point, top of stone platform, 0.40 foot above lsd. Highest water level 18.40 below lsd, Feb. 24, 1959; lowest 27.15 below lsd, July 30, 1946. Records available: 1946-59. Feb. 24, 18.40; Oct. 9, 20.05.

14-19-31cc. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 28.98 below lsd, June 10, 1952; lowest 34.52 below lsd, Jan. 9, 1958. Records available: 1949-52, 1954-59. Feb. 24, 33.68; Oct. 9, 33.43.

14-20-32dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 26 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.13 below lsd, July 26, 1951; lowest 23.41 below lsd, Oct. 15, 1956. Records available: 1950-59. Feb. 24, 22.15; Oct. 9, 22.37.

15-18-1bb. (MB) Mat Rohr. Dug stock and observation water-table well in deposits of Pleistocene age, diameter 24 inches, depth 33 feet, cribbed with stone. Measuring point, top south edge of pump base, 0.50 foot above lsd. Highest water level 13.82 below lsd, June 10, 1952; lowest 28.22 below lsd, July 24, 1946. Records available: 1946-59. Feb. 24, 15.09; Oct. 9, 14.80.

15-18-16bb. (MB) T. W. Wolf. Dug domestic and stock water-table well in alluvium, diameter 40 inches, depth 16 feet, cribbed with stone. Measuring point, top east edge of curb, 2.50 feet above lsd. Highest water level 1.17 below lsd, May 15, 1951; lowest 10.28 below lsd, Oct. 15, 1956. Records available: 1946-59. Feb. 24, 5.50.

15-18-27cb. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 6.44 below lsd, July 11, 1957; lowest 12.90 below lsd, Oct. 15, 1956. Records available: 1949-59. Feb. 24, 11.87; Oct. 9, 9.54.

15-19-6aa. (MB) Aug Leiker. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 6 inches. Measuring point, top of concrete platform, 4.00 feet below lsd. Highest water level 50.86 below lsd, Sept. 10, 1952; lowest 57.26 below lsd, Aug. 6, 1958. Records available: 1946-52, 1954-59. Feb. 24, 55.80.

15-19-9cc. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 33.01 below lsd, Oct. 24, 1949; lowest dry, June 4, 1951. Records available: 1949-59. Feb. 24, 34.60; Oct. 9, 35.12.

15-19-15dd. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 23.37 below lsd, Oct. 26, 1951; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-59. Feb. 24, 24.50; Oct. 9, 24.60.

15-20-1bb. (MB) U.S.G.S. Jetted observation water-table in sand and terrace deposits of Pleistocene age, diameter ¾ inch, depth 26 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.40 below lsd, Oct. 26, 1951; lowest dry, Mar. 15, June 4, July 26, 1951. Records available: 1950-53, 1955-59. Feb. 24, 21.50; Oct. 9, 22.10.

15-20-12aa. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 37.00 below lsd, Feb. 28, 1952; lowest 39.31 below lsd, Mar. 16, 1950. Records available: 1949-59. Feb. 24, 38.70; Oct. 9, 38.80.

ELLSWORTH COUNTY

16-6-35bdd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.18 below lsd, Oct. 1, 1951; lowest 24.31 below lsd, Aug. 20, 1951. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	20.78	May 26	21.27	July 24	20.25	Dec. 16	20.39
Mar. 25	21.50	June 26	21.08	Aug. 21	20.75		

FINNEY COUNTY

1. (C) Mrs. A. M. Reid. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well in alluvium, diameter 15 inches, depth 21 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 1.05 below lsd, June 29, 1951; lowest 17.23 below lsd, Nov. 5, 10, 1956. Records available: 1936-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	12.56	12.36	12.17	12.07	10.77	12.57	12.15	13.22	13.42	14.40	14.17	13.80
10	12.52	12.36	12.13	12.08	11.26	12.65	12.46	12.59	14.08	14.42	14.07	13.72
15	12.51	12.26	12.18	12.09	11.78	12.55	12.86	13.00	14.36	14.37	14.00	13.70
20	12.44	12.26	12.13	11.47	12.10	.....	13.16	13.67	14.02	14.33	13.95	13.65
25	12.40	12.22	12.09	10.65	12.31	11.99	13.37	13.32	14.07	14.25	13.87	13.60
30	12.41	.....	12.09	11.00	12.44	12.27	13.36	13.67	14.33	14.22	13.83	13.56

5. (C) E. Alberta Reeves. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 21 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 32 feet. Measuring point, hole east side of pump base, 0.40 foot above lsd. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 24.31 below lsd, Jan. 7, 1958. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	21.94	Apr. 17	21.98	July 24	22.94	Oct. 23	24.01
Feb. 6	21.83	May 22	22.52	Aug. 7	23.35	Nov. 20	23.97
Mar. 13	21.93	June 5	22.66	Sept. 11	24.00	Dec. 11	23.94

6. (C) T. A. Meakel. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 21 S., R. 29 W. Drilled unused water-table well in alluvium, diameter 8 inches, depth 26 feet. Measuring point, top east side of casing, 2.00 feet above lsd. Highest water level 11.72 below lsd, Feb. 27, 1952; lowest 20.82 below lsd, June 22, 1946. Records available: 1939-59.

Jan. 23	17.18	Apr. 17	16.99	Aug. 7	16.78	Nov. 20	16.43
Feb. 6	17.10	June 5	16.90	Sept. 11	16.79	Dec. 11	16.35

8. (C) O. G. Reeve. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 25 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 83 feet. Measuring point, top south side of casing, 1.50 feet above lsd. Highest water level 70.47 below lsd, Nov. 28, 1956; lowest 75.25 below lsd, June 21, 1940. Records available: 1939-59. Feb. 6, 71.81; May 25, 71.83; Aug. 14, 71.80; Nov. 20, 71.94.

13. (C) Edwin Wehrley. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 25 S., R. 31 W. Dug unused water-table well in alluvium, diameter 24 inches, depth 6 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest water level 0.76 above lsd, May 5, 1942; lowest dry, Aug. 15, 1955. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	2.98	Apr. 17	2.93	July 17	3.86	Oct. 22	3.62
Feb. 6	3.01	May 22	3.47	Aug. 7	4.15	Nov. 26	3.28
Mar. 13	2.88	June 5	3.53	Sept. 25	4.35	Dec. 11	3.10

26. (C) Garden City Experiment Station. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 24 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 26 inches, depth 196 feet. Measuring point, top of casing, at land surface. Highest water level 61.59 below lsd, Oct. 21, 1949; lowest 77.98 below lsd, July 10, 1959. Records available: 1934, 1939-59. Jan. 23, 72.22; Apr. 17, 76.49; July 10, 77.98; Oct. 23, 74.53.

1002. (C) U.S. Army. SW $\frac{1}{4}$ sec. 27, T. 24 S., R. 31 W. Drilled industrial water-table well in Ogallala Formation, diameter 16 inches, depth 295 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 110.26 below lsd, Nov. 9, 1953; lowest 124.59 below lsd, Nov. 20, 1956. Records available: 1942-59.

Jan. 23	113.72	Apr. 10	113.84	July 17	123.89	Nov. 20	118.14
Feb. 6	114.05	May 22	113.64	Sept. 25	115.20	Dec. 11	115.58
Mar. 13	113.76	June 5	113.50	Oct. 22	118.30		

21-30-5bb. (C) F. T. Carl. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 44 feet. Measuring point, top east side of casing, 0.10 foot above lsd. Highest water level 25.55 below lsd, Oct. 24, 1958; lowest 29.07 below lsd, July 18, 1957. Records available: 1951-59. Apr. 17, 25.58; July 10, 25.85.

22-34-26ad. (C) Owner unknown. Drilled unused domestic and stock well in Ogallala Formation, diameter 5 inches, depth 163 feet. Measuring point, top edge of 3 x 3-inch wood clamp, 0.90 foot above lsd. Highest water level 49.43 below lsd, Mar. 13, 1959; lowest 64.85 below lsd, Sept. 5, 1957. Records available: 1957-59. Mar. 13, 49.43; June 5, 55.10; Sept. 18, 64.15; Dec. 8, 56.60.

23-27-12cc. (C) C. R. Rixon. Drilled unused well in Ogallala Formation, diameter 6 inches, depth 72 feet. Measuring point, at lower north edge of pump base, 0.50 foot above lsd. Highest water level 63.28 below lsd, Nov. 20, 1959; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-59. Feb. 6, 63.42; May 22, 63.43; Nov. 20, 63.28.

25-32-31dd. (C) Harry Lightner. Drilled artesian irrigation well in Ogallala Formation, diameter 16 inches, depth 140 feet. Measuring point, lower edge of sloping pipe, east side, 1.12 feet above lsd. Highest water level 63.35 below lsd, Jan 19, 1959; lowest 63.78 below lsd, Dec. 9, 1958. Records available: 1958-59. 1958: Dec. 9, 63.78. 1959: Jan. 19, 63.35.

26-31-1dd. (C) Mearl Hutton. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 180 feet. Measuring point, west outside edge of sloping pipe, 1.00 foot above lsd. Records available: 1959. Apr. 30, 71.89.

26-32-31cc. (C) Cecil Snodgrass. Drilled irrigation artesian well in

Ogallala Formation, diameter 16 inches, depth 445 feet. Measuring point, top hole in northeast side steel pump base, 1.30 feet above lsd. Highest water level 109.17 below lsd, Jan. 19, 1959; lowest 112.62 below lsd, Aug. 4, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Oct. 1, 1958	109.75	Nov. 21, 1958	109.41	May 14, 1959	109.88
21	109.83	Jan. 19, 1959	109.17	Aug. 4	112.62

FORD COUNTY

8. (C) F. H. Diehl. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 26 S., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 23 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.53 below lsd, Nov. 19, 1956. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	6.06	Mar. 20	5.85	July 21	6.91	Nov. 19	6.78
Feb. 17	5.87	May 20	6.11	Oct. 20	7.06	Dec. 17	6.50

96a. (C) Henry Hatstrup. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 26 S., R. 21 W. Driven unused well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 13 feet. Measuring point, 0.60 foot above lsd. Highest water level 7.42 below lsd, July 20, 1959; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1956-59. Jan. 23, 8.17; Apr. 20, 7.72; July 20, 7.42; Oct. 19, 8.00.

1002. (C) U.S. Army. Cen. SE $\frac{1}{4}$ sec. 12, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala Formation, diameter 16 inches, depth 262 feet. Measuring point, top north side of casing, 1.09 feet above lsd. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-59.

Jan. 21	103.01	Apr. 20	104.44	July 20	104.40	Oct. 20	104.61
Feb. 17	104.31	May 20	104.81	Aug. 19	104.92	Nov. 19	107.82
Mar. 20	104.10	June 23	104.63	Sept. 21	104.52	Dec. 17	104.61

25-22-20aa. (C) Mary⁴ Arends. Drilled cemetery well in Ogallala Formation, diameter 5 $\frac{1}{2}$ inches, depth 86 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 64.45 below lsd, Jan. 21, 1959; lowest 67.75 below lsd, Oct. 18, 1951. Records available: 1939, 1951-59. Jan. 21, 64.45; Apr. 20, 64.96; July 20, 64.91; Oct. 20, 65.00.

29-21-5bb. (C) E. R. and Maynard L. Estes. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 133 feet. Measuring point, flap in north side of pump base, 0.50 foot above lsd. Highest water level 79.50 below lsd, May, 1956; lowest 96.10 below lsd, July 6, 1959. Records available: 1956, 1959. 1956: May, 79.50. 1959: July 6, 96.10; Oct. 20, 96.04.

GOVE COUNTY

11-27-16aa. (C) M. E. Neher. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 132 feet. Measuring point, base of pump, at land surface. Highest water level 94.08 below lsd, Aug. 4, 1953; lowest 95.40 below lsd, Aug. 27, 1956. Records available: 1952-59. Jan. 14, 94.37; Apr. 13, 94.29; July 13, 93.34; Oct. 12, 94.21.

11-29-9ab. (C) Leo Boxberger. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 130 feet. Measuring point, hole in west side of pump base, 1.00 foot above lsd. Highest water level 124.25 below lsd, Oct. 12, 1959; lowest 126.16 below lsd, July 14, 1959. Records available: 1959. Apr. 14, 125.09; July 14, 126.16; Oct. 12, 124.25.

11-31-10aa. (C) Thos. P. Johnstone. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 97 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 91.52 below lsd, May 13, 1957. Records available: 1952-59. Jan. 15, 90.88; Apr. 14, 90.80; July 14, 91.02; Oct. 12, 91.14.

13-30-33bb. (C) Richard Benson. Dug domestic and stock well in Niobrara Chalk, diameter 60 inches, depth 58 feet. Measuring point, bottom of south side of pump base, 0.50 foot above lsd. Highest water level 20.38 below lsd, Apr. 13, 1959; lowest 22.07 below lsd, Oct. 12, 1959. Records available: 1959. Apr. 13, 20.38; July 13, 21.46; Oct. 12, 22.07.

14-28-29cc. (C) Public school. Drilled unused well in terrace deposits of Pleistocene age, diameter 5 inches, depth 44 feet. Measuring point, top north side of casing, 0.30 foot above lsd. Highest water level 29.62 below lsd, Oct. 15, 1958; lowest 36.49 below lsd, Nov. 26, 1956. Records available: 1956-59. Jan. 14, 30.37; Apr. 13, 30.92; July 13, 31.17; Oct. 12, 30.61.

15-29-30cb. (C) Henry York. Drilled domestic well in deposits of Pleistocene age and Niobrara Chalk, diameter 5 inches, depth 26 feet. Measuring point, top west side of casing, 1.80 feet above lsd, since Nov. 13, 1957. Highest water level 19.90 below lsd, Apr. 15, 1958; lowest 21.87 below lsd, Nov. 26, 1956. Records available: 1956-59. Jan. 14, 19.98; Apr. 13, 20.24; July 13, 21.00; Oct. 12, 20.40.

GRAHAM COUNTY

6-23-12ccb. (C) H. Hauser. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 70 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 61.90 below lsd, July 23, 1952; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-59. Jan. 16, 62.53; Apr. 15, 62.70; July 16, 62.98; Oct. 13, 63.21.

7-23-35ddd. (C) Chas. Stuchlik. Drilled unused well in Dakota and Ogallala Formations, diameter 8 inches, depth 700-800 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 34.96 below lsd, Feb. 20, 1956; lowest 46.12 below lsd, Nov. 26, 1956. Records available: 1952-59. Jan. 16, 35.84; Apr. 15, 36.58; July 16, 37.61; Oct. 12, 38.03.

7-23-36ccd. (C) Hill City Cemetery. Dug unused well in Ogallala Formation, diameter 42 inches, depth 54 feet. Measuring point, base of pump, 0.70 foot above lsd. Highest water level 25.68 below lsd, Aug. 4, 1953; lowest

45.65 below lsd, Aug. 15, 1955. Records available: 1952-59. Jan. 16, 30.01; Apr. 15, 30.21; July 16, 31.47.

8-22-3dcd. (C) F. O. Dunwoody. Drilled unused stock well in terrace deposits of Pleistocene age, diameter 8 inches, depth 24 feet. Measuring point, top west side of casing, 3.00 feet above lsd. Highest water level 13.89 below lsd, Aug. 14, 1952; lowest 17.74 below lsd, Nov. 26, 1956. Records available: 1952-59. Jan. 16, 15.79; Apr. 15, 15.88; July 16, 14.82; Oct. 12, 16.04.

10-23-14bcc. (C) J. Diebolt. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 40 feet. Measuring point, hole in west side of pump base, 0.15 foot above lsd. Highest water level 28.45 below lsd, Oct. 17, 1958, Apr. 13, 1959; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-59. Jan. 16, 28.57; Apr. 13, 28.45; July 16, 28.70; Oct. 12, 28.76.

GRANT COUNTY

4. (C) Flossie J. Andes. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 27 S., R. 38 W. Drilled stock well in deposits of Pleistocene age and Ogallala Formation, diameter 8 inches, depth 101 feet. Measuring point, top of concrete, 0.70 foot above lsd. Highest water level 83.94 below lsd, Dec. 8, 1952; lowest dry, Sept. through Dec., 1958, Mar. 13, Apr. 3, Nov. 13, 1959. Records available: 1941-54, 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	98.99	Mar. 13	dry	May 15	100.48	Aug. 19	100.01
Feb. 12	98.78	Apr. 3	dry	June 24	99.02	Nov. 13	dry

5. (C) C. L. Jury. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 6 inches, depth 162 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 82.04 below lsd, Aug. 19, 1959. Records available: 1941-59. Feb. 12, 75.11; May 15, 82.00; Aug. 19, 82.04; Nov. 13, 77.83.

400. (C) State of Kansas. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 28 S., R. 38 W. Drilled observation water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 12 inches, depth 100 feet. Measuring point, top south side of casing, 0.20 foot above lsd. Highest water level 52.70 below lsd, Feb. 28, 1945; lowest 65.56 below lsd, Oct. 5, 1959. Records available: 1944-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	63.10	63.16	63.55	64.11	64.66	64.64	64.58	65.28	65.16	65.56	65.00	64.76
10	63.09	63.21	63.67	64.14	64.80	64.59	64.62	65.40	65.15	65.42	64.94	64.73
15	63.06	63.31	63.79	64.24	64.80	64.60	64.82	65.48	65.16	65.27	64.89	64.72
20	63.04	63.36	63.81	64.35	64.80	64.57	64.92	65.40	65.30	65.18	64.85	64.78
25	63.04	63.42	63.88	64.47	64.81	64.55	65.05	65.40	65.48	65.12	64.82	64.86
30	63.05	.....	63.94	64.57	64.73	64.48	65.13	65.31	65.50	65.07	64.80	64.96

27-35-16cb. (C) Craig Howard. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 186 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 145.00 below lsd, Oct. 9, 1951; lowest

179.28 below lsd, Feb. 12, 1959. Records available: 1941-42, 1951-59. Feb. 12, 179.28; May 7, 179.14; Aug. 19, 179.18; Nov. 13, 178.06.

27-36-21dc. (C) Clarence W. McCauley. Drilled irrigation artesian well in deposits of Pleistocene and Pliocene ages. Measuring point, top hole in steel pump base, east side, 0.40 foot above lsd. Highest water level 203.00 below lsd, Oct. 19, 1959; lowest 204.27 below lsd, Sept. 30, 1958. Records available: 1958-59. 1958: Sept. 30, 204.27; Nov. 10, 203.58; Dec. 9, 203.17. 1959: Apr. 15, 203.49, Oct. 19, 203.00.

27-38-15bb. (C) Mrs. Charles Andes. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 450 feet. Measuring point, outside edge of bolt hole at top of pump, 0.50 foot above lsd. Highest water level 97.15 below lsd, Jan. 15, 1958; lowest 110.36, Aug. 19, 1959. Records available: 1958-59. 1958: Jan. 15, 97.15. 1959: Aug. 19, 110.36; Oct. 27, 102.52; Nov. 13, 101.86.

27-38-23cbl. (C) L. F. Hohner. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 234 feet. Measuring point, top east side of casing, 0.80 foot above lsd. Highest water level 41.25 below lsd, Mar. 9, 1943; lowest 122.1 below lsd, Aug. 7, 1959. Records available: 1943, 1955, 1958-59. Recorder installed Mar. 24, 1959.

Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1943	41.25	Jan. 15, 1958	69.00	Jan. 27, 1959	63.97
June 19, 1955	50.50	July 25	64.20	Mar. 24	99.59 ^a
July 25	65.00	Sept. 18	87.55		

^a Well 52 feet northwest pumping about 900 gpm.

Water levels from recorder graph

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	104.97 ^a	106.81 ^a	72.22	109.00 ^a	120.05 ^a	100.2 ^a	75.2	69.36	69.83
10	....	107.36 ^a	88.16	70.82	112.63 ^a	....	101.3 ^a	73.08	68.57	85.66 ^a
15	....	77.25	83.72	69.83	109.68 ^a	....	98.4 ^a	71.77	68.07	98.72 ^a
20	....	80.70	81.38	79.42	89.25	97.2 ^a	98.4 ^a	70.96	67.99	96.57 ^a
25	103.15 ^a	107.52 ^a	79.64	74.42	119.85 ^a	79.9	105.5 ^a	70.03	67.38	95.47 ^a
eom	98.60	109.32 ^a	74.37	75.45	....	99.2 ^a	88.3 ^a	69.65	67.26	72.70

^a Well 52 feet northwest pumping about 900 gpm.

27-38-32bc. (C) G. M. Coffey. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 275 feet. Measuring point, top of casing, south side, 2.00 feet above lsd. Highest water level 49.66 below lsd, Nov. 29, 1940; lowest 108.44 below lsd, Sept. 29, 1959. Records available: 1940, 1958-59. Recorder installed Dec. 11, 1958.

Date	Water level	Date	Water level	Date	Water level
Nov. 29, 1940	49.66	Nov. 21, 1958	85.30	Dec. 20, 1958	82.11
Sept. 18, 1958	98.25	Dec. 11	82.51	25	81.62
Oct. 21	91.56	15	83.78	31	81.23

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	80.90	82.05	85.49	90.55	103.62	86.64	91.14	101.74	90.19	91.58	85.22	83.00
10	80.59	82.23	87.88	91.01	96.02	86.99	93.00	98.68	90.31	88.73	84.66	82.68
15	80.41	81.82	88.27	91.88	94.54	86.35	99.56	92.63	91.19	87.46	84.25	84.25
20	80.33	81.98	88.57	93.14	97.00	86.70	99.92	91.78	101.80	86.72	83.80	85.96
25	80.23	81.94	90.37	93.16	89.03	86.00	104.97	91.80	97.84	86.17	83.51	87.88
eom	81.94	84.22	95.11	101.92	87.40	85.29	106.23	89.97	107.70	85.67	83.32	86.89

28-38-16dbl. (C) Tacy Marie Halloday. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 370 feet. Measuring point, top north side of casing, at land surface. Highest water level 78.44 below lsd, Dec. 3, 1959; lowest 125.72 below lsd, May 6, 1959. Records available: 1959. Recorder installed Feb. 23, 1959. Feb. 23, 83.35.

Water levels from recorder graph

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
5	.....	.....	110.67 ^a	125.54 ^a	92.26	106.45 ^a	123.20 ^a	.....	.....	78.67
10	.....	.....	115.60 ^a	106.46 ^a	96.11	112.65 ^a	116.53 ^a	.....	.....	79.37
15	.....	.....	104.98 ^a	118.88 ^a	91.19	110.86 ^a	111.52 ^a	.....	.....	81.14
20	.....	.....	109.83 ^a	111.40 ^a	88.04	110.76 ^a	105.36 ^a	.....	79.07	82.33
25	82.44	89.57	116.58 ^a	103.35 ^a	86.93	106.32 ^a	100.30	.....	79.18	82.31
eom	82.81	88.32	121.28 ^a	95.90	91.30	.....	99.10	103.05 ^a	78.84	.....

^a Well 650 feet south pumping about 900 gpm.

30-35-19bcl. (C) Eual P. Brewer. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 430 feet. Measuring point, top hole in steel pump base, northeast side, 0.20 foot above lsd. Highest water level 144.43 below lsd, Feb. 23, 1959; lowest 147.25 below lsd, Nov. 23, 1959. Records available: 1958-59. 1958: Oct. 1, 145.27; Dec. 3, 144.75. 1959: Feb. 23, 144.43; Oct. 15, 146.94; Nov. 23, 147.25.

30-37-20cb. (C) J. H. Lewis. Drilled irrigation water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 16 inches, depth 335 feet. Measuring point, hole in south side of pump base, 0.65 foot above lsd. Highest water level 114.40 below lsd, Aug. 8, 1941; lowest 145.05 below lsd, Aug. 18, 1959. Records available: 1941, 1952-59. Feb. 12, 134.68; Aug. 18, 145.05; Nov. 13, 138.60.

30-38-6bc. (C) L. W. Bailey. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 414 feet. Measuring point, hole in steel pump base on east side, 1.00 foot above lsd. Highest water level 61.10 below lsd, Dec. 9, 1958; lowest 65.26 below lsd, Aug. 26, 1958. Records available: 1958-59. 1958: Aug. 26, 65.26; Oct. 21, 62.20; Dec. 9, 61.10. 1959: Feb. 4, 61.45; Oct. 28, 62.18.

GRAY COUNTY

3a. (C) N. A. Mans. NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 28 S., R. 27 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 173 feet. Measuring point, hole in east side of pump base, 0.50 foot above lsd. Highest water level 158.54 below lsd, Oct. 21,

1959; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-59. Jan. 23, 158.82; Apr. 10, 158.59; July 17, 158.70; Oct. 21, 158.54.

7. (C) P. Brietenbach and others. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 26 S., R. 29 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 86 feet. Measuring point, top of west pipe clamp, 1.00 foot above lsd. Highest water level 64.80 below lsd, Sept. 3, 1952; lowest 77.70 below lsd, May 22, 1940. Records available: 1939-49, 1952-59. Jan. 23, 66.19; Apr. 10, 67.37; July 17, 67.87; Oct. 22, 66.90.

26-29-7cb. (C) C. M. Davis. Drilled unused stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 100 feet. Measuring point, top clamp south edge of north pipe, 1.00 foot above lsd. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.83 below lsd, Oct. 13, 1939. Records available: 1939, 1953-59. Jan. 23, 80.89; Apr. 10, 80.82; Oct. 22, 80.94.

29-28-13ccc. (C) Owner unknown. Drilled unused stock well in Ogallala Formation, diameter 1 $\frac{1}{2}$ inches, depth 84 feet. Measuring point, bottom of 1 $\frac{1}{2}$ -inch T in pipe, 2.10 feet above lsd. Highest water level 69.46 feet below lsd, Jan. 8, 1959; lowest 69.82 below lsd, July 17, 1959. Records available: 1958-59. Jan. 8, 69.46; Apr. 10, 69.59; July 17, 69.82; Oct. 21, 69.57.

GREELEY COUNTY

16-39-33cc. (C) Robert Hoard. Domestic and stock well in Ogallala Formation, diameter 6 inches, depth 107 feet. Measuring point, top board covering casing, 0.80 foot above lsd. Highest water level 73.48 below lsd, July 14, Sept. 18, 1959; lowest 73.64 below lsd, Dec. 8, 1959. Records available: 1959. July 14, 73.48; Sept. 18, 73.48; Dec. 8, 73.64.

16-41-20ba. (C) J. Howell. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 153 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 127.96 below lsd, Jan. 6, 1949; lowest 133.49 below lsd, Sept. 18, 1959. Records available: 1947-59. Mar. 31, 131.67; June 25, 132.29; Sept. 18, 133.49; Dec. 8, 129.39.

20-40-24aa. (C) Owner unknown. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 220 feet. Measuring point, west side of pump base, 0.80 foot above lsd. Highest water level 191.07 below lsd, Mar. 22, 1956; lowest 197.24 below lsd, Mar. 24, 1955. Records available: 1954-59. June 26, 195.05; Sept. 18, 195.40; Dec. 8, 195.31.

HAMILTON COUNTY

2a. (C) Chester Huser. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 23 S., R. 43 W. Drilled irrigation well in alluvium, diameter 40 inches, depth 29 feet. South well of a battery of three irrigation wells. Measuring point, top west side of concrete curb, 1.31 feet above lsd, since Nov. 22, 1957. Highest water level 11.44 below lsd, June 29, 1951; lowest 15.44 below lsd, Oct. 23, 1956. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	12.30	Apr. 17	11.46	July 24	14.73	Oct. 23	12.49
Feb. 20	12.26	May 29	13.08	Aug. 19	14.45	Nov. 20	12.46
Mar. 27	12.39	June 26	12.64	Sept. 25	13.99	Dec. 18	12.47

3. (C) B. Rees. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 40 W. Dug and drilled unused water-table well in alluvium, diameter 12 inches, depth 25 feet. Measuring point, top of bolt in west side of concrete, 0.25 foot above lsd. Highest water level 11.45 below lsd, May 31, 1951; lowest 17.29 below lsd, Sept. 21, 1956. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	15.42	Apr. 17	14.75	July 24	13.13	Oct. 23	13.18
Feb. 20	14.49	May 22	14.27	Aug. 19	13.05	Nov. 20	13.55
Mar. 20	14.60	June 26	13.41	Sept. 25	13.17	Dec. 18	13.85

6. (C) Belle Heinlen. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 39 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 106 feet. Measuring point, top south side of casing, 1.35 feet above lsd. Highest water level 21.97 below lsd, Sept. 5, 1958; lowest 56.40 below lsd, July 23, 1954. Records available: 1939-59.

Jan. 23	23.73	Apr. 17	52.05	July 24	54.67	Oct. 23	53.63
Feb. 20	49.41	May 22	53.00	Aug. 19	54.95	Nov. 20	34.81
Mar. 20	50.20	June 26	53.64	Sept. 25	55.21	Dec. 18	36.60

26-40-18ba. (C) M. Williamson. Drilled stock well in Dakota Formation, diameter 6 inches, depth 134 feet. Measuring point, top of wooden clamp, northwest side, 1.00 foot above lsd. Highest water level 110.95 below lsd, July 14, 1959; lowest 123.60 below lsd, Sept. 28, 1939. Records available: 1939, 1959. 1939: Sept. 28, 123.60. 1959: July 14, 110.95.

HARPER COUNTY

32-7-11cdd. (C) City of Anthony. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 53 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 14.22 below lsd, July 6, 1958; lowest 22.09 below lsd, Mar. 24, 31, 1957. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
Sept. 7, 1958	16.34	Mar. 1, 1959	16.69	Sept. 6, 1959	18.68
Oct. 5	16.15	Apr. 5	16.23	Oct. 4	14.45
Nov. 2	16.43	May 3	16.36	Nov. 1	14.59
Dec. 7	16.51	June 7	16.43	Dec. 6	14.86
Jan. 4, 1959	16.38	July 5	17.15	27	14.95
Feb. 1	16.76	Aug. 2	17.52		

32-7-12ccb1. (C) City of Anthony. Drilled observation well in terrace deposits of Pleistocene age, diameter 2 inches, depth 60 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 22.50 below lsd, Oct. 15, 1954; lowest 36.79 below lsd, Oct. 28, 1956. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level
Sept. 7, 1958	29.52	Mar. 1, 1959	30.33	Sept. 6, 1959	32.84
Oct. 5	29.19	Apr. 5	30.43	Oct. 4	32.00
Nov. 2	30.35	May 3	29.83	Nov. 1	29.85
Dec. 7	30.40	June 7	29.60	Dec. 6	29.63
Jan. 4, 1959	29.50	July 5	31.96	27	29.56
Feb. 1	30.02	Aug. 2	31.96		

HARVEY COUNTY

101. (C) City of Wichita. NW¼ NW¼ sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 75 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 27.61 below lsd, Aug. 1, 1958; lowest 38.46 below lsd, Aug. 31, 1956. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 1	28.35	May 1	28.48	July 31	29.60	Oct. 30	31.18
30	29.21	June 1	28.02	Sept. 1	31.28	Dec. 1	31.11
Mar. 2	29.37	30	28.66	Oct. 1	31.51	29	31.08
Apr. 1	29.20						

102. (C) City of Wichita. NE¼ NE¼ sec. 24, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.60 below lsd, Jan. 1, 1959; lowest 36.33 below lsd, Aug. 31, 1956. Records available: 1954-59.

Jan. 1	23.60	May 1	27.37	July 31	28.20	Oct. 30	29.24
30	28.94	June 1	27.82	Sept. 1	29.38	Dec. 1	29.52
Mar. 2	29.45	30	27.13	Oct. 1	29.09	29	29.22
Apr. 1	28.79						

103. (C) City of Wichita. SW¼ SW¼ sec. 19, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 73 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 24.63 below lsd, Jan. 1, 1959; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-59.

Jan. 1	24.63	May 1	26.27	July 31	26.62	Oct. 30	27.13
30	28.13	June 1	27.20	Sept. 1	28.25	Dec. 1	27.41
Mar. 2	28.79	30	25.60	Oct. 1	26.68	29	27.38
Apr. 1	27.92						

104. (C) City of Wichita. NW¼ NW¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 81 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.47 below lsd, Jan. 1, 1959; lowest 27.77 below lsd, Nov. 1, 1956. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.47	May 1	20.25	July 31	20.75	Oct. 30	22.30
30	20.56	June 1	19.51	Sept. 1	22.02	Dec. 1	22.40
Mar. 2	20.54	30	19.85	Oct. 1	22.42	29	22.49
Apr. 1	20.47						

105. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.50 below lsd, Aug. 1, 1958; lowest 31.58 below lsd, Aug. 31, 1956. Records available: 1954-59.

Jan. 1	20.60	May 1	22.40	July 31	21.45	Oct. 30	21.61
30	22.27	June 1	20.42	Sept. 1	22.12	Dec. 1	21.81
Mar. 2	23.09	30	20.05	Oct. 1	22.07	29	21.86
Apr. 1	22.10						

106. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.54 below lsd, Oct. 31, 1958; lowest 27.68 below lsd, Aug. 31, 1956. Records available: 1954-59.

Jan. 1	24.09	May 1	24.45	July 31	24.50	Oct. 30	25.18
30	24.46	June 1	24.47	Sept. 1	25.12	Dec. 1	25.12
Mar. 2	24.54	30	24.35	Oct. 1	25.20	29	25.26
Apr. 1	24.40						

107. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 66 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 36.28 below lsd, Dec. 1, 1959; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-59.

Jan. 1	39.60	May 1	39.79	July 31	38.44	Oct. 30	36.83
30	40.90	June 1	39.54	Sept. 1	39.19	Dec. 1	36.28
Mar. 2	40.63	30	39.52	Oct. 1	37.77	29	36.93
Apr. 1	40.07						

108. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.06 below lsd, July 27, 1954; lowest 13.22 below lsd, Apr. 1, 1957. Records available: 1954-59.

Jan. 1	11.10	May 1	10.97	July 31	11.05	Oct. 30	11.32
30	11.17	June 1	10.94	Sept. 1	11.16	Dec. 1	11.51
Mar. 2	11.02	30	10.85	Oct. 1	11.26	29	11.61
Apr. 1	10.96						

109. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.76 below lsd, Oct. 2, 1958; lowest 15.03 below lsd, Apr. 1, 1957. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	10.73	May 1	11.30	July 31	11.90	Oct. 30	12.00
30	10.59	June 1	11.31	Sept. 1	12.29	Dec. 1	12.39
Mar. 2	10.99	30	11.51	Oct. 1	12.60	29	12.63
Apr. 1	11.17						

110. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.86 below lsd, Oct. 2, 1958; lowest 10.36 below lsd, Mar. 1, 1957. Records available: 1954-59.

Jan. 1	5.87	May 1	6.37	July 31	6.90	Oct. 30	6.22
30	5.65	June 1	6.05	Sept. 1	7.18	Dec. 1	6.71
Mar. 2	6.05	30	6.54	Oct. 1	7.40	29	6.97
Apr. 1	6.29						

111. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.39 below lsd, Oct. 2, 1958; lowest 20.12 below lsd, Oct. 1, 1956. Records available: 1954-59.

Jan. 1	14.95	May 1	15.35	July 31	14.58	Oct. 30	13.99
30	15.32	June 1	14.30	Sept. 1	15.72	Dec. 1	14.44
Mar. 2	15.18	30	15.10	Oct. 1	15.93	29	14.67
Apr. 1	15.09						

112. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.02 below lsd, Dec. 1, 1959; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-59.

Jan. 1	21.72	May 1	21.60	July 31	21.19	Oct. 30	20.20
30	21.75	June 1	21.55	Sept. 1	20.02	Dec. 1	19.02
Mar. 2	21.66	30	21.33	Oct. 1	20.95	29	19.88
Apr. 1	21.57						

113. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 29 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.32 below lsd, July 1, 1957; lowest 23.90 below lsd, Mar. 1, 1957. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.90	May 1	19.99	July 31	19.10	Oct. 30	18.14
30	19.40	June 1	18.96	Sept. 1	19.47	Dec. 1	18.94
Mar. 2	19.72	30	19.65	Oct. 1	19.78	29	19.18
Apr. 1	19.58						

118. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 23 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 7.78 below lsd, July 1, 1957; lowest 19.69 below lsd, Oct. 1, 1956. Records available: 1955-59.

Jan. 1	13.82	May 1	14.15	July 31	14.04	Oct. 30	13.85
30	14.14	June 1	12.83	Sept. 1	14.78	Dec. 1	14.14
Mar. 2	14.15	30	13.98	Oct. 1	15.10	29	14.14
Apr. 1	13.85						

119. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 27.56 below lsd, May 1, 1957; lowest 36.76 below lsd, Oct. 1, 1956. Records available: 1955-59.

Jan. 1	30.98	May 1	31.52	July 31	31.35	Oct. 30	31.14
30	31.49	June 1	30.32	Sept. 1	31.19	Dec. 1	31.49
Mar. 2	31.30	30	31.65	Oct. 1	32.32	29	31.37
Apr. 1	30.97						

120. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 24 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.36 below lsd, Aug. 1, 1958; lowest 23.00 below lsd, Oct. 1, 1956. Records available: 1955-59.

Jan. 1	17.17	May 1	17.85	July 31	17.10	Oct. 30	17.27
30	17.87	June 1	16.23	Sept. 1	18.27	Dec. 1	17.61
Mar. 2	17.60	30	17.75	Oct. 1	18.39	29	17.67
Apr. 1	17.28						

121. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 81 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 44.18 below lsd, Aug. 1, 1958; lowest 54.18 below lsd, May 31, 1956. Records available: 1955-59.

Jan. 1	47.01	May 1	48.35	July 31	47.80	Oct. 30	47.79
30	47.90	June 1	46.87	Sept. 1	50.01	Dec. 1	48.04
Mar. 2	47.65	30	48.65	Oct. 1	49.08	29	47.68
Apr. 1	47.72						

122. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.07 below lsd, Aug. 1, 1958; lowest 23.01 below lsd, Oct. 1, 1956. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.63	May 1	19.54	July 31	18.90	Oct. 30	18.72
30	19.64	June 1	17.25	Sept. 1	19.18	Dec. 1	19.05
Mar. 2	19.70	30	19.73	Oct. 1	19.78	29	18.96
Apr. 1	18.53						

123. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 43 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.84 below lsd, May 1, 1957; lowest 38.54 below lsd, Dec. 31, 1956. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	31.32	May 1	32.45	July 31	31.34	Oct. 30	31.77
30	32.00	June 1	31.05	Sept. 1	32.38	Dec. 1	30.66
Mar. 2	31.95	30	33.10	Oct. 1	32.77	29	31.74
Apr. 1	31.89						

506. (C) W. G. Backhaus. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 139 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 1.71 below lsd, July 16, 1951; lowest 21.70 below lsd, Oct. 15, 1956. Records available: 1938-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.20	15.47	15.57	15.18	15.35	13.27	14.76	15.12	15.63	14.52	14.66	14.93
10	15.33	15.34	15.55	15.41	13.12	13.57	14.71	15.67	15.62	.....	14.66	14.94
15	15.38	15.42	15.40	15.38	11.22	14.20	15.21	16.58	15.79	.....	14.76	15.03
20	15.35	15.52	15.52	15.20	12.65	14.91	15.06	15.70	15.91	14.47	14.67	15.14
25	15.51	15.56	15.54	15.05	13.03	14.51	13.91	15.66	15.81	14.62	14.78	15.13
30	15.57	.....	14.89	15.10	13.10	14.81	14.29	15.69	15.78	14.73	14.90	15.12

507. (C) W. G. Backhaus. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 44 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 3.23 below lsd, May 6, 1944; lowest 21.32 below lsd, Aug. 31, 1956. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.77	May 1	13.10	July 31	13.52	Oct. 30	11.10
30	14.86	June 1	11.28	Sept. 1	13.88	Dec. 1	11.66
Mar. 2	15.60	30	12.66	Oct. 1	12.94	29	12.70
Apr. 1	14.08						

736. (C) I. Ansel, Jr. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 23 S., R. 3 W. Driven domestic water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 33 feet. Measuring point, base of pitcher pump, 4.70 feet above lsd. Highest water level 3.60 below lsd, July 1, 1952; lowest 12.81 below lsd, Dec. 31, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.30	May 1	4.89	July 31	6.00	Oct. 30	7.62
	30 5.60	June 1	4.26	Sept. 1	6.68	Dec. 1	8.20
Mar. 2	4.96		30 5.01	Oct. 1	7.50		29 8.28
Apr. 1	4.82						

817. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 24 S., R. 2 W. Driven observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 21.46 below lsd, Oct. 1, 1956. Records available: 1938-59.

Jan. 1	16.80	May 1	17.06	July 31	17.09	Oct. 30	16.98
	30 16.82	June 1	15.48	Sept. 1	19.14	Dec. 1	17.12
Mar. 2	17.08		30 17.36	Oct. 1	18.26		29 17.01
Apr. 1	16.64						

821. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 29.93 below lsd, Apr. 1, 1957. Records available: 1938-59.

Jan. 1	25.38	May 1	28.18	July 31	28.24	Oct. 30	28.31
	30 28.33	June 1	28.22	Sept. 1	28.60	Dec. 1	28.42
Mar. 2	28.29		30 28.28	Oct. 1	28.59		29 28.26
Apr. 1	28.21						

824. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 24 S., R. 1 W. Driven observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 42 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 3.60 below lsd, June 1, 1951; lowest 19.87 below lsd, Oct. 1, 1956. Records available: 1938-59.

Jan. 1	10.80	May 1	10.86	July 31	9.57	Oct. 30	9.48
	30 11.03	June 1	10.26	Sept. 1	10.59	Dec. 1	9.54
Mar. 2	11.01		30 10.78		30 11.37		29 9.61
Apr. 1	11.16						

831. (C) City of Wichita. NE cor. sec. 19, T. 24 S., R. 1 W. Driven observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.53 below lsd, May 4, 1945; lowest 23.02 below lsd, Apr. 1, 1957. Records available: 1939-49, 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.88	Mar. 2	18.90	May 1	19.22	June 1	18.01
30	18.68	Apr. 1	18.90				

832. (C) City of Wichita. NE cor. sec. 19, T. 24 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 129 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.54 below lsd, July 1, 1957; lowest 24.85 below lsd, Dec. 31, 1956. Records available: 1938-49, 1955-59.

Jan. 2	18.90	May 1	19.71	July 31	19.00	Oct. 30	18.49
30	19.67	June 1	18.27	Sept. 1	19.45	Dec. 1	19.00
Mar. 2	19.35	30	18.80	Oct. 1	19.80	29	19.20
Apr. 1	19.12						

833. (C) T. B. Burrows. SW¼ SW¼ sec. 19, T. 24 S., R. 1 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 25.23 below lsd, Mar. 1, 1957. Records available: 1938-59.

Jan. 1	20.45	May 1	21.10	July 31	20.48	Oct. 30	19.20
30	20.91	June 1	20.56	Sept. 1	20.60	Dec. 1	19.63
Mar. 2	20.87	30	20.88	Oct. 1	20.76	29	19.74
Apr. 1	20.88						

839. (C) City of Wichita. NE¼ NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-59.

Jan. 1	28.98	May 1	28.43	July 31	28.16	Oct. 30	27.13
30	29.00	June 1	28.55	Sept. 1	29.04	Dec. 1	22.83
Mar. 2	28.85	30	28.30	Oct. 1	27.68	29	26.62
Apr. 1	28.67						

853. (C) City of Wichita. NW¼ NW¼ sec. 13, T. 24 S., R. 2 W. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.82 below lsd, Oct. 2, 1951; lowest 21.86 below lsd, Mar. 1, 1957. Records available: 1938-59.

Jan. 2	16.68	May 1	17.28	July 31	16.64	Oct. 30	16.14
30	17.05	June 1	16.59	Sept. 1	17.28	Dec. 1	16.51
Mar. 2	17.10	30	17.27	Oct. 1	17.52	29	16.67
Apr. 1	17.03						

854. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 5.13 below lsd, Aug. 1, 1951; lowest 17.34 below lsd, Jan. 31, 1957. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	11.26	May 1	12.04	July 31	12.03	Oct. 30	12.32
30	12.28	June 1	10.78	Sept. 1	12.90	Dec. 1	12.72
Mar. 2	12.05	30	11.95	Oct. 1	13.47	29	12.63
Apr. 1	11.94						

855a. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 24 S., R. 4 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 67 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 0.65 below lsd, July 1, 1957; lowest 9.45 below lsd, Oct. 1, 1956. Records available: 1938-46, 1950, 1956-59.

Jan. 30	6.54	May 1	6.67	July 31	6.94	Oct. 30	7.14
Mar. 2	6.54	June 1	5.76	Sept. 1	7.61	Dec. 1	7.33
Apr. 1	6.55	30	6.42	Oct. 1	8.06	29	7.46

873. (C) City of Wichita. D. C. Buller, owner of property. SE cor. sec. 31, T. 23 S., R. 2 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 63 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 10.49 below lsd, Apr. 29, 1943; lowest 41.05 below lsd, Jan. 1, 1958. Records available: 1939-49, 1954-59.

Jan. 1	38.03	May 1	38.16	July 31	38.42	Oct. 30	37.03
30	39.08	June 1	37.77	Sept. 1	38.54	Dec. 1	38.22
Mar. 2	38.43	30	38.77	Oct. 1	38.18	29	31.39
Apr. 1	37.96						

874. (C) City of Wichita. D. C. Buller, owner of property. SE cor. sec. 31, T. 23 S., R. 2 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 201 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 20.04 below lsd, May 27, 1940; lowest 60.17 below lsd, June 30, 1959. Records available: 1939-49, 1954-59.

Jan. 1	48.55	May 1	47.69	July 31	45.32	Oct. 30	57.27
30	47.93	June 1	45.47	Sept. 1	48.35	Dec. 1	58.19
Mar. 2	43.68	30	60.17	Oct. 1	41.06	29	43.98
Apr. 1	45.97						

875. (C) A. B. Havelly. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 13 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 1.70 above lsd, Oct. 31 and Dec. 31, 1958 through June 30, 1959; lowest 8.78 below lsd, Oct. 31, 1955. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	+1.70	Apr. 1	+1.70	June 30	+1.70	Oct. 1	1.45
	30 +1.70	May 1	+1.70	July 31	+1.33	Dec. 1	2.64
Mar. 2	+1.70	June 1	+1.70	Sept. 1	0.65	29	2.40

876. (C) A. B. Havelly. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 246 feet. Measuring point, top of instrument shelf, 2.70 feet above lsd. Highest water level 16.43 below lsd, Jan. 2, 1959; lowest 32.83 below lsd, Apr. 2, 1957. Records available: 1939-59.

Jan. 2	16.43	May 1	22.72	July 31	22.90	Oct. 30	23.07
	30 20.49	June 1	22.19	Sept. 1	23.28	Dec. 1	25.44
Mar. 2	21.27	30	22.62	Oct. 1	23.62	29	25.76

877. (C) A. B. Havelly. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top of plate on instrument shelf, 3.40 feet above lsd. Highest water level 8.50 below lsd, Jan. 2, 1959; lowest 19.21 below lsd, Aug. 5, Sept. 5, 1956. Records available: 1939-59.

Jan. 2	8.50	May 1	9.00	July 31	9.11	Oct. 30	9.64
	30 9.06	June 1	8.64	Sept. 1	9.44	Dec. 1	11.72
Mar. 2	9.56	30	8.87	Oct. 1	9.66	29	11.76

878. (C) C. Cadwell. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 24 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 16.25 below lsd, June 3, 1940; lowest 39.08 below lsd, Sept. 1, 1959. Records available: 1938-59.

Jan. 1	28.97	May 1	32.53	July 31	38.75	Oct. 30	33.74
	30 33.56	June 1	33.52	Sept. 1	39.08	Dec. 1	33.67
Mar. 2	33.46	30	33.57	Oct. 1	33.75	29	33.68
Apr. 1	33.47						

879. (C) C. Cadwell. SE cor. SE $\frac{1}{4}$ sec. 1, T. 24 S., R. 3 W. Drilled unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$ inches, depth 241 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 40.59 below lsd, Oct. 30, 1959. Records available: 1938-59.

Jan. 1	34.52	May 1	39.45	July 31	33.19	Oct. 30	40.59
	30 36.49	June 1	38.77	Sept. 1	33.42	Dec. 1	38.77
Mar. 2	35.03	30	38.94	Oct. 1	39.22	29	38.72
Apr. 1	36.62						

880. (C) Peter Miller. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter

1¼ inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 2.56 below lsd, Sept. 30, 1945; lowest dry, Mar. 2, Apr. 2, May 1, 1956. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	10.90	May 1	13.11	July 31	12.90	Oct. 30	14.06
30	11.07	June 1	13.14	Sept. 1	13.52	Dec. 1	14.33
Mar. 2	11.39	30	12.39	Oct. 1	13.96	29	14.22
Apr. 1	13.95						

881. (C) Peter Miller. SE¼ SE¼ sec. 11, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 55 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 15.92 below lsd, Dec. 29, 1959. Records available: 1938-59.

Jan. 2	11.60	May 1	14.88	July 31	14.00	Oct. 30	15.13
30	11.79	June 1	12.49	Sept. 1	13.99	Dec. 1	15.05
Mar. 2	12.56	30	13.11	Oct. 1	14.57	29	15.92
Apr. 1	12.15						

884. (C) Maggie Holle. NW¼ NW¼ sec. 26, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 38.30 below lsd, May 1, 1957. Records available: 1939-59.

Jan. 2	32.45	May 1	32.70	July 31	31.58	Oct. 30	31.11
30	33.08	June 1	32.16	Sept. 1	33.00	Dec. 1	30.99
Mar. 2	33.49	30	32.52	Oct. 1	31.34	29	31.23
Apr. 1	33.56						

885. (C) Maggie Holle. NW cor. NW¼ sec. 26, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 99 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.22 below lsd, Aug. 21, 1939; lowest 39.70 below lsd, May 1, 1957. Records available: 1939-59.

Jan. 1	33.65	May 1	34.22	July 31	31.49	Oct. 30	31.32
30	33.90	June 1	32.73	Sept. 1	32.43	Dec. 1	31.08
Mar. 2	34.96	30	33.88	Oct. 1	31.20	29	32.49
Apr. 1	35.05						

886. (C) F. H. Haiber. NE cor. NW¼ sec. 16, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.34 below lsd, Aug. 21, 1939; lowest 31.86 below lsd, Aug. 1, 1956. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	27.39	Apr. 24	26.92	July 24	26.82	Oct. 26	25.46
26	27.57	May 1	26.98	31	26.27	30	25.42
30	28.38	25	27.29	Aug. 26	26.76	Nov. 25	24.84
Feb. 25	27.92	June 1	26.82	Sept. 1	27.62	Dec. 1	25.06
Mar. 2	27.12	25	27.26	25	26.42	24	25.09
25	28.26	30	27.58	Oct. 1	26.22	28	24.80
Apr. 1	26.83						

887. (C) F. H. Haiber. NE cor. NW $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 111 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.72 below lsd, May 27, 1940; lowest 33.33 below lsd, Aug. 1, 1956. Records available: 1939-59.

Jan. 2	28.48	May 1	27.60	July 31	26.73	Nov. 2	26.28
30	29.68	June 1	27.42	Sept. 1	27.50	Dec. 1	25.91
Mar. 2	27.71	30	28.36	Oct. 1	27.10	28	25.58
Apr. 1	27.37						

888. (C) C. K. Ellis. NW cor. NW $\frac{1}{4}$ sec. 17, T. 23 S., R. 2 W. Drilled unused water-table well in Pleistocene sand, diameter $1\frac{1}{4}$ inches, depth 12 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 0.35 below lsd, Nov. 7, 1951; lowest dry, Apr. 2, 1957. Records available: 1939-59.

Jan. 2	1.86	May 1	6.69	July 31	5.60	Nov. 2	7.39
30	1.33	June 1	5.90	Sept. 1	7.50	Dec. 1	7.54
Mar. 2	0.89	30	3.63	Oct. 1	8.41	28	7.53
Apr. 1	7.32						

889. (C) C. K. Ellis. NW cor. NW $\frac{1}{4}$ sec. 17, T. 23 S., R. 2 W. Drilled unused water-table well in Pleistocene sand, diameter $1\frac{1}{4}$ inches, depth 151 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.16 below lsd, Apr. 1, 1959; lowest 16.35 below lsd, Aug. 31, 1956. Records available: 1939-59.

Jan. 2	6.60	May 1	1.18	July 31	7.45	Nov. 2	8.23
30	7.26	June 1	0.29	Sept. 1	8.72	Dec. 1	8.33
Mar. 2	7.46	30	6.45	Oct. 1	8.90	28	8.45
Apr. 1	0.16						

890a. (C) J. F. Jorgenson. NE cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 4.26 below lsd, Oct. 2, 1958; lowest 9.94 below lsd, Nov. 1, 1956. Records available. 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	5.00	May 1	5.39	July 31	5.83	Nov. 2	5.16
30	5.20	June 1	5.39	Sept. 1	6.39	Dec. 1	5.49
Mar. 2	6.19	30	5.85	Oct. 1	5.76	28	5.71
Apr. 1	5.23						

891. (C) Arthur McMurry. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 24 S., R. 3 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 7 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 0.46 below lsd, May 11, 1942; lowest dry, July 2, Aug. 31, Oct. 1, 1956. Records available: 1939-59.

Jan. 1	3.30	May 1	2.43	July 31	3.20	Nov. 2	2.49
30	3.20	June 1	3.03	Sept. 1	3.94	Dec. 1	3.11
Mar. 2	3.13	30	3.63	Oct. 1	1.32	28	3.36
Apr. 1	3.20						

892. (C) Arthur McMurry. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 106 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.15 above lsd, May 12, 1944; lowest 5.88 below lsd, Oct. 1, 1956. Records available: 1939-59.

Jan. 1	2.60	May 1	2.70	July 31	2.46	Nov. 2	1.80
30	2.50	June 1	2.30	Sept. 1	3.28	Dec. 1	2.43
Mar. 2	2.54	30	2.89	Oct. 1	0.83	28	2.40
Apr. 1	2.38						

893. (C) Arthur McMurry. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 163 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 0.48 above lsd, July 9, 1951; lowest 5.42 below lsd, Oct. 1, 1956. Records available: 1939-59.

Jan. 1	2.34	May 1	2.45	July 1	2.28	Nov. 2	1.61
30	2.26	June 1	2.09	Sept. 1	2.98	Dec. 1	2.18
Mar. 2	2.21	30	2.65	Oct. 1	0.89	28	1.88
Apr. 1	2.13						

894. (C) H. A. Lawrence. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 59 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 9.56 below lsd, May 27, 1940; lowest 34.40 below lsd, Apr. 2, 1957. Records available: 1938-59.

Jan. 2	32.02	May 1	31.81	July 31	31.62	Nov. 2	31.31
30	31.91	June 1	31.70	Sept. 1	31.32	Dec. 1	30.93
Mar. 2	31.81	30	31.74	Oct. 1	31.48	28	30.65
Apr. 1	31.63						

1053-B. (C) J. H. Workentine. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of 1 $\frac{1}{4}$ -inch union, 0.30 foot above lsd. Highest water level 6.67 below lsd, July 9, 1951; lowest 19.41 below lsd, Dec. 31, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	9.45	May 1	8.57	July 31	10.46	Nov. 2	13.61
30	9.67	June 1	7.66	Sept. 1	12.27	Dec. 1	13.72
Mar. 2	8.92	30	9.10	Oct. 1	13.79	28	13.75
Apr. 1	8.64						

1173. (C) City of Wichita. NE cor. NE $\frac{1}{4}$ sec. 29, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 26 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.64 below lsd, July 9, 1951; lowest 24.25 below lsd, May 31, 1957. Records available: 1950-59.

Jan. 1	21.07	May 1	21.87	July 31	22.28	Nov. 2	22.19
30	21.88	June 1	22.06	Sept. 1	22.39	Dec. 1	22.32
Mar. 2	21.82	30	22.14	Oct. 1	22.45	28	22.60
Apr. 1	21.79						

1174. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 32, T. 24 S., R. 1 W. Driven observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.28 below lsd, May 1, 1945; lowest 22.73 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1940-49, 1954-59.

Jan. 1	18.06	May 1	18.52	July 31	17.84	Nov. 2	16.87
30	18.43	June 1	18.08	Sept. 1	17.89	Dec. 1	17.12
Mar. 2	18.40	30	18.03	Oct. 1	17.95	28	17.12
Apr. 1	18.38						

1175. (C) City of Wichita. SE cor. SE $\frac{1}{4}$ sec. 30, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.80 below lsd, July 9, 1951; lowest 20.50 below lsd, May 1, 1957. Records available: 1950-59.

Jan. 1	15.54	May 1	16.52	July 31	15.53	Nov. 2	14.72
30	16.03	June 1	15.65	Sept. 1	15.88	Dec. 1	15.26
Mar. 2	17.21	30	16.10	Oct. 1	16.22	28	15.45
Apr. 1	16.22						

1179. (C) City of Wichita. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot

above lsd. Highest water level 8.25 below lsd, Oct. 2, 1951; lowest 21.76 below lsd, Oct. 1, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.18	May 1	18.05	July 31	17.74	Nov. 2	17.52
	30 17.43	June 1	16.82	Sept. 1	18.10	Dec. 1	17.82
Mar. 2	17.55		30 16.80	Oct. 1	18.29	28	17.95
Apr. 1	17.32						

1186. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 13, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.25 below lsd, Sept. 7, 1951; lowest 24.67 below lsd, Mar. 1, 1957. Records available: 1941-59.

Jan. 1	18.93	May 1	19.56	July 31	19.45	Nov. 2	18.95
	30 19.19	June 1	19.11	Sept. 1	19.67	Dec. 1	19.04
Mar. 2	19.30		30 19.52	Oct. 1	19.80	28	19.07
Apr. 1	19.39						

1187. (C) City of Wichita. NW cor. NW $\frac{1}{4}$ sec. 29, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 39 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.30 below lsd, July 9, 1951; lowest 20.48 below lsd, Dec. 31, 1956. Records available: 1941-59.

Jan. 1	13.13	May 1	13.85	July 31	12.95	Nov. 2	12.29
	30 13.52	June 1	12.35	Sept. 1	14.20	Dec. 1	12.93
Mar. 2	13.58		30 13.71	Oct. 1	14.17	28	13.27
Apr. 1	13.67						

1189. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.50 below lsd, Apr. 26, 1942; lowest 27.38 below lsd, Apr. 2, 1957. Records available: 1941-46, 1949-59.

Jan. 1	24.00	May 1	24.58	July 31	24.31	Nov. 2	22.87
	30 24.23	June 1	24.30	Sept. 1	24.76	Dec. 1	22.69
Mar. 2	24.41		30 24.75	Oct. 1	23.70	28	22.52
Apr. 1	24.58						

1190. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 39.6 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 14.14 below lsd, July 9, 1951; lowest 32.99 below lsd, May 1, 1957. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	27.41	May 1	28.02	July 31	27.98	Nov. 2	27.66
30	27.88	June 1	28.03	Sept. 1	28.15	Dec. 1	27.58
Mar. 2	27.89	30	28.02	Oct. 1	28.19	28	27.46
Apr. 1	27.89						

1191. (C) City of Wichita. SW cor. sec. 27, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.12 below lsd, July 3, 1957; lowest 19.63 below lsd, Aug. 31, 1956. Records available: 1950-59.

Jan. 1	14.15	May 1	14.04	July 31	13.25	Nov. 2	12.41
30	15.10	June 1	12.12	Sept. 1	14.30	Dec. 1	12.82
Mar. 2	14.92	30	13.35	Oct. 1	14.08	28	13.16
Apr. 1	14.28						

1193. (C) J. W. McElwain. SE¼ NE¼ NE¼ sec. 24, T. 23 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 23 feet. Measuring point, bottom valve seat of pump, 2.35 feet above lsd. Highest water level 2.64 below lsd, Apr. 1, 1952; lowest 11.68 below lsd, June 28, 1950. Records available: 1950-59.

Jan. 1	6.10	May 1	5.81	July 31	6.12	Nov. 2	6.75
30	6.35	June 1	4.80	Sept. 1	6.90	Dec. 1	7.24
Mar. 2	5.89	30	5.43	Oct. 1	7.34	28	7.55
Apr. 1	5.79						

1194. (C) Byron Wood. NE¼ SW¼ SW¼ sec. 14, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 21 feet. Measuring point, bottom valve seat of pump, 2.19 feet above lsd. Highest water level 2.14 below lsd, Mar. 31, 1952; lowest 12.67 below lsd, Aug. 1, 1956. Records available: 1941, 1950, 1952-59.

Jan. 2	5.37	May 1	5.34	July 31	5.71	Nov. 2	7.84
30	5.81	June 1	3.83	Sept. 1	6.97	Dec. 1	8.24
Mar. 2	5.06	30	4.92	Oct. 1	8.08	28	8.41
Apr. 1	5.46						

1196. (C) Maggie Vollwieder. SE cor. sec. 27, T. 24 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 19 feet. Measuring point, lower check valve, 2.10 feet above lsd. Highest water level 2.17 below lsd, June 3, 1952; lowest 7.86 below lsd, Dec. 28, 1957. Records available: 1941, 1952-59.

Jan. 2	3.41	May 1	3.79	July 31	4.14	Nov. 2	3.30
30	3.57	June 1	3.49	Sept. 1	4.58	Dec. 1	3.64
Mar. 2	3.57	30	4.04	Oct. 1	4.34	28	3.90
Apr. 1	3.68						

2072. (C) Peter Hoops and others. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 46 feet. Measuring point, top of casing, 0.60 foot above lsd. Highest water level 27.09 below lsd, May 5, 1947; lowest 40.65 below lsd, Mar. 2, 1959. Records available: 1941-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	40.19	May 1	40.28	July 31	40.37	Nov. 2	40.40
30	40.16	June 1	40.30	Sept. 1	40.41	Dec. 1	40.38
Mar. 2	40.65	30	40.39	Oct. 1	40.42	28	40.10
Apr. 1	40.23						

2084. (C) Mrs. Emma Linn Webster. SE cor. sec. 15, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 30 feet. Measuring point, top of casing, at land surface. Highest water level 2.79 below lsd, Oct. 2, 1951; lowest 29.22 below lsd, Apr. 2, 1957. Records available: 1950-59.

Jan. 2	23.27	May 1	24.21	July 31	23.68	Nov. 2	23.46
Mar. 2	23.90	June 1	23.96	Sept. 1	23.92	Dec. 1	23.54
Apr. 1	24.13	30	23.95	Oct. 1	24.19	28	16.60

2088. (C) City of Wichita. NW cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 37 feet. Well located in dry creek bed. Measuring point, top of pipe, 1.00 foot above lsd since Sept. 25, 1952. Measurements published for period Sept. 25, 1952 through 1958 should be corrected by subtracting 0.20 foot. Highest water level 3.70 below lsd, Apr. 28, 1944; lowest 25.79 below lsd, Mar. 1, 1957. Records available: 1944-46, 1949-59.

Jan. 2	20.38	May 1	20.69	July 31	21.12	Nov. 2	19.90
30	20.85	June 1	20.82	Sept. 1	21.04	Dec. 1	19.87
Mar. 2	21.04	30	21.14	Oct. 1	20.93	28	19.96
Apr. 1	21.20						

3001. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 48 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 19.12 below lsd, Sept. 30, 1955; lowest 30.12 below lsd, Aug. 31, 1956. Records available: 1951-59.

Jan. 2	27.16	May 1	27.08	July 31	27.21	Nov. 2	27.31
30	27.61	June 1	27.18	Sept. 1	27.72	Dec. 1	27.58
Mar. 2	27.52	30	26.94	Oct. 1	27.60	28	27.77
Apr. 1	27.20						

3002. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age,

diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.38 below lsd, Oct. 1, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	5.42	May 1	6.27	July 31	6.24	Nov. 2	6.38
30	5.78	June 1	5.91	Sept. 1	6.62	Dec. 1	6.45
Mar. 2	5.95	30	6.17	Oct. 1	7.16	28	6.77
Apr. 1	6.12						

3003. (C) City of Wichita. SW¼ SE¼ SE¼ sec. 32, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 0.67 below lsd, July 9, 1951; lowest 16.58 below lsd, Sept. 1, 1959. Records available: 1950-59.

Jan. 2	4.95	May 1	5.83	July 31	5.79	Nov. 1	6.09
30	5.21	June 1	5.39	Sept. 1	16.58	Dec. 1	6.29
Mar. 2	5.39	30	5.73	Oct. 1	7.03	28	6.46
Apr. 1	5.47						

3005. (C) Sally McFarland and others. SE¼ SW¼ sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 40.71 below lsd, Nov. 2, 1959; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-59.

Jan. 2	46.14	May 1	45.95	July 31	46.25	Nov. 2	40.71
30	48.43	June 1	42.73	Sept. 1	45.29	Dec. 1	41.44
Mar. 2	49.18	30	45.49	Oct. 1	43.08	28	43.96
Apr. 1	47.39						

3031. (C) City of Wichita. NE cor. sec. 24, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.82 below lsd, Oct. 2, 1951; lowest 21.10 below lsd, Apr. 2, 1957. Records available: 1950-59.

Jan. 2	16.99	May 1	17.83	July 31	18.31	Nov. 2	20.04
30	17.25	June 1	17.68	Sept. 1	18.65	Dec. 1	19.20
Mar. 2	17.39	30	18.03	Oct. 1	18.99	28	19.43
Apr. 1	17.64						

3032. (C) City of Wichita. SW cor. sec. 24, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 13.03 below lsd, Nov. 7, 1951; lowest 28.75 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	23.88	May 1	24.82	July 31	24.63	Nov. 2	24.37
30	24.56	June 1	24.68	Sept. 1	24.68	Dec. 1	24.87
Mar. 2	24.64	30	24.65	Oct. 1	24.62	28	23.65
Apr. 1	24.69						

3033. (C) City of Wichita. SW cor. sec. 2, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.77 below lsd, Aug. 1, 1951; lowest 31.69 below lsd, May 1, 1957. Records available: 1950-59.

Jan. 2	23.25	May 1	23.66	July 31	23.03	Nov. 2	22.46
30	23.64	June 1	22.76	Sept. 1	24.57	Dec. 1	21.45
Mar. 2	23.65	30	23.21	Oct. 1	23.65	28	22.29
Apr. 1	23.48						

3034. (C) City of Wichita. SW¼ SW¼ sec. 28, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.35 below lsd, July 9, 1951; lowest 9.01 below lsd, Oct. 1, 1956. Records available: 1950-59.

Jan. 2	4.64	Apr. 1	4.76	June 30	5.24	Nov. 2	4.02
30	4.71	May 1	4.90	July 31	4.91	Dec. 1	4.46
Mar. 2	4.70	June 1	4.77	Sept. 1	5.48	28	4.72

3035. (C) City of Wichita. SE¼ SE¼ sec. 34, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 8.16 below lsd, Nov. 1, 1950; lowest 20.77 below lsd, Apr. 2, 1957. Records available: 1950-59.

Jan. 2	16.88	May 1	16.74	July 31	16.88	Nov. 2	17.28
30	16.67	June 1	16.73	Sept. 1	16.99	Dec. 1	17.44
Mar. 2	16.63	30	16.82	Oct. 1	17.23	28	17.52
Apr. 1	16.65						

3036. (C) City of Wichita. SE¼ SW¼ SE¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 34.69 below lsd, Apr. 1, 1959. Records available: 1950-59.

Jan. 2	28.25	May 1	28.46	July 31	28.82	Nov. 2	29.59
30	28.68	June 1	28.45	Sept. 1	29.57	Dec. 1	29.65
Mar. 2	28.83	30	28.38	Oct. 1	29.68	28	29.72
Apr. 1	34.69						

3037. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 70 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 37.99 below lsd, Jan. 2, 1959; lowest 53.19 below lsd, Aug. 1, 1957. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	37.99	May 1	46.52	July 31	45.92	Nov. 2	41.46
30	40.26	June 1	44.03	Sept. 1	46.77	Dec. 1	42.12
Mar. 2	47.32	30	46.23	Oct. 1	43.52	28	45.18
Apr. 1	46.99						

3038. (C) Sally McFarland and others. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 23 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{2}$ inches, depth 70 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 36.04 below lsd, Jan. 3, 1951; lowest 52.98 below lsd, Aug. 1, 1956. Records available: 1950-59.

Jan. 2	43.60	Apr. 1	44.88	July 31	43.14	Nov. 2	40.28
30	41.84	May 1	43.98	Sept. 1	43.99	Dec. 1	40.32
Mar. 2	45.55	June 1	41.80	Oct. 1	41.92	28	41.96

3039. (C) George Lehman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 23 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 37 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 0.10 above lsd, Sept. 7, 1951; lowest 18.66 below lsd, Aug. 31, 1956. Records available: 1950-59.

Jan. 2	9.60	May 1	12.55	July 31	11.59	Nov. 2	10.91
30	13.09	June 1	10.93	Sept. 1	12.79	Dec. 1	11.18
Mar. 2	12.92	30	11.98	Oct. 1	12.80	28	11.18
Apr. 1	12.31						

**M-1 (C) City of Wichita. NW cor. NW $\frac{1}{4}$ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 222 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 18.56 below lsd, Apr. 13, 1939; lowest 112.50 below lsd, Sept. 2, 1958. Records available: 1939-59.

Feb. 2	88.50	May 1	34.50	July 31	35.00	Nov. 2	85.00
Mar. 2	90.00	June 1	90.00	Sept. 1	35.00	Dec. 1	86.00
Apr. 1	90.00	July 1	32.00	Oct. 1	33.50	31	35.00

**The prefix M indicates that the well is a City of Wichita municipal well. The suffix letter b designates a shallow observation well near the municipal well of the same number, and the suffix letter d indicates a deep observation well near the same well. The observation wells are from 200 to 500 feet from the pumped well; and generally where there are a shallow and deep observation well, they are adjacent.

M-1b. (C) City of Wichita. NW cor. NW $\frac{1}{4}$ sec. 29, T. 23 S., R. 2 W., 492 feet southwest of M-1. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 15.94 below lsd, June 3, 1940; lowest 41.72 below lsd, Aug. 1, 1957. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	36.45	May 1	30.01	July 31	31.03	Nov. 2	32.46
Mar. 2	37.85	June 1	33.85	Sept. 1	31.12	Dec. 1	33.12
Apr. 1	35.52	July 1	27.33	Oct. 1	29.37	31	30.93

M-2 (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 234 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 18.33 below lsd, May 4, 1939; lowest 168.00 below lsd, Sept. 30, 1955. Records available: 1939-59.

Feb. 2	50.00	May 1	125.00	July 31	144.00	Nov. 2	38.50
Mar. 2	112.00	June 1	41.50	Sept. 1	144.00	Dec. 1	40.00
Apr. 1	48.00	July 1	41.00	Oct. 2	143.50	31	143.00

M-2b. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 23 S., R. 2 W., 500 feet southwest of M-2. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 20.25 below lsd, May 27, 1940; lowest 50.49 below lsd, Aug. 1, 1957. Records available: 1939-59.

Feb. 2	43.94	May 1	40.55	July 31	39.54	Nov. 2	35.17
Mar. 2	43.79	June 1	37.83	Sept. 1	40.50	Dec. 1	36.92
Apr. 1	42.98	July 1	37.37	Oct. 1	36.61	31	39.79

M-3 (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 234 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 23.12 below lsd, May 27, 1940; lowest 106.00 below lsd, Aug. 1, 1957. Records available: 1939-59.

Feb. 2	103.00	May 1	47.50	July 31	44.00	Nov. 2	35.00
Mar. 2	48.50	June 1	41.50	Sept. 1	47.00	Dec. 1	40.50
Apr. 1	103.00	July 1	43.00	Oct. 1	34.00	31	37.00

M-3b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 23 S., R. 2 W., 500 feet southwest of M-3. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 23.91 below lsd, May 27, 1940; lowest 56.09 below lsd, Aug. 1, 1957. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	49.29	May 1	46.17	July 31	44.26	Nov. 2	38.59
Mar. 2	47.47	June 2	41.56	Sept. 1	46.13	Dec. 1	40.83
Apr. 1	48.22	July 1	43.18	Oct. 1	41.17	31	45.22

M-4. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 238 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 23.20 below lsd, May 8, 1939; lowest 126.50 below lsd, Aug. 2, 1954. Records available: 1939-59.

Feb. 2	115.00	May 1	112.00	July 31	122.00	Nov. 2	35.00
Mar. 2	115.00	June 1	40.00	Sept. 1	41.00	Dec. 1	35.00
Apr. 1	117.00	July 1	118.00	Oct. 1	39.00	31	43.00

M-4b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 23 S., R. 2 W., 462 feet southwest of M-4. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 97 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.13 below lsd, May 27, 1940; lowest 61.88 below lsd, Aug. 1, 1957. Records available: 1939-59.

Feb. 2	53.56	May 1	51.21	July 31	49.42	Nov. 2	37.90
Mar. 2	52.90	June 1	41.71	Sept. 1	47.18	Dec. 1	40.45
Apr. 1	52.22	July 1	48.72	Oct. 1	40.89	31	46.02

M-5. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 237 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 20.33 below lsd, May 16, 1939; lowest 150.00 below lsd, Mar. 1, 1955. Records available: 1939-59.

Feb. 2	44.00	May 1	130.00	July 31	38.00	Nov. 2	36.00
Mar. 2	42.00	June 1	136.00	Sept. 1	142.00	Dec. 1	38.00
Apr. 1	40.00	July 1	39.00	Oct. 1	37.00	31	120.00

M-5b. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 23 S., R. 2 W., 500 feet southwest of M-5. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 59 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.82 below lsd, May 27, 1940; lowest 43.00 below lsd, Feb. 27, 1947. Records available: 1939-59.

Feb. 2	37.75	May 1	37.32	July 31	37.10	Nov. 2	35.83
Mar. 2	37.29	June 1	36.70	Sept. 1	37.61	Dec. 1	37.05
Apr. 1	37.33	July 1	37.71	Oct. 1	36.91	31	37.19

M-6. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 23 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel of

Pleistocene age, diameter 18 inches, depth 257 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.10 below lsd, Apr. 2, 1951; lowest 133.00 below lsd, Sept. 2, 1958. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	44.00	May 1	47.91	July 31	42.00	Nov. 2	38.00
Mar. 2	43.00	June 1	43.00	Sept. 1	46.00	Dec. 1	82.50
Apr. 1	47.50	July 1	80.50	Oct. 1	39.50	31	44.00

M-6b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 23 S., R. 2 W., 500 feet northwest of M-6. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.46 below lsd, June 3, 1940; lowest 41.55 below lsd, July 31, 1953. Records available: 1939-59.

Feb. 2	39.52	May 1	38.66	July 31	38.72	Nov. 2	37.32
Mar. 2	38.89	June 1	38.24	Sept. 1	39.01	Dec. 1	38.54
Apr. 1	38.77	July 1	39.35	Oct. 1	38.52	31	38.35

M-7. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 24 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 257 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 15.93 below lsd, May 27, 1940; lowest 121.00 below lsd, Sept. 30, Nov. 11, Dec. 1, 1955. Records available: 1939-59.

Feb. 2	100.00	May 1	99.50	Sept. 1	102.00	Dec. 1	42.00
Mar. 2	99.00	June 2	98.50	Oct. 1	41.00	31	98.00
Apr. 1	48.00	July 31	100.50	Nov. 2	93.00		

M-7b. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 24 S., R. 2 W., 500 feet northeast of M-7. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 54 feet. Measuring point, top of pipe, 3.87 feet above lsd since Oct. 10, 1957. Highest water level 13.30 below lsd, June 3, 1940; lowest 40.51 below lsd, Dec. 5, 1957. Records available: 1939-59.

Feb. 2	36.26	May 1	35.51	July 31	35.58	Nov. 2	34.54
Mar. 2	35.83	June 1	35.21	Sept. 1	35.55	Dec. 1	34.92
Apr. 1	35.58	July 1	35.74	Oct. 1	35.61	31	34.76

M-7d. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 24 S., R. 2 W., 250 feet from M-7. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 255 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 42.55 below lsd, Oct. 1, 1959; lowest 65.84 below lsd, Jan. 31, 1958. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level
July 30, 1957	44.00	Aug. 1, 1958	47.26	May 1, 1959	61.39
Dec. 5	64.43	Sept. 2	47.75	June 1	58.36
Jan. 2, 1958	47.35	Oct. 2	62.50	July 1	55.22
31	65.84	31	47.42	31	60.94
Mar. 3	48.53	Dec. 1	64.81	Sept. 1	61.91
Apr. 1	48.17	31	46.65	Oct. 1	42.55
May 1	63.35	Feb. 2, 1959	62.16	Nov. 2	53.04
June 2	64.77	Mar. 2	60.34	Dec. 1	44.51
July 1	65.12	Apr. 1	49.23	31	60.54

M-8. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 248 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.82 below lsd, May 27, 1940; lowest 88.00 below lsd, Aug. 31, 1956. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	36.48	May 1	67.50	July 31	36.00	Nov. 2	34.50
Mar. 2	35.99	June 1	35.50	Sept. 1	34.00	Dec. 1	37.00
Apr. 1	37.02	July 1	35.50	Oct. 1	35.00	31	35.00

M-8b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W., 500 feet southwest of M-8. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 9.12 below lsd, May 27, 1940; lowest 37.02 below lsd, July 1, 1958. Records available: 1939-59.

Feb. 2	34.05	May 1	33.62	July 31	33.19	Nov. 2	32.53
Mar. 2	33.80	June 1	33.17	Sept. 1	32.36	Dec. 1	32.42
Apr. 1	33.55	July 1	32.93	Oct. 1	32.78	31	31.60

M-9. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 228 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.11 below lsd, May 27, 1940; lowest 77.50 below lsd, Mar. 1, 1956: Records available: 1939-59.

Feb. 2	68.00	May 1	66.50	July 31	67.50	Nov. 2	69.00
Mar. 2	68.00	June 1	67.00	Sept. 1	32.00	Dec. 1	68.00
Apr. 1	68.00	July 1	67.00	Oct. 1	67.00	31	66.00

M-9b. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W., 500 feet northwest of M-9. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.67 below lsd, May 27, 1940; lowest 36.33 below lsd, Nov. 30, 1956. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	33.85	May 1	33.17	July 31	33.01	Nov. 2	32.43
Mar. 2	33.65	June 1	33.09	Sept. 1	31.49	Dec. 1	31.49
Apr. 1	33.25	July 1	33.17	Oct. 1	32.42	31	31.11

M-10. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 259 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 12.05 below lsd, May 27, 1940; lowest 99.50 below lsd, Jan. 31, Mar. 3, 1958. Records available: 1939-59.

Feb. 2	43.00	May 1	41.50	July 31	39.00	Nov. 2	36.00
Mar. 2	41.00	June 1	40.00	Sept. 1	37.00	Dec. 1	39.00
Apr. 1	99.00	July 1	41.00	Oct. 1	37.00	31	38.00

M-10b. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W., 500 feet northwest of M-10. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 10.44 below lsd, May 27, 1940; lowest 39.45 below lsd, July 1, 1958. Records available: 1939-59.

Jan. 2	36.81	May 1	35.26	July 31	34.99	Nov. 2	34.04
Feb. 2	36.31	June 1	34.90	Sept. 1	34.60	Dec. 1	34.09
Mar. 2	35.80	July 1	36.78	Oct. 1	34.65	31	33.61
Apr. 1	36.09						

M-10d. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W., 150 feet from M-10. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 230 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 38.09 below lsd, Nov. 2, 1959; lowest 65.14 below lsd, Dec. 5, 1957. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1957	65.14	Sept. 2, 1958	45.23	June 1, 1959	39.62
Jan. 2, 1958	64.27	Oct. 31	59.83	July 1	42.60
Mar. 3	64.05	Dec. 1	60.10	31	40.40
Apr. 1	61.04	Jan. 2, 1959	55.68	Sept. 1	41.31
May 1	44.60	Feb. 2	44.03	Oct. 1	40.18
June 2	63.42	Mar. 2	41.40	Nov. 2	38.09
July 1	62.85	Apr. 1	56.22	Dec. 1	38.23
Aug. 1	45.74	May 1	42.34	31	38.10

M-11. (C) City of Wichita. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 248 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.74 below lsd, May 27, 1940; lowest 92.00 below lsd, Sept. 30, 1955. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	39.00	May 1	86.50	July 31	90.00	Nov. 2	34.50
Feb. 2	88.00	June 1	36.40	Sept. 1	35.00	Dec. 1	34.50
Mar. 2	88.00	July 1	36.00	Oct. 1	35.50	31	87.00
Apr. 1	37.12						

M-11b. (C) City of Wichita. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W., 500 feet southwest of M-11. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot below lsd. Highest water level 8.49 below lsd, May 27, 1940; lowest 41.20 below lsd, Oct. 1, 1956. Records available: 1939-59.

Jan. 2	37.91	May 1	36.78	July 31	36.54	Nov. 2	35.04
Feb. 2	37.68	June 1	36.12	Sept. 1	35.61	Dec. 1	34.43
Mar. 2	37.32	July 1	36.24	Oct. 1	35.32	31	34.40
Apr. 1	36.60						

M-12 (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 11.41 below lsd, Aug. 21, 1939; lowest 103.00 below lsd, May 31, Sept. 2, 1957. Records available: 1939-59.

Jan. 2	95.00	May 1	38.00	July 31	36.00	Nov. 2	95.00
Feb. 2	94.00	June 1	94.00	Sept. 1	95.00	Dec. 1	94.00
Mar. 2	38.00	July 1	93.00	Oct. 1	95.00	31	35.50
Apr. 1	39.00						

M-12b. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W., 500 feet southwest of M-12. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 47.92 below lsd, Dec. 1, 1958. Records available: 1939-59.

Jan. 2	42.62	May 1	38.50	July 31	36.97	Nov. 2	40.16
Feb. 2	42.35	June 1	39.95	Sept. 1	41.45	Dec. 1	38.83
Mar. 2	38.05	July 1	41.99	Oct. 1	41.29	31	35.97
Apr. 1	38.34						

M-13. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 245 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 73.50 below lsd, May 1, 1957. Records available: 1939-59.

Jan. 2	70.00	May 1	68.50	July 31	33.00	Nov. 2	31.50
Feb. 2	68.50	June 1	68.00	Sept. 1	67.00	Dec. 1	31.50
Mar. 2	68.00	July 1	68.00	Oct. 1	67.00	31	66.00
Apr. 1	68.00						

M-13b. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 24 S., R. 2 W., 500 feet northeast of M-13. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.63 below lsd, May 27, 1940; lowest 37.56 below lsd, Aug. 31, 1956. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	34.65	May 1	33.53	July 31	32.89	Nov. 2	32.08
Feb. 2	34.46	June 1	33.53	Sept. 1	32.91	Dec. 1	31.34
Mar. 2	34.23	July 1	33.45	Oct. 1	32.85	31	31.10
Apr. 1	33.72						

M-14. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 102 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.07 below lsd, May 27, 1940; lowest 70.00 below lsd, July 31, 1959. Records available: 1939-59.

Jan. 2	38.50	May 1	65.50	July 31	70.00	Nov. 2	35.00
Feb. 2	37.00	June 1	35.00	Sept. 1	34.50	Dec. 1	34.00
Mar. 2	37.00	July 1	35.50	Oct. 1	34.00	31	32.00
Apr. 1	36.00						

M-14b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W., 500 feet northwest of M-14. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 49.26 below lsd, July 1, 1958. Records available: 1939-59.

Jan. 2	36.92	May 1	34.51	July 31	34.29	Nov. 2	34.28
Feb. 2	35.28	June 1	34.12	Sept. 1	33.93	Dec. 1	32.42
Mar. 2	35.69	July 1	34.42	Oct. 1	33.41	31	31.53
Apr. 1	34.49						

M-15. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 122 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 11.03 below lsd, June 13, 1939; lowest 68.00 below lsd, May 1, 1957, Mar. 3, 1958. Records available: 1939-59.

Jan. 2	60.00	May 1	38.50	July 31	34.13	Nov. 2	32.52
Feb. 2	60.00	June 1	64.00	Sept. 1	33.72	Dec. 1	32.00
Mar. 2	64.50	July 1	40.00	Oct. 1	33.32	31	31.79
Apr. 1	64.00						

M-15b. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W., 500 feet northwest of M-15. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring

point, top of pipe, 0.80 foot above lsd. Highest water level 11.24 below lsd, Aug. 21, 1939; lowest 40.12 below lsd, Mar. 1, 1957. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	35.08	May 1	36.22	July 31	33.87	Nov. 2	32.38
Feb. 2	35.63	June 1	35.92	Sept. 1	33.52	Dec. 1	31.79
Mar. 2	36.76	July 1	36.33	Oct. 1	33.14	31	31.55
Apr. 1	36.48						

M-16. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.92 below lsd, Apr. 17, 1939; lowest 105.50 below lsd, June 1, 1955. Records available: 1939-59.

Jan. 2	42.00	May 1	66.00	July 31	65.00	Nov. 2	34.00
Feb. 2	38.68	June 1	35.02	Sept. 1	66.00	Dec. 1	33.00
Mar. 2	40.50	July 1	35.00	Oct. 1	34.00	31	33.00
Apr. 1	66.50						

M-16b. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W., 500 feet northeast of M-16. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 13.45 below lsd, May 27, 1940; lowest 47.30 below lsd, Aug. 1, 1956. Records available: 1939-59.

Jan. 2	37.82	May 1	38.81	July 31	37.20	Nov. 2	34.15
Feb. 2	37.93	June 1	34.39	Sept. 1	37.98	Dec. 1	32.93
Mar. 2	37.61	July 1	35.27	Oct. 1	34.21	31	33.02
Apr. 1	38.20						

M-17. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.71 below lsd, Aug. 21, 1939; lowest 90.00 below lsd, July 1, 1958. Records available: 1939-59.

Feb. 2	80.00	May 1	34.00	July 31	35.00	Nov. 2	84.00
Mar. 2	80.00	June 1	36.00	Sept. 1	35.50	Dec. 1	33.50
Apr. 1	36.00	July 1	35.00	Oct. 1	34.00	31	32.50

M-17b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 24 S., R. 2 W., 500 feet northeast of M-17. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 56 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.02 below lsd, May 27, 1940; lowest 38.28 below lsd, May 31, 1957. Records available: 1939-59.

Feb. 2	35.04	May 1	34.85	July 31	34.25	Nov. 2	33.59
Mar. 2	35.38	June 1	34.57	Sept. 1	34.09	Dec. 1	33.18
Apr. 1	35.08	July 1	34.64	Oct. 1	33.88	31	32.82

M-18. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 186 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 6.58 below lsd, Aug. 21, 1939; lowest 68.00 below lsd, Oct. 1, 1954. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	64.00	May 1	64.00	July 31	64.50	Nov. 2	63.00
Mar. 2	64.00	June 1	64.00	Sept. 1	64.00	Dec. 1	62.50
Apr. 1	64.00	July 1	64.50	Oct. 1	64.00	31	27.50

M-18b. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 24 S., R. 2 W., 500 feet northeast of M-18. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.01 below lsd, Aug. 21, 1939; lowest 35.48 below lsd, Mar. 1, 1956. Records available: 1939-59.

Feb. 2	26.23	May 1	26.78	July 31	26.43	Nov. 2	24.73
Mar. 2	26.23	June 1	26.39	Sept. 1	26.09	Dec. 3	24.81
Apr. 1	26.59	July 1	26.64	Oct. 1	26.14	31	24.66

M-19. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 158 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.00 below lsd, Aug. 21, 1939; lowest 71.00 below lsd, Oct. 1, 1956. Records available: 1939-59.

Feb. 2	29.50	May 1	29.50	July 31	56.00	Nov. 2	28.00
Mar. 2	29.00	June 1	54.00	Sept. 1	30.00	Dec. 3	28.00
Apr. 1	27.00	July 1	29.00	Oct. 1	29.00	31	53.00

M-19b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 24 S., R. 2 W., 500 feet southwest of M-19. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 9.38 below lsd, Aug. 21, 1939; lowest 37.58 below lsd, May 1, 1957. Records available: 1939-59.

Feb. 2	28.26	May 1	28.16	July 31	32.75	Nov. 2	27.74
Mar. 2	28.33	June 1	32.14	Sept. 1	29.08	Dec. 3	27.46
Apr. 1	28.25	July 1	28.45	Oct. 1	28.07	31	31.82

M-20. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.82 below lsd, Aug. 21, 1939; lowest 88.00 below lsd, Mar. 1, 1956. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	59.50	May 1	58.00	July 31	30.00	Nov. 2	56.00
Mar. 2	59.00	June 1	30.00	Sept. 1	58.00	Dec. 1	56.00
Apr. 1	59.50	July 1	58.00	Oct. 1	30.00	31	30.00

M-20b. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 24 S., R. 2 W., 500 feet northwest of M-20. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.47 below lsd, Aug. 21, 1939; lowest 35.86 below lsd, Mar. 1, 1956. Records available: 1939-59.

Feb. 2	30.58	May 1	30.39	July 31	30.01	Nov. 2	29.40
Mar. 2	31.05	June 1	29.96	Sept. 1	30.26	Dec. 1	29.02
Apr. 1	31.02	July 1	30.23	Oct. 1	29.71	31	29.07

M-21. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 65.00 below lsd, Oct. 31, 1958. Records available: 1939-59.

Feb. 2	30.50	May 1	30.50	July 31	27.01	Dec. 1	24.25
Mar. 2	31.00	June 1	24.00	Sept. 1	26.32	31	22.00
Apr. 1	31.00	July 1	27.35				

M-21b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 24 S., R. 2 W., 500 feet northwest of M-21. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.08 below lsd, Aug. 21, 1939; lowest 31.65 below lsd, May 1, 1957. Records available: 1939-59.

Feb. 2	27.50	May 1	27.32	July 31	27.12	Nov. 2	26.66
Mar. 2	27.59	June 1	27.19	Sept. 1	27.05	Dec. 1	26.34
Apr. 1	27.50	July 1	27.24	Oct. 1	26.93	31	26.26

M-22. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 82 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, Aug. 21, 1939; lowest 68.00 below lsd, July 31, Sept. 1, 1959. Records available: 1939-59.

Feb. 2	64.00	May 1	30.00	July 31	68.00	Nov. 2	28.50
Mar. 2	31.50	June 1	66.00	Sept. 1	68.00	Dec. 1	29.00
Apr. 1	30.50	July 1	31.00	Oct. 1	30.00	31	63.00

M-22b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 24 S., R. 2 W., 500 feet southwest of M-22. Drilled observation water-table well in sand and

gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 50 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 9.28 below lsd, Aug. 21, 1939; lowest 34.04 below lsd, Aug. 1, 1957. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	31.64	May 1	29.55	July 31	30.14	Nov. 12	28.26
Mar. 2	30.83	June 1	30.28	Sept. 1	29.88	Dec. 1	28.27
Apr. 1	30.32	July 1	29.38	Oct. 1	29.11	31	28.94

M-23. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 205 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.85 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Mar. 31, 1952. Records available: 1939-59.

Feb. 2	67.00	May 1	62.00	July 31	61.00	Nov. 2	28.00
Mar. 2	31.00	June 1	60.00	Sept. 1	62.00	Dec. 1	28.00
Apr. 1	62.00	July 1	60.00	Oct. 1	28.50	31	29.00

M-23b. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 24 S., R. 2 W., 500 feet northeast of M-23. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.50 below lsd, Aug. 21, 1939; lowest 32.71 below lsd, May 1, 1957. Records available: 1939-59.

Feb. 2	28.53	May 1	28.02	July 31	27.46	Nov. 2	26.36
Mar. 2	28.35	June 1	27.97	Sept. 1	27.23	Dec. 1	25.99
Apr. 1	28.17	July 1	27.67	Oct. 1	26.69	31	25.68

M-24. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 97 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.71 below lsd, Aug. 21, 1939; lowest 64.50 below lsd, Mar. 1, 1957. Records available: 1939-59.

Feb. 2	30.00	May 1	29.00	July 31	27.00	Nov. 2	27.50
Mar. 2	43.00	June 1	28.00	Sept. 1	27.00	Dec. 1	45.00
Apr. 1	29.00	July 1	28.00	Oct. 1	27.31	31	26.50

M-24b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 24 S., R. 2 W., 500 feet southwest of M-24. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.17 below lsd, Aug. 28, 1939; lowest 37.05 below lsd, May 1, 1957. Records available: 1939-59.

Feb. 2	31.38	May 1	30.91	July 31	29.82	Nov. 2	29.46
Mar. 2	32.07	June 1	30.32	Sept. 1	29.58	Dec. 1	29.67
Apr. 1	31.06	July 1	30.04	Oct. 1	30.31	31	28.56

M-25. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 189 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 59.76 below lsd, Oct. 1, 1953. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	26.00	May 1	48.00	July 31	24.00	Nov. 2	23.00
Mar. 2	25.50	June 1	25.00	Sept. 1	48.00	Dec. 1	23.00
Apr. 1	25.50	July 1	24.50	Oct. 1	46.00	31	43.00

M-26. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 195 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 91.00 below lsd, May 2, 1955. Records available: 1949-59.

Feb. 2	71.00	May 1	66.00	July 31	67.50	Nov. 2	26.50
Mar. 2	27.50	June 1	64.50	Sept. 1	27.50	Dec. 1	26.00
Apr. 1	67.00	July 1	66.00	Oct. 1	28.00	31	27.00

M-26b. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 24 S., R. 2 W., 500 feet southwest of M-26. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 79 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 11.62 below lsd, July 7, 1948; lowest 31.14 below lsd, Apr. 1, 1957. Records available: 1947-59.

Feb. 2	26.15	May 1	26.18	July 31	25.89	Nov. 2	25.21
Mar. 2	25.70	June 1	25.76	Sept. 1	25.59	Dec. 1	24.69
Apr. 1	25.86	July 1	26.03	Oct. 1	25.62	31	24.77

M-41. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.50 feet above lsd. Highest water level 22.44 below lsd, Dec. 31, 1958; lowest 129.24 below lsd, Nov. 2, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
June 3, 1958	23.70	June 1, 1959	26.60	Oct. 1, 1959	127.98
Dec. 31	22.44	July 1	36.50	Nov. 2	129.24
Feb. 2, 1959	22.62	31	35.77	Dec. 1	126.10
Apr. 1	24.28	Sept. 1	126.52	31	128.01
May 1	37.97				

M-41b. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W., 240 feet northeast of M-41. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.60 below lsd, Nov. 1, 1958; lowest 13.63, Nov. 2, Dec. 31, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
June 18, 1958	12.65	Dec. 31, 1958	11.67	July 31, 1959	12.74
July 1	12.64	Feb. 2, 1959	11.63	Sept. 1	13.05
Aug. 1	13.17	Mar. 2	11.85	Oct. 1	13.41
Sept. 3	11.97	Apr. 1	12.18	Nov. 2	13.63
Oct. 2	11.74	May 1	12.58	Dec. 1	13.21
Nov. 1	11.60	June 1	12.63	31	13.63
Dec. 1	11.67	July 1	12.62		

M-41d. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W., 240 feet northeast of M-41. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 223 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.63 below lsd, May 1, 1959; lowest 66.69 below lsd, Nov. 2, 1959. Records available: 1957-59.

Dec. 20, 1957	26.10	Dec. 31, 1958	22.90	July 31, 1959	35.52
July 1, 1958	24.20	Feb. 2, 1959	22.93	Sept. 1	35.52
Aug. 1	23.67	Mar. 2	58.94	Oct. 1	63.47
Sept. 3	23.59	Apr. 1	24.68	Nov. 2	66.69
Oct. 2	23.39	May 1	17.63	Dec. 1	61.72
Nov. 1	23.17	June 1	36.32	31	63.11
Dec. 1	23.04	July 1	36.23		

M-42. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 259 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 24.50 below lsd, Dec. 31, 1958; lowest 115.87 below lsd, Nov. 2, 1959. Records available: 1958-59.

May 26, 1958	25.70	June 1, 1959	113.25	Oct. 1, 1959	41.35
Dec. 31	24.50	July 1	113.18	Nov. 2	115.87
Feb. 2, 1959	24.68	31	112.42	Dec. 1	39.53
Apr. 1	28.20	Sept. 1	39.69	31	42.62
May 1	114.70				

M-42b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W., 240 feet southeast of M-42. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.46 below lsd, Oct. 2, 1958; lowest 23.46 below lsd, Nov. 1, 1958. Records available: 1958-59.

June 10, 1958	14.48	Dec. 31, 1958	13.62	July 31, 1959	15.46
July 1	14.76	Feb. 2, 1959	13.76	Sept. 1	15.82
Aug. 1	13.74	Mar. 2	14.22	Oct. 1	16.30
Sept. 3	13.77	Apr. 1	14.98	Nov. 2	16.57
Oct. 2	13.46	May 1	15.78	Dec. 1	16.48
Nov. 1	23.46	June 1	15.10	31	16.66
Dec. 1	13.56	July 1	15.03		

M-42d. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W., 240 feet southeast of M-42. Drilled observation water-table well in sand and

gravel of Pleistocene age, diameter 1¼ inches, depth 247 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.75 below lsd, Dec. 31, 1958; lowest 71.03 below lsd, Nov. 2, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
June 10, 1958	26.17	Dec. 31, 1958	24.75	July 31, 1959	65.75
July 1	26.11	Feb. 2, 1959	25.03	Sept. 1	39.35
Aug. 1	25.48	Mar. 2	65.70	Oct. 1	41.28
Sept. 3	25.37	Apr. 1	29.02	Nov. 2	71.03
Oct. 2	25.20	May 1	69.69	Dec. 1	39.44
Nov. 1	25.00	June 1	66.89	31	42.76
Dec. 1	24.86	July 1	66.66		

M-43. (C) City of Wichita. SE¼ SE¼ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 244 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 13.20 below lsd, Feb. 2, 1959; lowest 68.31 below lsd, May 1, 1959. Records available: 1958-59.

May 16, 1958	15.60	June 1, 1959	17.37	Oct. 1, 1959	18.16
Feb. 2, 1959	13.20	July 1	17.45	Nov. 2	20.32
Mar. 2	17.27	31	18.88	Dec. 1	17.69
Apr. 1	66.32	Sept. 1	17.13	31	67.66
May 1	68.31				

M-43d. (C) City of Wichita. SE¼ SE¼ sec. 11, T. 24 S., R. 3 W., 240 feet southeast of M-43. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 235 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 21.33 below lsd, Nov. 1, 1958; lowest 52.23 below lsd, May 1, 1959. Records available: 1958-59.

May 27, 1958	24.29	Dec. 31, 1958	21.46	July 31, 1959	33.91
July 1	22.61	Feb. 2, 1959	22.06	Sept. 1	28.13
Aug. 1	21.73	Mar. 2	32.91	Oct. 1	29.85
Sept. 3	21.69	Apr. 1	40.96	Nov. 2	35.27
Oct. 2	21.47	May 1	52.23	Dec. 1	30.05
Nov. 1	21.33	June 1	34.23	31	46.62
Dec. 1	21.36	July 1	34.20		

M-44. (C) City of Wichita. SW¼ SE¼ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 143 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 9.10 below lsd, Dec. 31, 1958; lowest 45.12 below lsd, Nov. 2, 1959. Records available: 1958-59.

May 21, 1958	9.70	May 1, 1959	11.37	Oct. 1, 1959	11.93
Dec. 31	9.10	June 1	10.35	Nov. 2	45.12
Feb. 2, 1959	9.30	July 1	10.30	Dec. 1	45.02
Mar. 2	11.37	31	44.99	31	12.68
Apr. 1	10.85	Sept. 1	11.21		

M-44b. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W., 240 feet southwest of M-44. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.65 below lsd, Oct. 2, 1958; lowest 19.87 below lsd, Nov. 2, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
June 12, 1958	10.02	Dec. 31, 1958	9.11	July 31, 1959	19.31
July 1	10.16	Feb. 2, 1959	9.28	Sept. 1	11.14
Aug. 1	9.84	Mar. 2	11.33	Oct. 1	11.74
Sept. 3	9.09	Apr. 1	10.47	Nov. 2	19.87
Oct. 2	8.65	May 1	10.94	Dec. 1	19.69
Nov. 1	8.73	June 1	10.30	31	12.08
Dec. 1	9.01	July 1	10.24		

M-44d. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W., 240 feet southwest of M-44. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 114 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 9.40 below lsd, Oct. 2, 1958; lowest 23.55 below lsd, Nov. 2, 1959. Records available: 1958-59.

June 12, 1958	10.73	Dec. 31, 1958	9.77	July 31, 1959	22.99
July 1	10.84	Feb. 2, 1959	10.03	Sept. 1	11.80
Aug. 1	9.66	Mar. 2	12.93	Oct. 1	12.45
Sept. 3	9.85	Apr. 1	11.89	Nov. 2	23.55
Oct. 2	9.40	May 1	12.46	Dec. 1	23.13
Nov. 1	9.75	June 1	10.98	31	13.76
Dec. 1	9.72	July 1	10.73		

M-45. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 167 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 12.27 below lsd, Dec. 31, 1958; lowest 57.43 below lsd, Dec. 31, 1959. Records available: 1958-59.

May 13, 1958	12.40	May 1, 1959	13.15	Oct. 1	56.62
Dec. 31	12.27	June 1	51.18	Nov. 2	18.05
Feb. 2, 1959	12.50	July 1	54.23	Dec. 1	55.19
Mar. 2	12.76	31	55.35	31	57.43
Apr. 1	13.16	Sept. 1	54.01		

M-45b. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-45. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.64 below lsd, Oct. 2, 1958; lowest 13.02 below lsd, Oct. 1, 1959. Records available: 1958-59.

July 1, 1958	10.16	Feb. 2, 1959	9.56	July 31, 1959	11.90
Aug. 1	9.01	Mar. 2	9.75	Sept. 1	12.56
Sept. 3	9.22	Apr. 1	10.31	Oct. 1	13.02
Oct. 2	8.64	May 1	10.24	Nov. 2	12.39
Nov. 1	8.90	June 1	10.78	Dec. 1	12.34
Dec. 1	9.21	July 1	12.09	31	12.89
31	9.35				

M-45d. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-45. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 152 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.08 below lsd, Oct. 2, 1958; lowest 41.98 below lsd, Oct. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
July 1, 1958	15.59	Feb. 2, 1959	14.75	July 31, 1959	39.64
Aug. 1	14.40	Mar. 2	15.06	Sept. 1	36.60
Sept. 3	14.62	Apr. 1	15.36	Oct. 1	41.98
Oct. 2	14.08	May 1	15.22	Nov. 2	23.39
Nov. 1	14.15	June 1	32.34	Dec. 1	38.51
Dec. 1	14.40	July 1	38.24	31	41.76
31	14.54				

M-46. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 109 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 10.60 below lsd, Dec. 31, 1958; lowest 43.21 below lsd, Nov. 2, 1959. Records available: 1958-59.

Dec. 31, 1958	10.60	June 1, 1959	39.68	Oct. 1, 1959	15.68
Feb. 2, 1959	10.95	July 1	41.81	Nov. 2	43.21
Mar. 2	11.19	31	14.01	Dec. 1	13.85
Apr. 1	11.57	Sept. 1	42.26	31	14.35
May 1	11.45				

M-46b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-46. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 50 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 9.80 below lsd, Oct. 2, 1958; lowest 15.76 below lsd, Sept. 1, 1959. Records available: 1958-59.

July 1, 1958	11.36	Feb. 2, 1959	10.73	July 31, 1959	12.02
Aug. 1	10.18	Mar. 2	10.89	Sept. 1	15.76
Sept. 3	10.45	Apr. 1	11.53	Oct. 1	14.09
Oct. 2	9.80	May 1	11.37	Nov. 2	14.97
Nov. 1	10.13	June 1	14.02	Dec. 1	13.34
Dec. 1	13.50	July 1	14.93	31	13.60
31	10.55				

M-46d. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-46. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 109 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.35 below lsd, Dec. 1, 1958; lowest 34.22 below lsd, July 1, 1959. Records available: 1958-59.

Oct. 2, 1958	11.80	Apr. 1, 1959	15.22	Sept. 1, 1959	33.05
Nov. 1	13.24	May 1	14.86	Oct. 1	26.14
Dec. 1	10.35	June 1	31.00	Nov. 2	33.13
31	13.50	July 1	34.22	Dec. 1	24.32
Feb. 2, 1959	13.59	31	23.58	31	28.26
Mar. 2	13.98				

M-47. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 146 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.63 below lsd, Feb. 2, 1959; lowest 77.70 below lsd, Dec. 31, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1958	18.10	May 1, 1959	17.80	Oct. 1, 1959	76.45
Dec. 31	18.42	June 1	19.27	Nov. 2	75.04
Feb. 2, 1959	17.63	July 1	22.37	Dec. 1	74.22
Mar. 2	17.82	31	74.24	31	77.70
Apr. 1	17.77	Sept. 1	21.73		

M-47b. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 3 W., 240 feet southeast of M-47. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 46 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.85 below lsd, July 3, 1958; lowest 17.54 below lsd, Dec. 31, 1959. Records available: 1958-59.

July 3, 1958	10.85	Feb. 2, 1959	13.86	July 31, 1959	16.11
Aug. 1	13.78	Mar. 2	14.08	Sept. 1	16.26
Sept. 3	13.84	Apr. 1	14.47	Oct. 1	17.20
Oct. 2	13.39	May 1	14.54	Nov. 2	17.12
Nov. 1	13.38	June 1	14.75	Dec. 1	17.00
Dec. 1	13.58	July 1	15.44	31	17.54
31	13.70				

M-47d. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 3 W., 240 feet southeast of M-47. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 128 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.61 below lsd, Oct. 2, 1958; lowest 18.21 below lsd, Dec. 31, 1959. Records available: 1958-59.

July 1, 1958	15.06	Dec. 31, 1958	13.95	July 31, 1959	16.91
3	14.55	Feb. 2, 1959	14.14	Sept. 1	16.52
Aug. 1	14.05	Mar. 2	14.34	Oct. 1	18.05
Sept. 3	14.13	Apr. 1	14.77	Nov. 1	17.68
Oct. 2	13.61	May 1	14.82	Dec. 1	17.52
Nov. 1	13.63	June 1	15.03	31	18.21
Dec. 1	13.84	July 1	15.77		

M-48. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 256 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 24.30 below lsd, Dec. 31, 1958, Feb. 2, 1959; lowest 82.55, Dec. 31, 1959. Records available: 1958-59.

May 5, 1958	25.70	May 1, 1959	26.82	Oct. 1, 1959	25.61
Dec. 31	24.30	June 1	25.89	Nov. 2	27.51
Feb. 2, 1959	24.30	July 1	29.32	Dec. 1	27.55
Mar. 2	24.39	31	26.42	31	82.55
Apr. 1	26.59	Sept. 1	29.64		

Water Levels, 1959—Harvey County

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M-48b. (C) City of Wichita, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W., 242 feet southeast of M-48. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.35 below lsd, Feb. 2, 1959; lowest 30.57 below lsd, Dec. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
May 15, 1958	24.82	Dec. 31, 1958	23.40	July 31, 1959	25.76
July 1	24.76	Feb. 2, 1959	23.35	Sept. 1	26.23
Aug. 1	24.56	Mar. 2	23.42	Oct. 1	25.89
Sept. 3	24.26	Apr. 1	23.96	Nov. 2	26.05
Oct. 2	24.00	May 1	24.36	Dec. 1	30.57
Nov. 1	23.54	June 1	24.81	31	26.41
Dec. 1	23.39	July 1	25.50		

M-48d. (C) City of Wichita, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W., 200 feet northeast of M-48. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 243 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.82 below lsd, May 23, 1958; lowest 44.62 below lsd, Dec. 31, 1959. Records available: 1958-59.

May 23, 1958	24.82	Feb. 2, 1959	27.26	July 31, 1959	29.47
July 1	29.22	Mar. 2	27.42	Sept. 1	32.35
Aug. 1	28.62	Apr. 1	29.44	Oct. 1	28.78
Sept. 3	28.35	May 1	29.69	Nov. 2	30.60
Oct. 2	27.74	June 1	31.40	Dec. 1	26.03
Nov 1	26.63	July 1	31.94	31	44.62
Dec. 31	26.15				

M-49. (C) City of Wichita, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 249 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 24.20 below lsd, Dec. 31, 1958; lowest 60.21 below lsd, Sept. 1, 1959. Records available: 1958-59.

Apr. 24, 1958	25.72	June 1, 1959	58.89	Oct. 1, 1959	26.02
Dec. 31	24.20	July 1	59.50	Nov. 2	28.86
Mar. 2, 1959	24.42	31	26.66	Dec. 1	28.91
Apr. 1	27.67	Sept. 1	60.21	31	29.54
May 1	27.90				

M-49b. (C) City of Wichita, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W., 214 feet southeast of M-49. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 50 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.40 below lsd, Dec. 31, 1958; lowest 28.45 below lsd, Dec. 1, 1958. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
May 15, 1958	27.80	Dec. 31, 1958	21.40	July 31, 1959	23.84
July 1	22.92	Feb. 2, 1959	25.17	Sept. 1	24.53
Aug. 1	22.58	Mar. 2	21.55	Oct. 1	24.10
Sept. 3	22.35	Apr. 1	22.12	Nov. 2	24.17
Oct. 2	21.96	May 1	22.50	Dec. 1	24.39
Nov. 1	21.54	June 1	23.23	31	24.41
Dec. 1	28.45	July 1	23.67		

M-49d. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W., 240 feet southeast of M-49. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 245 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 23.58 below lsd, Nov. 1, 1958; lowest 40.74 below lsd, Sept. 1, 1959. Records available: 1958-59.

July 1, 1958	25.39	Feb. 2, 1959	23.62	July 31, 1959	25.91
Aug. 1	24.61	Mar. 2	23.74	Sept. 1	40.74
Sept. 3	24.57	Apr. 1	28.13	Oct. 1	25.20
Oct. 2	23.85	May 1	27.91	Nov. 2	28.69
Nov. 1	23.58	June 1	39.80	Dec. 1	28.84
Dec. 1	23.61	July 1	40.39	31	29.34
31	23.63				

M-50. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 250 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 24.31 below lsd, Dec. 31, 1958; lowest 77.88 below lsd, Nov. 2, 1959. Records available: 1958-59.

Apr. 29, 1958	24.35	May 1, 1959	76.93	Oct. 1, 1959	26.28
Dec. 31	24.31	June 1	28.35	Nov. 2	77.88
Feb. 2, 1959	24.32	July 1	29.02	Dec. 1	77.82
Mar. 2	24.35	31	26.50	31	28.29
Apr. 1	77.56	Sept. 1	29.50		

M-50b. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W., 500 feet southeast of M-50. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.14 below lsd, Feb. 2, 1959; lowest 26.64 below lsd, Dec. 1, 1959. Records available: 1958-59.

July 1, 1958	24.29	Feb. 2, 1959	21.14	July 31, 1959	23.75
Aug. 1	22.34	Mar. 2	21.35	Sept. 1	25.61
Sept. 3	22.07	Apr. 1	24.64	Oct. 1	23.56
Oct. 2	21.60	May 1	25.02	Nov. 2	26.27
Nov. 1	22.64	June 1	24.50	Dec. 1	26.64
Dec. 1	21.23	July 1	25.09	31	24.98
31	21.20				

M-50d. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W., 500 feet southeast of M-50. Drilled observation water-table well in sand and

gravel of Pleistocene age, diameter 1¼ inches, depth 243 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.65 below lsd, Jan. 23, 1958; lowest 37.02 below lsd, Dec. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1958	18.65	Dec. 31, 1958	21.50	July 31, 1959	24.05
July 1	21.74	Feb. 2, 1959	21.64	Sept. 1	28.51
Aug. 1	22.65	Mar. 2	21.79	Oct. 1	23.58
Sept. 3	22.49	Apr. 1	35.80	Nov. 2	36.86
Oct. 2	21.78	May 1	35.96	Dec. 1	37.02
Nov. 1	20.25	June 1	27.40	31	26.27
Dec. 1	21.62	July 1	28.29		

HASKELL COUNTY

10. (C) Elie Stoops. SE¼ NW¼ sec. 33, T. 30 S., R. 34 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 10 inches, depth 61 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 45.40 below lsd, Oct. 12, 1950; lowest 51.74 below lsd, Mar. 18, 1948. Records available: 1941-59. May 7, 48.21; Aug. 14, 49.36; Nov. 6, 50.00.

12. (C) Sybol Smith. SW¼ SW¼ sec. 11, T. 30 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 198 feet. Measuring point, top of well cover, 0.40 foot above lsd. Highest water level 179.40 below lsd, Nov. 3, 1941; lowest 188.52 below lsd, May 7, 1959. Records available: 1941-52, 1956-59. May 7, 188.52.

27-31-8da. (C) Paul E. Hoffman. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 204 feet. Measuring point, top hole in north side pump base, 0.60 foot above lsd. Highest water level 78.18 below lsd, Oct. 2, 1958; lowest 78.75 below lsd, Jan. 6, 1959. Records available: 1958-59. 1958: Oct. 2, 78.18; Nov. 24, 78.60. 1959: Jan. 6, 78.75.

27-34-26aa. (C) Frank Frey. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 365 feet. Measuring point, top hole in north side steel pump base, 1.50 feet above lsd. Highest water level 185.50 below lsd, Apr. 15, 1959; lowest 186.95 below lsd, Sept. 30, 1958. Records available: 1958-59. 1958: Sept. 30, 186.95; Nov. 10, 186.41; Dec. 9, 186.03. 1959: Apr. 15, 185.50.

28-32-18bb. (C) Lawrence Meairs. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 438 feet. Measuring point, south outside edge of sloping pipe, 1.10 feet above lsd. Highest water level 192.35 below lsd, Nov. 21, 1958; lowest 194.10 below lsd, May 14, 1959. Records available: 1958-59. 1958: Sept. 19, 193.39; Oct. 21, 192.89; Nov. 21, 192.35. 1959: Jan. 26, 192.37; May 14, 194.10; Oct. 23, 193.33.

28-32-25cb. (C) Owner unknown. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 200 feet. Measuring point, top north side of metal cover, 0.20 foot above lsd. Highest water level 182.08 below lsd, Feb. 12, 1958; lowest 183.89 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 13, 183.06; May 7, 183.45; Aug. 18, 183.46; Nov. 6, 183.68.

28-33-22cd. (C) J. C. Barbee. Drilled abandoned stock well in Ogallala Formation, diameter 4 inches, depth 233 feet. Measuring point, top of steel

plate, through hole in southwest side, 1.30 feet above lsd. Highest water level 214.78 below lsd, Nov. 13, 1956; lowest 219.50 below lsd, Feb. 13, 1959. Records available: 1956-59. Feb. 13, 219.50; May 7, 218.63; Aug. 18, 218.70; Nov. 6, 219.28.

29-31-14bb. (C) Eugene Wedel. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 258 feet. Measuring point, lower edge of north side steel pump base, 4.00 feet above lsd. Highest water level 162.47 below lsd, Jan. 1, 1959; lowest 162.69 below lsd, Oct. 2, 1958. Records available: 1958-59. 1958. Oct. 2, 162.69; Nov. 24, 162.55. 1959: Jan. 6, 162.47.

29-32-26cb. (C) D. E. McClure. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 205 feet. Measuring point, top of wooden pipe clamp, west side, 1.55 feet above lsd. Highest water level 190.01 below lsd, Aug. 10, 1953; lowest dry, Aug. 18, 1959. Records available: 1941, 1952-59. Feb. 13, 196.92; May 7, 198.49; Aug. 18, dry; Nov. 6, 201.12.

29-34-2ba. (C) C. M. Light. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 350 feet. Measuring point, top hole in southeast side steel pump base, 1.50 feet above lsd. Highest water level 197.85 below lsd, Jan 26, 1959; lowest 203.88 below lsd, Sept. 16, 1958. Records available: 1958-59. 1958: Sept. 16, 203.88; Oct. 21, 200.67; Nov. 21, 199.74. 1959: Jan. 26, 197.85; Aug. 5, 202.00.

30-32-31bb2. (C) Lemon and Miller. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 380 feet. Measuring point, south outside edge of sloping pipe, 0.60 foot above lsd. Highest water level 195.38 below lsd, Feb. 24, 1959; lowest 196.17 below lsd, Oct. 2, 1958. Records available: 1958-59. 1958: Oct. 2, 196.17; Nov. 21, 195.77. 1959: Feb. 24, 195.38.

HODGEMAN COUNTY

3. (C) C. A. Bradley. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 21 S., R. 22 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 60 to 20 inches, depth 76 feet. Measuring point, top south side of concrete curb, 1.00 foot above lsd. Highest water level 21.84 below lsd, Jan. 20, 1959; lowest 39.74 below lsd, Oct. 24, 1956. Records available: 1940-59. Jan. 20, 21.84; Apr. 17, 28.67; Oct. 19, 32.18.

22-22-13cc. (Previously listed as no. 4) (C) Bill Macey. Dug and drilled irrigation water-table well in alluvium, diameter 60 to 20 inches, depth 50 feet. Measuring point, top of steel channel sill, 1.00 foot above lsd. Highest water level 13.81 below lsd, July 16, 1951; lowest 27.47 below lsd, Nov. 28, 1940. Measurements listed as 1956 should have been for 1957. Records available: 1940-55, 1957-59. Jan. 20, 21.75; Apr. 17, 22.50; July 20, 23.44; Oct. 19, 24.46.

24-26-35cb. (C) A. C. Jemes. Drilled stock water-table well in Ogallala Formation, diameter 5 $\frac{1}{2}$ inches, depth 90 feet. Measuring point, top north side of casing, 0.50 foot above lsd. Highest water level 64.36 below lsd, Oct. 11, 1954; lowest 65.29 below lsd, Oct. 22, 1956. Records available: 1954-59. Jan. 21, 64.60; Apr. 20, 64.62; July 21, 64.42; Oct. 20, 64.37.

JACKSON COUNTY

7-15-3ca. (C) Fred Shafer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 17 feet. Measuring point, top south side of casing, 0.40 foot above lsd. Highest water level 5.79 below lsd, Apr. 13, 1957; lowest 9.70 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

9-15-23dcb. (C) B. F. Albright. Dug unused water-table well in glacial sand and gravel, diameter 20 inches, depth 16 feet, cribbed with brick. Measuring point, top east side of hole in concrete platform, 0.70 foot above lsd. Highest water level 2.84 below lsd, Sept. 27, 1951; lowest 15.04 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

JEFFERSON COUNTY

11-18-21cbd. (C) Division of Water Resources. Driven observation well in alluvium, diameter 3/4 inch, depth 25 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 7.63 below lsd, July 13, July 31, 1959; lowest 8.64 below lsd, Dec. 3, 1959. Records available: 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 15	7.82	July 13	7.63	Sept. 8	8.22	Nov. 2	8.42
July 6	7.80	31	7.53	Oct. 6	8.08	Dec. 3	8.64

JEWELL COUNTY

12. (C) M. W. Howe. Lot 4, sec. 30, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara Chalk, diameter 36 inches, depth 88 feet, cribbed with brick. Measuring point, top of wooden platform, 1.30 feet above lsd. Highest water level 39.14 below lsd, July 24, 1951; lowest 77.79 below lsd, June 8, 1938. Records available: 1934-55, 1957. No measurement made in 1959.

45. (C) Victor Yapp. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 4 S., R. 10 W. Drilled unused water-table well in alluvium and colluvium, diameter 12 inches, depth 38 feet. Measuring point, top of wooden platform, 0.90 foot above lsd. Highest water level 14.31 below lsd, July 23, 1951; lowest 34.39 below lsd, Dec. 21, 1940. Records available: 1934-55. No measurement made in 1959.

65. (C) Mrs. B. M. Parkhurst. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 3 S., R. 9 W. Dug domestic and stock water-table well in colluvium, diameter 5 feet, depth 42 feet, cribbed with stone. Measuring point, top of plank platform, 1.90 feet above lsd. Highest water level 8.42 below lsd, July 24, 1951; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-55, 1957-58. No measurement made in 1959.

69. (C) Walter Dietz. NW $\frac{1}{4}$ lot 2, sec. 7, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 12 inches, depth 37 feet. Measuring point at land surface. Highest water level 5.85 below lsd, July 23, 1951; lowest 24.50 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-55, 1958. No measurement made in 1959.

1-6-5ac. (MB) U.S.B.R. Drilled observation water-table well in al-

luvium, diameter $1\frac{1}{4}$ inches, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 13.00 below lsd, Sept. 16, 1958; lowest 17.15 below lsd, Mar. 13, 1957. Records available: 1953-59. Feb. 24, 14.65; Apr. 8, 15.10; June 29, 13.81.

1-6-5cd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 43 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 28.35 below lsd, Oct. 29, 1958; lowest 33.16 below lsd, Mar. 3, 1955. Records available: 1953-59. Feb. 24, 29.70; Apr. 8, 29.95; May 1, 30.00; June 29, 29.20.

1-6-5dd. (MB) U.S.G.S. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 36 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 10.94 below lsd, Aug. 19, 1948; lowest 33.43 below lsd, Sept. 15, Nov. 5, 1954. Records available: 1947-59. Feb. 24, 27.00; Apr. 8, 26.95; May 1, 26.78; June 29, 26.10; Aug. 28, 23.53.

1-6-6ad. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 11.80 below lsd, Aug. 24, 1955; lowest 15.40 below lsd, Mar. 13, 1957. Records available: 1953-59. Feb. 24, 13.35; Apr. 8, 13.30; May 1, 14.13; Aug. 28, 12.60.

1-6-6bc. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.17 below lsd, Oct. 1, 1950; lowest 10.55 below lsd, Sept. 20, 1955. Records available: 1950-59. Feb. 24, 7.60; Apr. 8, 8.00; May 1, 6.23; June 29, 7.36; Aug. 28, 8.57.

1-6-6cb. (MB) U.S.B.R. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 21 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 6.43 below lsd, May 1, 1959; lowest 11.04 below lsd, May 24, 1956. Records available: 1953-59. Feb. 24, 8.55; Apr. 8, 8.20; May 1, 6.43; June 29, 7.00; Aug. 28, 7.48.

1-6-6cc. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.36 below lsd, Aug. 24, 1955; lowest 28.04 below lsd, June 30, 1950. Records available: 1950-59. Feb. 24, 19.00; Apr. 8, 19.00; May 1, 19.30; June 29, 18.16; Aug. 28, 17.66.

1-6-6dal. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.60 below lsd, Sept. 20, 1955; lowest 19.58 below lsd, Sept. 26, 1956. Records available: 1950-59. Feb. 24, 16.45; Apr. 8, 17.30; June 29, 12.46; Aug. 28, 13.93.

1-6-6da2. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 18.45 below lsd, Sept. 16, 1958; lowest 22.23 below lsd, June 9, 1955. Records available: 1953-59. Feb. 24, 19.10; Apr. 8, 19.10; May 1, 19.09; June 29, 18.50; Aug. 28, 17.02.

1-6-6db. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 11.66 below lsd, Aug. 28, 1959; lowest 15.13 below lsd, Mar. 13, 1957. Records available: 1953-59. Feb. 24, 12.70; Apr. 8, 12.70; May 1, 12.32; Aug. 28, 11.66.

1-6-6dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.12 below lsd, Aug. 28, 1959; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-59. Feb. 24, 23.75; Apr. 8, 23.80; May 1, 23.80; June 29, 22.95; Aug. 28, 21.12.

1-6-14da. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 80 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 60.63 below lsd, Sept. 1, 1955; lowest 63.95 below lsd, Nov. 7, 1956. Records available: 1955-59. Feb. 24, 61.72; May 6, 61.53; July 2, 61.42; Sept. 4, 61.18.

1-6-23ad. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 71 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 47.06 below lsd, Sept. 9, 1958; lowest 56.50 below lsd, Mar. 28, 1956. Records available: 1955-59. Feb. 4, 50.60; May 6, 51.12; July 2, 50.06; Sept. 4, 47.84.

1-6-25bb. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 65 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 41.18 below lsd, Sept. 4, 1959; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-59. Feb. 4, 45.25; May 6, 45.87; July 2, 45.15; Sept. 4, 41.18.

1-6-25bc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 70 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 25.84 below lsd, Sept. 4, 1959; lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 29.62; May 6, 31.84; July 2, 31.85; Sept. 4, 25.84.

1-6-25cc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 60 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 20.73 below lsd, Sept. 4, 1959; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 27.54; May 6, 28.80; July 2, 28.05; Sept. 4, 20.73.

1-6-25dd. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 75 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 16.44 below lsd, Sept. 4, 1959; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56, 1958-59. Feb. 4, 23.73; May 6, 23.37; July 2, 22.64; Sept. 4, 16.44.

1-6-34ddd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 66 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 23.60 below lsd, July 2, 1959; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57, 1959. Feb. 4, 27.82; May 6, 28.99; July 2, 23.60; Sept. 8, 19.15.

1-6-35ba. (Referred to in previous reports as 1-6-35bba) (MB) U.S.B.R. Drilled and jetted well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 30.87 below lsd, July 2, 1959; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57, 1959. Feb. 4, 31.55; May 6, 31.46; July 2, 30.87; Sept. 8, 31.03.

1-7-1bb. (MB) U.S.G.S. Driven well in alluvium, diameter $1\frac{1}{4}$ inches, depth 16 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.39 below lsd, July 24, 1951; lowest 12.17 below lsd, May 24,

1956. Records available: 1947-59. Feb. 24, 7.95; Apr. 8, 8.20; May 1, 7.20; June 29, 7.82; Aug. 28, 9.86.

1-7-1db. (MB) U.S.B.R. Drilled well in alluvium, diameter $1\frac{1}{4}$ inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.40 below lsd, July 16, 1957; lowest 10.73 below lsd, Mar. 29, 1954. Records available: 1953-59. Feb. 24, 7.95; Apr. 8, 7.65; May 1, 6.28; June 29, 7.00; Aug. 28, 6.88.

1-7-1dc. (MB) U.S.B.R. Drilled well in alluvium, diameter $1\frac{1}{4}$ inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.85 below lsd, May 1, 1959; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-59. Feb. 24, 4.50; Apr. 8, 3.50; May 1, 1.85; June 29, 4.63; Aug. 28, 5.15.

1-7-2da. (MB) U.S.G.S. Driven well in alluvium, diameter $1\frac{1}{4}$ inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.42 below lsd, July 24 1951; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-59. Feb. 24, 5.05; Apr. 8, 5.75; May 1, 2.19; June 29, 3.18; Aug. 28, 4.88.

1-7-4ad. (MB) U.S.B.R. Driven well in alluvium, diameter $1\frac{1}{4}$ inches, depth 22 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 1.80 below lsd, Feb. 15, 1956; lowest 6.91 below lsd, Aug. 17, 1954. Records available: 1953-59. Feb. 24, 2.40; Apr. 8, 2.30.

1-7-4ba. (MB) U.S.B.R. Driven well in alluvium, diameter $1\frac{1}{4}$ inches, depth 22 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.10 below lsd, Oct. 29, 1958; lowest 14.20 below lsd, Feb. 3, 1954. Records available: 1953-59. Feb. 24, 10.55; Apr. 8, 10.20.

2-6-2dd. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 66 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 29.19 below lsd, Sept. 8, 1959; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-59. Feb. 3, 32.80; May 6, 33.14; July 2, 32.70; Sept. 8, 29.19.

2-6-3db. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 26.80 below lsd, Sept. 4, 1957; lowest 38.45 below lsd, May 3, 1956. Records available: 1955-59. Feb. 4, 33.11; May 6, 33.72.

2-6-4cd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 28 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 12.10 below lsd, Sept. 4, 1959; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 12.35; May 6, 12.33; July 2, 12.75; Sept. 4, 12.10.

2-6-4dd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 25.19 below lsd, Sept. 4, 1959; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-59. Feb. 4, 27.79; May 6, 27.78; July 2, 27.14; Sept. 4, 25.19.

2-6-5cc. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 101 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 37.83 below lsd, Mar. 3, 1958; lowest 44.25 below lsd, May 3, 1956. Records available: 1956-58. No measurement made in 1959.

2-6-5dcc. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 92 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 34.55 below lsd, Mar. 3, 1958; lowest 42.74 below lsd, Oct. 20, 1955. Records available: 1955-58. No measurement made in 1959.

2-6-8aa. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 27 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 15.09 below lsd, May 6, 1959; lowest dry, Feb. 21, 1957. Records available: 1955-59. Jan. 4, 17.50; Feb. 4, 15.75; May 6, 15.09; July 2, 15.50; Sept. 4, 15.67.

2-6-8bb. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 72 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 30.30 below lsd, Feb. 29, 1956; lowest 32.73 below lsd, Jan. 13, 1958. Records available: 1955-58. No measurement made in 1959.

2-6-8bc. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 11.60 below lsd, June 26, 1957; lowest 14.50 below lsd, Mar. 28, 1956. Records available: 1956-58. No measurement made in 1959.

2-6-8bd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 35.70 below lsd, Sept. 3, 1957; lowest 38.58 below lsd, Nov. 1, 1957. Records available: 1955-58. No measurement made in 1959.

2-6-8bba. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 66 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.50 below lsd, Mar. 3, 1958; lowest 18.79 below lsd, June 7, 1956. Records available: 1955-58. No measurement made in 1959.

2-6-8ca. (MB) U.S.B.R. Drilled well in alluvium, diameter $1\frac{1}{4}$ inches, depth 57 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.46 below lsd, July 11, 1956; lowest 16.83 below lsd, Dec. 20, 1955, Mar. 28, 1956. Records available: 1955-58. No measurement made in 1959.

2-6-8cbl. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 57 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 12.05 below lsd, Mar. 3, 1958; lowest 15.86 below lsd, Mar. 28, 1956. Records available: 1956-58. No measurement made in 1959.

2-6-8cb2. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 58 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.94 below lsd, July 11, 1956; lowest 15.83 below lsd, June 7, 1956. Records available: 1956-58. No measurement made in 1959.

2-6-8cb3. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 4.27 below lsd, Mar. 3, 1958;

lowest 17.86 below lsd, Mar. 28, 1956. Records available: 1956-58. No measurement made in 1959.

2-6-8dda. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.48 below lsd, July 11, 1956; lowest 22.77 below lsd, Oct. 8, 1957. Records available: 1955-58. No measurement made in 1959.

2-6-9bd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 37 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 31.89 below lsd, July 2, 1959; lowest dry, Jan. 4, 1958. Records available: 1955-59. Feb. 3, 33.46; May 6, 32.55; July 2, 31.89; Sept. 8, 31.98.

2-6-9dd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 82 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.42 below lsd, Sept. 9, 1958; lowest 38.13 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 26.05.

2-6-10cb. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 56 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 23.42 below lsd, Sept. 9, 1958; lowest 37.76 below lsd, July 11, 1956. Records available: 1955-59. Feb. 3, 33.25; May 6, 33.14; July 2, 33.02; Sept. 8, 28.48.

2-6-10da2. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 3.52 below lsd, May 6, 1959; lowest 11.48 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 3, 5.32; May 6, 3.52; July 2, 5.53; Sept. 8, 7.91.

2-6-11da2. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.87 below lsd, May 6, 1958; lowest 20.80 below lsd, June 7, 1956. Records available: 1955-59. Feb. 3, 17.83.

2-6-15cc. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 6.44 below lsd, June 26, 1957; lowest 13.02 below lsd, June 7, 1956. Records available: 1955-58. No measurement made in 1959.

2-6-15dd. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.90 below lsd, May 3, 1956; lowest 8.32 below lsd, Apr. 24, 1957. Records available: 1956-57. No measurement made in 1959.

2-6-16bc. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{2}$ inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.93 below lsd, July 11, 1956; lowest 19.20 below lsd, Nov. 8, 1956. Records available: 1955-58. No measurement made in 1959.

2-6-17add. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 58 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.46 below lsd, Sept. 1, 1955; lowest 19.18

below lsd, Mar. 3, 1958. Records available: 1955-58. No measurement made in 1959.

2-6-17bba. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 20.83 below lsd, Sept. 1, 1955; lowest 26.85 below lsd, Oct. 8, 1957. Records available: 1955-58. No measurement made in 1959.

2-6-17db. (MB) U.S.B.R. Jetted well in alluvium, diameter $1\frac{1}{4}$ inches, depth 18 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.34 below lsd, July 11, 1956; lowest 14.57 below lsd, Feb. 21, 1957. Records available: 1955-58. No measurement made in 1959.

2-6-36dd. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 28 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 25.60 below lsd, Mar. 29, 1956; lowest dry throughout 1957, 1958 and 1959. Records available: 1956-59. Dry entire year of 1959.

KEARNY COUNTY

13a. (C) Kearny County, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 25 S., R. 37 W. Driven and bored observation well in alluvium, depth 14 feet. Measuring point, top west side of pipe, 2.20 feet above lsd. Highest water level 7.39 below lsd, May 28, 1954; lowest 9.26 below lsd, Nov. 29, 1956. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	8.09	Apr. 20	8.52	July 24	7.82	Oct. 23	7.75
Feb. 20	8.14	May 15	8.11	Aug. 19	7.74	Nov. 20	7.98
Mar. 31	8.37	June 26	8.02	Sept. 29	7.90	Dec. 11	8.15

16. (C) C. B. Campbell. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 23 S., R. 35 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 6 inches, depth 60 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 23.69 below lsd, May 31, 1951; lowest 55.79 below lsd, Nov. 27, 1956. Records available: 1939-59. Jan. 16, 47.04; Apr. 3, 47.79; July 24, 48.66; Oct. 13, 49.90.

22-37-22aa. (C) Owner unknown. Drilled stock well in Ogallala Formation, diameter 6 inches, depth 187 feet. Measuring point, top north-east side of hole in frying pan over well, 0.30 foot above lsd. Highest water level 169.69 below lsd, May 9, 1957; lowest 177.31 below lsd, Oct. 16, 1958. Records available: 1956-59. Jan. 16, 174.74; July 24, 174.48; Oct. 13, 174.52.

26-37-21dd. (C) H. G. Webber. Drilled irrigation artesian well in deposits of Pliocene and Cretaceous age, diameter 16 inches, depth 330 feet. Measuring point, top hole in southwest side steel pump base, 0.50 foot above lsd. Highest water level 53.39 below lsd, Jan. 12, 1959; lowest 55.10 below lsd, May 11, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Sept. 18, 1958	53.98	Nov. 21, 1958	53.49	May 11, 1959	55.10
Oct. 21	53.66	Jan. 12, 1959	53.39	Oct. 26	54.60

KINGMAN COUNTY

4. (C) N. Lawson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 27 S., R. 9 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 76 feet. Measuring point, top opening of pump, 3.00 feet above lsd. Highest water level 55.58 below lsd, Sept. 1, 1953; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-59. Jan. 22, 58.77; Apr. 21, 58.85; July 22, 58.49; Oct. 21, 58.03.

30-5-12cca. (C) Robert Lowery. Drilled irrigation well in sand and gravel of Pleistocene age, diameter 16 inches, depth 62 feet. Measuring point, base of irrigation pump on north side, 1.44 feet above lsd. Highest water level 23.30, July 23, 1959; lowest 24.10 below lsd, Sept. 29, 1955. Records available: 1955, 1959. 1955: Sept. 29, 24.10. 1959: Apr. 29, 23.52; July 23, 23.30; Oct. 21, 23.62.

KIOWA COUNTY

4. (C) H. E. Davis. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 28 S., R. 16 W. Drilled domestic and irrigation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 109 feet. Measuring point, top south side of casing, 0.50 foot above lsd. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-59. Jan. 23, 67.05; Apr. 15, 69.18; July 22, 66.82; Oct. 21, 66.88.

8. (C) E. E. Miller. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 27 S., R. 18 W. Dug and drilled unused water-table well in sand and gravel of Pleistocene age, diameter 16 inches, depth 75 feet. Measuring point, top south edge of concrete curb, 1.00 foot above lsd. Highest water level 12.39 below lsd, Sept. 20, 1951; lowest 26.52 below lsd, Apr. 28, 1941. Records available: 1940-59. Jan. 23, 16.56; Apr. 15, 16.78; July 22, 17.25; Oct. 21, 17.16.

19. (C) C. Williamson. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 27 S., R. 17 W. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 90 feet. Measuring point, lower edge of pump base, 0.50 foot above lsd. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-59. Jan. 23, 31.37; Apr. 15, 30.30; July 22, 30.33; Oct. 21, 30.44.

LANE COUNTY

17-30-13cbb. (C) F. L. Burmeister. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 94 feet. Measuring point, top west side of casing, 0.10 foot above lsd. Highest water level 83.83 below lsd, Feb. 1, 1950; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1950-59. Mar. 6, 84.28; June 5, 84.25; Sept. 11, 84.21.

18-27-13ccc. (C) C. H. Merriweather. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 95 feet. Measuring point, top southeast side of casing, 0.60 foot above lsd. Highest water level 86.10 below lsd, Oct. 19, 1955; lowest 88.99 below lsd, Sept. 19, 1958. Records available: 1950-59. Mar. 6, 86.80; June 5, 86.71; Sept. 11, 86.67; Dec. 11, 86.91.

18-28-15ccc. (C) C. S. and F. E. Boone. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 61 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level

54.23 below lsd, Aug. 25, 1952; lowest 56.49 below lsd, Dec. 18, 1957. Records available: 1950-59. Mar. 6, 55.12; June 5, 55.06; Sept. 11, 55.44; Dec. 11, 55.19.

19-30-3daa. (C) John Kees. Dug unused water-table well in Ogallala Formation, diameter 4 feet, depth 73 feet. Measuring point, top of concrete curb, 0.70 foot above lsd. Highest water level 63.60 below lsd, Mar. 6, 1959; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-59. Mar. 6, 63.60; June 5, 65.31; Sept. 11, 66.18.

LEAVENWORTH COUNTY

8-22-7cb. (C) Mrs. Joe Kennedy. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 15 feet, cribbed with rock. Measuring point, top west edge of hole in concrete plate, 1.00 foot above lsd. Highest water level 1.40 below lsd, Aug. 1, 1951; lowest 9.53 below lsd, Nov. 27, 1948. Records available: 1948-52, 1956-57. No measurement made in 1959.

10-22-34ad. (C) A. K. Mussett. Dug unused water-table well in glacial deposits, diameter 6 feet, depth 35 feet, cribbed with brick. Measuring point, top north side of concrete, 1.00 foot above lsd. Highest water level 0.45 below lsd, Nov. 27, 1951; lowest 7.05 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

LINCOLN COUNTY

12-7-18aa. (MB) Reverend Hendrickson. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 50 feet. Measuring point, edge of platform at pump base, at land surface. Highest water level 2.47 below lsd, July 25, 1951; lowest dry, Apr. 3, Oct. 14, 1959. Records available: 1947-59. Apr. 3, dry; Oct. 14, dry.

12-7-19dd. (MB) H. R. Behern. Dug stock and observation water-table well in alluvium, diameter 36 inches, depth 16 feet, cribbed with rock. Measuring point, top of surface board platform, at land surface. Highest water level 7.29 below lsd, June 3, 1952; lowest dry, Mar. 13, 1957. Records available: 1947-59. Apr. 3, 11.30; Oct. 14, 12.18.

12-8-8cd. (MB) S. C. Meredith. Dug unused water-table well in Dakota Formation, diameter 4 feet, depth 35 feet, cribbed with rock. Measuring point, top of board platform, 0.60 foot above lsd. Highest water level 1.58 below lsd, Apr. 3, 1959; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-59. Apr. 3, 1.58.

12-8-11cb. (MB) Jim and Ed Healy. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete curb, at land surface. Highest water level 4.76 below lsd, July 25, 1951; lowest 20.90 below lsd, Dec. 20, 1956. Records available: 1947-59. Apr. 3, 18.82; Oct. 14, 17.70.

12-10-8bb. (MB) G. Meitler. Drilled stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Measuring point, north edge of casing, 1.00 foot above lsd. Highest water level 9.58 below lsd, Oct. 22, 1951; lowest 17.57 below lsd, Sept. 21, 1956. Records available: 1947-59. Apr. 3, 14.93.

12-10-21dd. (MB) F. D. Meyer. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete platform, 0.30 foot above

lsd. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 27.88 below lsd, Dec. 20, 1956. Records available: 1947-59. Apr. 3, 24.95; Oct. 14, 25.63.

LINN COUNTY

19-24-36aa. (C) Mr. Newby. Dug unused water-table well in Swope Limestone, diameter 6 feet, depth 21 feet. Measuring point, top of hole in concrete base, 0.30 foot above lsd. Highest water level 6.56 below lsd, Nov. 30, 1951; lowest 18.12 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. No measurement made in 1959.

22-25-6cb. (C) E. C. Smith. Dug unused water-table well in Nowata Shale and Altamont Limestone, diameter 5 feet, depth 16 feet, cribbed with rock. Measuring point, top south side of circular hole in concrete, 0.60 foot above lsd. Highest water level 1.99 below lsd, Feb. 21, 1952; lowest dry, Apr. 11, 1957. Records available: 1948-52, 1956-57. No measurement made in 1959.

23-25-7daa. (C) O. M. Grigsby. Dug unused water-table well in Bandera Shale, diameter 36 inches, depth 19 feet, cribbed with rock. Measuring point, top north side of square hole in concrete, 0.60 foot above lsd. Highest water level 1.64 below lsd, Mar. 1, 1949; lowest 17.21 below lsd, May 5, 1948. Records available: 1948-52, 1956-57. No measurement made in 1959.

LOGAN COUNTY

1. (C) Octon Estate. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 11 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 107 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 96.25 below lsd, Apr. 21, 1953; lowest 99.29 below lsd, Jan. 6, 1947. Records available: 1942-59. Jan. 15, 97.77; Apr. 14, 99.07; July 14, 98.28; Oct. 12, 98.94.

11-34-16cd. (C) Arthur Peterson. Drilled stock well in Ogallala Formation. Measuring point, hole in center of top of tank, 1.50 feet above lsd. Highest water level 118.90 below lsd, Oct. 12, 1959; lowest 118.98 below lsd, Apr. 14, 1959. Records available: 1959. Apr. 14, 118.98; July 14, 118.96; Oct. 12, 118.90.

12-37-27aa. (C) J. E. Bertrand. Drilled unused observation well in deposits of Pleistocene age, diameter 5 inches, depth 53 feet. Measuring point, top of casing, 1.20 feet above lsd. Highest water level 40.52 below lsd, Oct. 12, 1959; lowest 44.60 below lsd, Aug. 10, 1954. Records available: 1952-59. Jan. 15, 40.69; Apr. 14, 40.54; July 14, 40.53; Oct. 12, 40.52.

13-32-27aa. (C) Owner unknown. Drilled stock well in Niobrara Chalk, diameter 5 inches, depth 52 feet. Measuring point, top of hole in lid over casing, 1.30 feet above lsd. Highest water level 40.36 below lsd, Oct. 12, 1959; lowest 41.14 below lsd, Jan. 9, 1957. Records available: 1956-59. Jan. 15, 40.49; Apr. 13, 40.45; July 13, 40.42; Oct. 12, 40.36.

McPHERSON COUNTY

17-3-4bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 28 feet. Measuring point, top of

pipe, 3.50 feet above lsd. Highest water level 17.05 below lsd, Sept. 22, 1952; lowest 25.00 below lsd, Aug. 19, 1957. Records available: 1950-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	22.75	May 25	21.40	July 24	21.37	Dec. 16	21.22
Mar. 25	22.55	June 26	21.50	Aug. 21	21.73		

17-3-9bcc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.99 below lsd, Oct. 11, 1950; lowest 22.62 below lsd, Aug. 19, 1957. Records available: 1950-53, 1955-59.

Feb. 23	20.67	May 25	19.00	July 24	19.50	Dec. 16	19.82
Mar. 25	20.77	June 26	19.90	Aug. 21	20.35		

17-3-10bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 6.65 below lsd, Aug. 17, 1951; lowest 21.28 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-59.

Feb. 23	18.63	May 25	17.53	July 24	17.30	Dec. 16	17.80
Mar. 24	18.72	June 25	17.48	Aug. 21	17.89		

17-3-17dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1 1/4 inches, depth 39 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-59.

Feb. 23	25.99	May 25	25.15	July 24	25.40	Dec. 16	25.17
Mar. 25	26.05	June 26	25.12	Aug. 21	26.48		

17-3-18dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1 1/4 inches, depth 53 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.25 below lsd, Oct. 1, 1951; lowest 30.18 below lsd, July 31, 1956. Records available: 1946-59. Feb. 24, 26.59; Mar. 25, 26.73; May 25, 25.00. Well destroyed.

17-3-19ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.60 below lsd, Oct. 1, 1951; lowest 24.88 below lsd, May 8, 1957. Records available: 1951-59.

Feb. 24	22.55	May 25	22.33	July 24	21.60	Dec. 16	22.21
Mar. 25	23.25	June 26	21.89	Aug. 21	22.13		

17-3-30dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.92 below lsd, Sept. 7, 1956. Records available: 1946-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	29.34	May 25	29.06	July 24	28.20	Dec. 16	29.36
Mar. 25	29.55	June 26	28.80	Aug. 21	28.79		

17-4-20ddd. (MB) U.S.G.S. Jetted observation well in colluvium, diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 1.73 below lsd, July 2, 1951; lowest dry, May 11, 1956. Records available: 1950-59.

Feb. 24	7.05	May 25	3.47	July 24	5.95	Dec. 16	6.73
Mar. 25	6.48	June 6	5.62	Aug. 21	7.24		

17-4-25dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 15.11 below lsd, July 24, 1951; lowest 27.93 below lsd, Mar. 18, 1957. Records available: 1946-59.

Feb. 24	24.20	May 25	23.85	July 24	22.75	Dec. 16	23.10
Mar. 25	24.39	June 26	23.70	Aug. 21	23.16		

17-4-29ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 32 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 6.52 below lsd, Aug. 20, 1951; lowest 20.70 below lsd, May 8, 1957. Records available: 1950-53, 1955-59.

Feb. 24	19.39	May 25	17.30	July 24	17.52	Dec. 16	18.70
Mar. 25	19.50	June 26	17.65	Aug. 21	18.68		

17-4-31baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 32 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 13.06 below lsd, Aug. 20, 1951; lowest 24.39 below lsd, Mar. 18, 1957. Records available: 1950-53, 1955-59.

Feb. 24	23.16	May 25	21.97	July 24	21.84	Dec. 16	22.55
Mar. 25	23.40	June 26	21.56	Aug. 21	22.75		

17-4-32-baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 32 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.80 below lsd, Aug. 20, 1951; lowest 23.98 below lsd, May 8, 1957. Records available: 1950-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	21.99	May 25	19.78	July 24	19.86	Dec. 16	20.75
Mar. 25	22.10	June 25	20.20	Aug. 21	20.98		

17-4-33bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 24 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 11.05 below lsd, Aug. 20, 1951; lowest dry, Apr. 7, Aug. 19, 1955, Jan. 4, Sept. 7, 1956. Records available: 1950-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level
Oct. 11, 1950	13.60	Aug. 19, 1955	dry	July 21, 1958	19.39
July 2, 1951	16.89	Jan. 4, 1956	dry	Aug. 14	18.84
Aug. 20	11.05	Sept. 7	dry	Sept. 19	20.78
Oct. 1	12.51	June 11, 1957	20.38	Oct. 16	20.55
Nov. 9	13.70	Aug. 20	18.30	Nov. 19	21.59
Feb. 26, 1952	19.16	Oct. 11	20.64	Feb. 24, 1959	22.15
June 9	19.53	Nov. 15	21.16	Mar. 25	22.30
July 22	20.79	Jan. 3, 1958	22.00	May 25	20.93
Jan. 10, 1953	21.93	Feb. 13	22.28	June 26	21.24
Mar. 13	22.38	Apr. 1	21.28	July 24	21.00
July 23	22.82	May 6	19.26	Aug. 21	22.65
Apr. 7, 1955	dry	June 12	20.04	Dec. 16	21.70

17-4-34add. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.11 below lsd, Aug. 20, 1951; lowest 26.30 below lsd, May 8, 1957. Records available. 1951-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	24.15	May 25	23.60	July 24	22.60	Dec. 16	23.93
Mar. 25	24.34	June 26	23.14	Aug. 21	22.23		

17-4-36abb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 31 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 15.23 below lsd, Aug. 20, 1951; lowest 27.29 below lsd, May 8, 1957. Records available: 1951-53, 1955-59.

Feb. 24	23.59	May 25	22.55	July 24	22.27	Dec. 16	22.49
Mar. 25	23.76	June 26	23.07	Aug. 21	22.82		

17-5-4ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 22 feet. Measuring point, top of pipe, 4.30 feet above lsd. Highest water level 12.92 below lsd, Apr. 1, 1958; lowest dry, July 23, 1953, Apr. 7, 1955, May 11, July 31, Sept. 7, 1956. Records available: 1951-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level
Apr. 8, 1951	15.34	May 11, 1956	dry	July 21, 1958	15.44
July 2	13.82	July 31	dry	Aug. 14	13.92
Aug. 20	14.67	Sept. 7	dry	Sept. 19	14.22
Oct. 1	14.00	June 11, 1957	14.69	Oct. 16	14.95
Nov. 9	14.90	Aug. 20	13.97	Nov. 18	15.14
Feb. 26, 1952	16.04	Oct. 11	15.42	Feb. 24, 1959	15.25
June 9	15.41	Nov. 15	15.22	Mar. 25	15.20
Sept. 22	15.97	Jan. 3, 1958	15.46	May 26	15.05
Jan. 10, 1953	16.41	Feb. 13	15.28	June 26	15.29
Mar. 13	16.53	Apr. 1	12.92	July 24	15.40
July 23	dry	May 6	15.15	Aug. 21	15.60
Apr. 7, 1955	dry	June 12	15.29	Dec. 16	15.55

17-5-7aad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 6.01 below lsd, Oct. 1, 1951; lowest 15.89 below lsd, Aug. 19, 1955. Records available: 1951-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	15.57	May 26	15.03	July 24	14.52	Dec. 16	15.08
Mar. 25	15.63	June 26	14.23	Aug. 21	15.22		

17-5-7bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 35 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 17.88 below lsd, July 2, 1951; lowest 26.77 below lsd, Feb. 13, 1958. Records available: 1950-53, 1955-59.

Feb. 24	26.53	May 26	26.59	July 24	26.54	Dec. 16	26.30
Mar. 25	26.58	June 26	26.58	Aug. 21	26.73		

17-5-8ccc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter 3/4 inch, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 3.33 below lsd, Nov. 9, 1951; lowest 12.52 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-59.

Feb. 24	9.30	May 26	9.13	July 24	9.30	Dec. 16	9.07
Mar. 25	9.36	June 26	9.24	Aug. 21	9.33		

17-5-8ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 18 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 0.90 below lsd, Oct. 1, 1951; lowest 12.14 below lsd, Sept. 7, 1956. Records available: 1950-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	10.70	May 26	9.15	July 24	9.56	Dec. 16	10.16
Mar. 25	10.79	June 26	9.09	Aug. 21	9.63		

17-5-11bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.87 below lsd, Oct. 1, 1951; lowest 16.30 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-59.

Feb. 24	9.93	May 26	8.07	July 24	9.33	Dec. 16	10.20
Mar. 25	9.93	June 26	8.87	Aug. 21	9.95		

17-5-16aaa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter 3/4 inch, depth 26 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 10.39 below lsd, Oct. 1, 1951; lowest 20.23 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-59.

Feb. 24	19.67	May 26	18.60	July 24	18.39	Dec. 16	19.63
Mar. 25	19.63	June 26	18.27	Aug. 21	19.48		

17-5-21dad. (MB) U.S.G.S. Jetted observation well in alluvium, diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 6.51 below lsd, Oct. 1, 1951; lowest 19.97 below lsd, Mar. 19, 1957. Records available: 1950-53, 1955-59.

Feb. 24	18.12	May 12	17.38	July 24	16.79	Dec. 16	17.15
Mar. 25	18.06	June 26	16.58	Aug. 21	17.49		

17-5-23ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 25 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 9.61 below lsd, Dec. 17, 1950; lowest dry, Jan. 4, 1956. Records available: 1950-53, 1955-56. No measurement made in 1959.

17-5-25aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 32 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 7.51 below lsd, Oct. 1, 1951; lowest 20.90 below lsd, Oct. 23, 1950. Records available: 1950-53, 1955-59.

Feb. 24	15.32	May 25	13.86	July 24	14.40	Dec. 16	14.75
Mar. 25	15.30	June 26	14.40	Aug. 21	14.96		

17-5-26ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.00 below lsd, Aug. 20, 1951; lowest 21.73 below lsd, Dec. 17, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	19.23	May 26	17.77	July 24	17.72	Dec. 16	18.50
Mar. 25	19.40	June 26	17.98	Aug. 21	18.60		

MEADE COUNTY

41. (C) D. L. Shraner. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 30 S., R. 30 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 180 feet. Measuring point, hole in east side of pump base, 0.75 foot above lsd. Highest water level 155.75 below lsd, Dec. 13, 1954; lowest 158.98 below lsd, Oct. 17, 1958. Records available: 1939-42, 1954-59. Jan. 8, 156.77; Apr. 10, 156.76; July 17, 156.76; Oct. 21, 156.89.

45. (C) Joseph Rocke. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 30 S., R. 27 W. Drilled unused water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 3 inches, depth 200 feet. Measuring point, top of casing, 1.80 feet above lsd since June 1955. Highest water level 0.42 below lsd, Dec. 20, 1949; lowest 22.84 below lsd, Sept. 13, 1956. Records available: 1939-59. Jan. 8, 19.64; Apr. 10, 19.50; July 17, 19.99; Oct. 21, 20.14.

61. (C) John Meyer. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 31 S., R. 27 W. Drilled unused water-table well in Lower Pleistocene deposits, diameter 6 inches, depth 87 feet. Measuring point, top south side of casing, 0.60 foot above lsd. Highest water level 56.34 below lsd, Dec. 28, 1954; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-59. Jan. 8, 56.49; Apr. 10, 57.56; July 17, 56.98.

77. (C) J. W. Wood. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 32 S., R. 28 W. Drilled unused water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 3 inches, depth 126 feet. Measuring point, bottom of T in 3-inch casing, 2.60 feet above lsd. Highest water level 60.18 below lsd, Mar. 19, 1952; lowest 67.12 below lsd, Sept. 9, 1943. Records available: 1939-59. Jan. 8, 62.70; Apr. 10, 62.78; July 17, 64.26; Oct. 21, 63.20.

161. (C) C. R. Cheney. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 31 S., R. 27 W. Bored stock water-table well in alluvium and Upper Pleistocene deposits, diameter 6 inches, depth 18 feet. Measuring point, top south side of casing, 0.80 foot above lsd. Highest water level 6.23 below lsd, Sept. 9, 1953; lowest 12.30 below lsd, Sept. 20, 1939. Records available: 1939, 1952-59. Apr. 10, 8.37; July 7, 8.22; Oct. 21, 8.06.

234. (C) Chris Sobba. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 30 S., R. 27 W. Drilled unused water-table well in Ogallala Formation, diameter 16 inches, depth 210 feet. Measuring point, top of casing at land surface. An irrigation well nearby is affecting this well. Highest water level 11.47 below lsd, July 8, 11, 1956; lowest 47.11 below lsd, Aug. 5, 1955. Records available: 1939-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	15.95	.....	15.91	24.60	16.19	21.31	32.15	26.18	20.65	17.75	
10	16.18	15.89	.....	15.91	19.42	16.22	27.01	.....	35.70	19.57	17.65	
15	16.08	15.85	.....	15.94	17.67	17.26	24.01	38.57	.....	18.78	17.43	
20	16.02	15.91	.....	16.78	16.92	21.71	36.15	29.00	.....	18.53	17.31	
25	16.03	15.93	16.06	18.65	16.56	22.71	30.30	26.50	26.58	18.07	17.10	
30	16.03	.....	15.98	29.00	16.32	22.10	37.58	.....	22.63	18.02	17.13	

30-27-22-cd. (C) D. Zortman. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 21 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 11.73 below lsd, Apr. 22, 23, 1954; lowest 16.82 below lsd, Oct. 25, 1956. Records available: 1954-59. Jan. 8, 14.78; Apr. 10, 14.04; July 17, 15.71; Oct. 21, 16.08.

30-27-32ddd. (C) Meade County. Driven and bored observation water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 20 feet. Measuring point, top east side of pipe, 2.00 feet above lsd. Highest water level 8.93 below lsd, July 7, 1953; lowest dry, Mar. 19, 1957. Records available: 1953-59. Jan. 8, 15.65; Apr. 10, 15.13; July 17, 14.92; Oct. 21, 16.63.

33-28-29bc. (C) Fred Borchers. Drilled irrigation water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 16 inches, depth 160 feet. Measuring point, top northeast side of casing, 1.00 foot above lsd. Highest water level 14.23 below lsd, Mar. 16, 1954; lowest 18.15 below lsd, July 18, 1939. Records available: 1939, 1953-59. Jan. 8, 15.12; Apr. 10, 15.24; July 17, 16.90; Oct. 21, 16.08.

MITCHELL COUNTY

6-8-34ccc. (MB) R. L. Metcalf. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 48 inches, depth 32 feet, cribbed with stone. Measuring point, top surface board platform, 0.40 foot above lsd. Highest water level 15.40 below lsd, Apr. 2, 1959; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-59. Apr. 2, 15.40; Oct. 8, 17.53.

6-9-27ab. (MB) L. Lowdermilk. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 37 feet, cribbed with rock. Measuring point, top of rock base, 0.40 foot above lsd. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1935-59. Apr. 2, 23.50; Oct. 8, 24.00.

6-9-30da. (MB) J. Reinhardt. Drilled domestic and stock well in terrace deposits of Pleistocene age, diameter 6 inches, depth 37 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 17.90 below lsd, July 25, 1951; lowest 32.50 below lsd, Mar. 12, 1957. Records available: 1946-59. Apr. 2, 27.50; Oct. 8, 29.83.

7-6-34cba. (MB) Thelma Spicher. Drilled stock and observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 43 feet. Measuring point, top south edge of casing, at land surface. Highest water level 15.75 below lsd, Oct. 25, 1951; lowest dry Nov. 15, 1957

and throughout 1958. Records available: 1946-59. Apr. 1, 27.90. Measurement discontinued.

7-7-7aaa. (MB) A. McDysan. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 43 feet. Measuring point, top of rock curb, 1.00 foot above lsd. Highest water level 16.05 below lsd, Jan. 22, 1951; lowest 36.10 below lsd, Mar. 12, 1957. Records available: 1946-59. Apr. 2, 29.37; Oct. 8, 29.78.

7-7-15dcc. (MB) V. R. Schmidt. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 28 feet, cribbed with stone. Measuring point, top of surface stone curb, 0.30 foot above lsd. Highest water level 0.55 below lsd, July 25, 1951; lowest 26.64 below lsd, Mar. 12, 1957. Records available: 1946-59. Apr. 1, 22.08; Oct. 8, 23.94.

7-8-5cbb. (MB) Eva Meers. Drilled stock water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top north edge of casing, 1.50 feet above lsd. Highest water level 17.55 below lsd, Aug. 28, 1951; lowest dry, Mar. 12, 1957. Records available: 1946-59. Apr. 2, 27.50; Oct. 8, 26.25.

MORTON COUNTY

22. (C) E. A. Wilcox. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 31 S., R. 43 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 87 feet. Measuring point, top south side of casing, 1.20 feet above lsd. Highest water level 69.85 below lsd, May 20, 1952; lowest 78.29 below lsd, Aug. 14, 1958. Records available: 1939-53, 1956-59. Feb. 11, 71.04; May 15, 73.16; Aug. 19, 71.39.

65. (C) John Hentschel. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 33 S., R. 42 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 62 feet. Measuring point, top northeast side of casing, 0.40 foot above lsd. Highest water level 48.85 below lsd, Nov. 7, 1957; lowest dry, Feb. 11, 1959. Records available: 1939-54, 1956-59. Feb. 11, dry. Measurement discontinued.

117. (C) W. C. Washburn. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 35 S., R. 42 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 216 feet. Measuring point, top west side of casing, 1.20 feet above lsd. Highest water level 152.39 below lsd, Feb. 11, 1959; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-59. Feb. 11, 152.39; May 7, 154.51; Aug. 18, 154.00; Nov. 6, 153.94.

31-40-21dc. (C) Perry A. Williams. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 280 feet. Measuring point, hole in north side of pump base, 1.07 feet above lsd. Highest water level 156.15 below lsd, Mar. 2, 1959; lowest 162.80 below lsd, Nov. 6, 1959. Records available: 1959. Mar. 2, 156.15; Aug. 18, 160.10; Nov. 6, 162.80.

32-42-21bc. (C) Leon and Herbert Jackson. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 196 feet. Measuring point, hole in southwest side of pump base, 0.50 foot above lsd. Records available: 1959. Nov. 6, 86.96.

NESS COUNTY

1. (C) J. E. Ficken. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 20 S., R. 23 W. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter

19 inches, depth 70 feet. Measuring point, top east side of sill under pump, 2.00 feet above lsd. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-59. Jan. 20, 27.25; Apr. 17, 29.18; July 20, 29.54; Oct. 19, 29.53.

2. (C) C. L. Whitley. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 20 S., R. 22 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 20 inches, depth 58 feet. Measuring point, top south side of concrete curb, 0.50 foot above lsd. Highest water level 17.81 below lsd, July 12, 1951; lowest 33.69 below lsd, July 26, 1956. Records available: 1940-59. Jan. 20, 18.93; Apr. 17, 22.04; July 20, 29.10; Oct. 19, 23.45.

18-23-31ab. (Formerly listed as 18-23-31aa) (C) J. H. Lieker. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 54 feet. Measuring point, top west side of casing, 0.30 foot above lsd. Highest water level 47.45 below lsd, Oct. 19, 1959; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-59. Jan. 20, 48.13; Apr. 17, 48.13; July 20, 47.90; Oct. 19, 47.45.

NORTON COUNTY

2-21-1bb. (MB) Verner Ross. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 70 feet. Measuring point, top east side of pump base, 1.30 feet above lsd. Highest water level 18.76 below lsd, July 23, 1951; lowest 33.60 below lsd, Sept. 18, 1959. Records available: 1946-59. Mar. 4, 27.10; May 11, 25.70; Sept. 18, 33.60; Nov. 10, 30.40.

2-21-2bd. (MB) Vernon J. Hamilton. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 57 feet. Measuring point, top south side of casing, at land surface. Highest water level 17.69 below lsd, Aug. 26, 1951; lowest 29.90 below lsd, June 13, 1957. Records available: 1946-59. Mar. 4, 24.40; May 4, 24.80; Sept. 18, 27.90; Nov. 10, 27.00.

2-21-11aa. (MB) W. B. Woods. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 18 inches, depth 82 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 24.37 below lsd, Oct. 23, 1951; lowest 42.10 below lsd, Feb. 15, 1957. Records available: 1945-59. Mar. 4, 32.50; May 4, 31.90; Sept. 18, 39.75; Nov. 10, 35.80.

2-21-18aa. (MB) Mr. Haypkema. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 12 feet, depth 57 feet. Measuring point, top north side of plank, 0.41 foot above lsd. Highest water level 40.37 below lsd, May 24, 1952; lowest 43.48 below lsd, Feb. 9, 1950. Records available: 1947-55. No measurement made in 1959.

2-21-19dd. (MB) C. C. Alexander. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 79 feet. Measuring point, top east side of casing, 0.90 foot above lsd. Highest water level 59.10 below lsd, May 15, 1951; lowest 65.93 below lsd, Jan. 18, 1951. Records available: 1946-54. No measurement made in 1959.

2-22-26ac. (MB) Percy G. Whitaker. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 53

feet. Measuring point, top east side of pit, 0.10 foot above lsd. Highest water level 24.11 below lsd, July 24, 1951; lowest 29.80 below lsd, Apr. 26, 1949. Records available: 1946-54. No measurement made in 1959.

2-22-28aa. (MB) H. E. Fisher. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 51 feet. Measuring point, top of casing, at land surface. Highest water level 47.30 below lsd, July 31, 1947; lowest 49.70 below lsd, Sept. 2, 1949. Records available: 1947-55. No measurement made in 1959.

2-25-36dd. (C) L. B. McCabe. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 56 feet. Measuring point, top edge of casing, 1.00 foot above lsd. Highest water level 41.65 below lsd, Feb. 8, 1954; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954-59. Jan. 16, 42.07; Apr. 15, 41.94; July 15, 42.20; Oct. 13, 42.44.

4-23-14ad. (C) W. L. Kidder. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 92 feet. Measuring point, top east side of casing, 1.50 feet above lsd. Highest water level 65.10 below lsd, May 3, 1955; lowest 66.41 below lsd, Nov. 16, 1955. Records available: 1946, 1954-59. Jan. 16, 65.45; Apr. 15, 65.25; July 16, 65.56; Oct. 13, 65.66.

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6-11-34aa. (MB) Wm. E. Lowdon. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 41 feet, cribbed with rock. Measuring point, top of platform over well, 0.10 foot above lsd. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 39.49 below lsd, Dec. 11, 1952. Records available: 1945-59. Apr. 2, 34.88.

6-12-7bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 41 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 28.95 below lsd, Sept. 16, 1959; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	31.30	May 13	31.23	July 16	30.58	Sept. 16	28.95
Apr. 2	31.13	June 17	31.10	Aug. 20	29.30	Oct. 14	29.20

6-12-7dc. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter 3/4 inch, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.55 below lsd, June 19, 1951; lowest 25.57 below lsd, May 7, 1958. Records available: 1951-59.

Jan. 14	25.00	May 13	25.03	July 16	25.25	Sept. 16	25.06
Apr. 2	25.27	June 17	25.23	Aug. 20	25.25	Oct. 14	24.80
Apr. 16	25.00						

6-12-23cd. (MB) C. Fink. Dug domestic water-table well in terrace deposits of Pleistocene age, diameter 36 inches, depth 32 feet, cribbed with rock. Measuring point, top south side of board platform, 0.75 foot above lsd. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-59. Apr. 2, 23.65; Oct. 14, 23.33.

6-13-2dd. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter 3/4 inch, depth 41 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 29.85 below lsd, May 23, 1952; lowest 33.48 below lsd, June 20, 1957. Records available: 1951-58. Well destroyed.

7-12-15daa. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 1/4 inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 43.31 below lsd, Aug. 14, 1959; lowest 44.18 below lsd, Feb. 18, 1958. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
July 19, 1956	43.40	July 22, 1957	43.98	Aug. 15, 1958	43.72
Aug. 15	43.50	Aug. 14	44.16	Oct. 15	43.50
Sept. 12	43.58	Sept. 18	44.12	Feb. 18, 1959	43.34
Jan. 14, 1957	43.81	Feb. 18, 1958	44.18	Apr. 22	43.35
Apr. 18	44.00	Apr. 21	44.08	June 18	43.34
May 28	44.09	June 13	43.92	Aug. 14	43.31
June 21	44.12				

7-12-15ddd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 1/4 inches, depth 44 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 32.68 below lsd, Aug. 15, 1958; lowest 35.54 below lsd, Jan. 14, 1957. Records available: 1956-59.

July 19, 1956	35.26	July 22, 1957	33.87	Aug. 15, 1958	32.68
Aug. 15	35.22	Aug. 14	34.05	Oct. 15	32.90
Sept. 12	35.35	Sept. 18	34.16	Feb. 18, 1959	33.22
Jan. 14, 1957	35.54	Feb. 18, 1958	34.60	Apr. 22	33.31
Apr. 18	35.50	Apr. 21	33.30	June 18	33.25
May 28	35.13	June 13	32.86	Aug. 14	33.60
June 21	34.77				

7-12-23bc. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 1/4 inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 25.43 below lsd, Oct. 15, 1958; lowest 31.30 below lsd, May 17, 1956. Records available: 1956-59.

May 17, 1956	31.30	Sept. 18, 1957	28.21	Oct. 15, 1958	25.43
Apr. 18, 1957	29.08	Feb. 18, 1958	27.99	Feb. 18, 1959	26.77
May 28	28.40	Apr. 21	27.61	Apr. 22	27.07
June 21	28.45	June 13	27.00	June 18	28.80
July 22	28.18	Aug. 15	26.34	Aug. 14	27.08
Aug. 14	28.40				

7-12-28ab. (MB) C. E. Galley. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 47 feet, tile casing. Measuring point, top surface concrete platform, 0.50 foot above lsd. Highest water level 26.44 below lsd, May 25, 1952; lowest 34.63 below lsd, Mar. 12, 1957. Records available: 1946-59. Apr. 2, 32.10; Oct. 8, 32.46.

7-13-7aa. (MB) U.S.B.R. Drilled observation water-table well in al-

luvium, diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 51.29 below lsd, Apr. 22, 1959; lowest 53.29 below lsd, May 27, 1957. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
May 10, 1956	51.40	July 22, 1957	53.25	Aug. 15, 1958	51.93
Aug. 15	52.65	Aug. 14	53.12	Oct. 15	51.41
Sept. 12	52.65	Sept. 18	53.09	Feb. 18, 1959	51.34
Jan. 14, 1957	53.01	Feb. 18, 1958	53.18	Apr. 22	51.29
Apr. 18	53.19	Apr. 21	52.98	June 18	51.33
May 27	53.29	June 13	52.55	Aug. 14	51.49
June 21	53.28				

7-13-7da. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 31.90 below lsd, Aug. 14, 1959; lowest 33.63 below lsd, May 27, 1957. Records available: 1956-59.

July 19, 1956	32.92	July 22, 1957	33.47	Aug. 15, 1958	33.04
Aug. 15	33.04	Aug. 14	33.48	Oct. 15	32.60
Sept. 12	33.12	Sept. 18	33.50	Feb. 18, 1959	32.15
Jan. 14, 1957	33.35	Feb. 18, 1958	33.60	Apr. 22	32.10
Apr. 18	33.54	Apr. 21	33.52	June 18	31.95
May 27	33.63	June 13	33.27	Aug. 14	31.90
June 21	33.62				

7-13-10cba. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 36.50 below lsd, Apr. 22, 1959; lowest 40.55 below lsd, Aug. 15, 1956. Records available: 1956-59.

May 18, 1956	39.60	July 22, 1957	40.39	Aug. 15, 1958	38.32
Aug. 15	40.55	Aug. 14	40.31	Oct. 15	37.62
Sept. 12	40.10	Sept. 18	40.28	Feb. 18, 1959	36.56
Jan. 14, 1957	40.30	Feb. 18, 1958	40.28	Apr. 22	36.50
Apr. 18	40.45	Apr. 21	40.05	June 18	36.59
May 27	40.52	June 13	39.23	Aug. 14	36.75
June 21	40.48				

7-13-10cdd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 35.77 below lsd, Apr. 22, 1959; lowest 38.47 below lsd, Apr. 18, 1957. Records available: 1956-59.

Jan. 23, 1956	37.00	Aug. 14, 1957	37.61	Oct. 15, 1958	36.08
Jan. 14, 1957	38.20	Sept. 18	37.79	Feb. 18, 1959	35.87
Apr. 18	38.47	Feb. 18, 1958	37.97	Apr. 22	35.77
May 27	38.39	Apr. 21	37.55	June 18	35.85
June 21	38.21	June 13	36.64	Aug. 14	36.06
July 22	37.61	Aug. 15	36.23		

7-13-11ddd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 76 feet. Measuring point, top of pipe,

2.10 feet above lsd. Highest water level 62.23 below lsd, July 19, 1956; lowest 75.52 below lsd, Apr. 21, 1958. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
July 19, 1956	62.23	July 22, 1957	64.56	Aug. 15, 1958	65.36
Aug. 15	62.70	Aug. 14	64.71	Oct. 15	65.20
Sept. 12	62.79	Sept. 18	64.44	Feb. 18, 1959	64.75
Jan. 14, 1957	62.71	Feb. 18, 1958	65.90	Apr. 22	64.41
Apr. 18	62.30	Apr. 21	75.52	June 18	64.16
May 27	63.88	June 13	65.72	Aug. 14	64.09
June 21	64.64				

7-13-13bcc. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 43.43 below lsd, Aug. 14, 1959; lowest 44.31 below lsd, May 27, 1957. Records available: 1956-59.

July 19, 1956	43.50	July 22, 1957	43.99	Aug. 15, 1958	43.70
Aug. 15	43.52	Aug. 14	44.00	Oct. 15	43.64
Sept. 12	43.60	Sept. 18	43.95	Feb. 18, 1959	43.65
Jan. 14, 1957	43.89	Feb. 18, 1958	44.19	Apr. 22	43.61
Apr. 18	44.16	Apr. 21	44.00	June 18	43.57
May 27	44.31	June 13	43.85	Aug. 14	43.43
June 21	44.18				

7-13-14dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.67 below lsd, June 21, 1957; lowest 13.42 below lsd, Jan. 14, 1957. Records available: 1956-59.

May 15, 1956	12.80	July 22, 1957	8.15	Aug. 15, 1958	11.10
Aug. 15	12.80	Aug. 14	9.92	Oct. 15	12.40
Sept. 12	13.41	Sept. 18	11.45	Feb. 18, 1959	12.46
Jan. 14, 1957	13.42	Feb. 18, 1958	12.72	Apr. 22	12.17
Apr. 18	12.93	Apr. 21	10.45	June 18	12.11
May 27	12.36	June 13	9.50	Aug. 14	13.20
June 21	5.67				

7-13-15bbb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 17.43 below lsd, Aug. 15, 1958; lowest 20.86 below lsd, Apr. 18, 1957. Records available: 1956-59.

May 14, 1956	20.60	July 22, 1957	19.79	Aug. 15, 1958	17.43
Aug. 15	20.45	Aug. 14	19.88	Oct. 15	17.66
Sept. 12	20.54	Sept. 18	20.05	Feb. 18, 1959	17.84
Jan. 14, 1957	20.75	Feb. 18, 1958	20.46	Apr. 22	17.99
Apr. 18	20.86	Apr. 21	18.72	June 18	17.85
May 27	20.73	June 13	17.59	Aug. 14	18.04
June 21	19.77				

7-13-15da. (MB) J. W. Bathurst. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 53 feet, tile casing. Measuring point, top surface board platform, 1.30 feet above lsd. Highest water level 29.14 below lsd, July 25, 1951; lowest 41.47 below lsd, Mar. 12, 1957. Records available: 1946-59. Apr. 2, 37.17; Oct. 8, 38.49.

7-13-16add. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 65 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 35.47 below lsd, July 22, 1957; lowest 41.86 below lsd, Sept. 12, 1956. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
May 16, 1956	41.30	July 22, 1957	35.47	Aug. 15, 1958	39.35
Aug. 15	39.75	Aug. 14	38.20	Oct. 15	39.75
Sept. 12	41.86	Sept. 18	39.35	Feb. 18, 1959	39.65
Jan. 14, 1957	41.65	Feb. 18, 1958	39.40	Apr. 22	39.36
Apr. 18	41.52	Apr. 21	38.23	June 18	39.67
May 27	41.27	June 13	38.45	Aug. 14	41.13
June 21	36.56				

7-13-17bbc. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 14 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.63 below lsd, July 22, 1957; lowest 9.72 below lsd, Apr. 18, 1957. Records available: 1956-59.

May 11, 1956	9.40	July 22, 1957	5.63	Aug. 15, 1958	8.12
Aug. 15	9.30	Aug. 14	6.65	Oct. 15	8.27
Sept. 12	9.45	Sept. 18	7.15	Feb. 18, 1959	8.65
Jan. 14, 1957	9.70	Feb. 18, 1958	8.52	Apr. 22	8.77
Apr. 18	9.72	Apr. 21	7.02	June 18	8.93
May 27	9.52	June 13	7.80	Aug. 14	9.24

7-13-17cbb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 24.00 below lsd, Jan. 17, 1957; lowest 35.31 below lsd, Apr. 18, 1957. Records available: 1957-59.

Jan. 17, 1957	24.00	Sept. 18, 1957	32.58	Oct. 15, 1958	33.64
Apr. 18	35.31	Feb. 18, 1958	34.12	Feb. 18, 1959	33.79
May 27	35.11	Apr. 21	32.65	Apr. 22	33.40
June 21	34.10	June 13	32.26	June 18	33.93
July 22	31.68	Aug. 15	33.18	Aug. 14	34.48
Aug. 14	31.63				

7-14-4aa. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 47 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 32.60 below lsd, Feb. 18, 1959; lowest 36.18 below lsd, Apr. 18, 1957. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
May 9, 1956	33.70	July 22, 1957	35.55	Aug. 15, 1958	33.37
Aug. 15	35.22	Aug. 14	35.41	Oct. 15	33.05
Sept. 12	35.28	Sept. 18	35.29	Feb. 18, 1959	32.60
Jan. 14, 1957	35.88	Feb. 18, 1958	35.44	Apr. 22	32.64
Apr. 18	36.18	Apr. 21	34.62	June 18	32.67
May 27	36.09	June 13	33.98	Aug. 14	32.70
June 21	35.79				

7-14-4ad. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 36 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 23.40 below lsd, May 8, 1956; lowest 26.59 below lsd, Apr. 18, 1957. Records available: 1956-59.

May 8, 1956	23.40	July 22, 1957	25.28	Aug. 15, 1958	23.97
Aug. 15	25.56	Aug. 14	25.34	Oct. 15	23.99
Sept. 12	25.80	Sept. 18	25.24	Feb. 18, 1959	24.09
Jan. 14, 1957	26.26	Feb. 18, 1958	25.80	Apr. 22	24.12
Apr. 18	26.59	Apr. 21	24.70	June 18	24.13
May 7	26.08	June 13	24.30	Aug. 14	24.26
June 21	25.95				

7-14-4dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.51 below lsd, Aug. 15, 1958; lowest 22.37 below lsd, Apr. 18, 1957. Records available: 1956-59.

May 4, 1956	20.70	July 22, 1957	20.98	Aug. 15, 1958	20.51
Aug. 15	21.77	Aug. 14	21.07	Oct. 15	20.68
Sept. 12	20.85	Sept. 18	21.15	Feb. 18, 1959	20.73
Jan. 14, 1957	22.15	Feb. 18, 1958	21.64	Apr. 22	20.85
Apr. 18	22.37	Apr. 21	20.82	June 18	20.77
May 27	22.09	June 13	20.59	Aug. 14	20.84

7-14-10bb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.01 below lsd, June 13, 1958; lowest 10.74 below lsd, Apr. 18, 1957. Records available: 1956-59.

May 10, 1956	9.60	July 22, 1957	8.14	Aug. 15, 1958	8.51
Aug. 15	10.14	Aug. 14	8.75	Oct. 15	9.15
Sept. 12	10.35	Sept. 18	9.31	Feb. 18, 1959	9.25
Jan. 14, 1957	10.73	Feb. 18, 1958	9.96	Apr. 22	9.19
Apr. 18	10.74	Apr. 21	7.69	June 18	9.14
May 27	10.11	June 13	8.01	Aug. 14	9.70
June 21	8.72				

7-14-10dd. (MB) John Clark. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 38 feet, tile casing. Measuring point, top surface board platform, 0.70 foot above lsd.

Highest water level 27.69 below lsd, May 25, 1952; lowest dry, Oct. 8, 1959. Records available: 1946-59. Apr. 2, 30.40; Oct. 8, dry.

7-15-8ba. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 34.20 below lsd, June 13, 1958; lowest 35.87 below lsd, Apr. 18, 1957. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level
Aug. 15, 1956	35.40	July 22, 1957	35.34	Aug. 15, 1958	34.25
Sept. 12	35.42	Aug. 14	34.95	Oct. 15	34.33
Jan. 14, 1957	35.69	Sept. 18	34.91	Feb. 18, 1959	34.53
Apr. 18	35.87	Feb. 18, 1958	34.83	Apr. 22	34.68
May 27	35.81	Apr. 21	34.62	June 18	34.66
June 21	35.57	June 13	34.20	Aug. 14	34.67

7-15-8cc. (MB) F. Dibble. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 26 feet, cribbed with stone. Measuring point, top surface cement platform, 1.10 feet above lsd. Highest water level 14.80 below lsd, May 26, 1950; lowest 25.78 below lsd, Mar. 8, 1950. Records available: 1946-59. Apr. 2, 21.60; Oct. 8, 22.68.

7-15-12dc. (MB) Tom Hale, Jr. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 36 feet, tile casing. Measuring point, top south edge of casing, 1.30 feet above lsd. Highest water level 9.16 below lsd, Sept. 18, 1956; lowest 25.00 below lsd, July 10, 1955. Records available: 1946-59. Apr. 2, 16.88; Oct. 8, 15.02.

7-15-17ac. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 21.76 below lsd, Aug. 14, 1957; lowest 24.39 below lsd, Apr. 18, 1957. Records available: 1956-59.

May 8, 1956	23.90	July 22, 1957	24.30	Aug. 15, 1958	21.77
Aug. 15	23.94	Aug. 14	21.76	Oct. 15	22.04
Sept. 12	24.17	Sept. 18	22.00	Feb. 18, 1959	22.43
Jan. 14, 1957	24.30	Feb. 18, 1958	23.10	Apr. 22	24.37
Apr. 18	24.39	Apr. 21	22.70	June 18	22.62
May 27	24.30	June 13	22.00	Aug. 14	22.77
June 21	23.88				

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7. (C) Ralph Lupfer. NE¼ NE¼ sec. 18, T. 22 S., R. 17 W. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 19 inches, depth 124 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level 18.95 below lsd, June 25, 1951; lowest 38.28 below lsd, Sept. 18, 1956. Records available: 1940-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	25.78	Apr. 17	25.79	July 20	26.52	Oct. 19	27.21
Feb. 20	25.82	May 20	25.67	Aug. 19	29.75	Nov. 19	28.09
Mar. 20	25.79	June 23	26.12	Sept. 21	30.21	Dec. 17	27.51

8. (C) F. B. Reed. NW¼ NW¼ sec. 6, T. 22 S., R. 16 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 34 feet. Measuring point, top south side of concrete curb, 1.50 feet above lsd. Highest water level 7.01 below lsd, Aug. 29, 1950; lowest 18.72 below lsd, Sept. 18, 1956. Records available: 1940-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	12.21	Apr. 17	13.52	July 20	13.70	Oct. 19	14.29
Feb. 20	12.94	May 20	13.61	Aug. 19	14.20	Nov. 19	14.38
Mar. 20	12.74	June 23	13.79	Sept. 21	14.69	Dec. 17	16.40

21-19-30cc. (C) Kathryn Moller. Irrigation water-table well in terrace deposits, depth 110 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 27.71 below lsd, Dec. 17, 1959; lowest 33.27 below lsd, Sept. 21, 1959. Records available: 1959. May 1, 32.64; Sept. 21, 33.27; Oct. 19, 33.02; Nov. 19, 32.87; Dec. 17, 27.71.

PHILLIPS COUNTY

4-16-34bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 35 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 24.55 below lsd, June 14, 1951; lowest 30.50 below lsd, Mar. 12, Aug. 13, 1957. Records available: 1951-59. Apr. 2, 27.63; Oct. 14, 25.98.

4-16-36aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 41 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 1.15 below lsd, July 21, 1951; lowest 30.53 below lsd, Mar. 12, 1957. Records available: 1951-59. Apr. 2, 25.16.

4-19-35ab. (MB) Glenn Seeger. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 35 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 7.43 below lsd, May 24, 1952; lowest 15.93 below lsd, Mar. 12, 1957. Records available: 1946-59. Apr. 2, 15.59; Oct. 14, 15.87.

4-20-21cc. (MB) Fred Albrecht. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 152 feet. Measuring point, top north side of casing, 1.00 foot above lsd. Highest water level 47.60 below lsd, Sept. 11, 1952; lowest 49.57 below lsd, Oct. 14, 1959. Records available: 1946-59. Apr. 2, 49.30; Oct. 14, 49.57.

POTTAWATOMIE COUNTY

9-11-31dcc. (C) Div. of Water Resources. Driven observation water-table well in alluvium, depth 30 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 13.38 below lsd, Jan. 9, 1959; lowest 15.92 below lsd, Sept. 8, 1959. Records available: 1959.

June 9	13.38	July 31	14.46	Oct. 6	15.33	Dec. 3	15.74
July 6	14.27	Sept. 8	15.92	Nov. 5	15.04		

10-8-13bb. (C) John J. Vanier. Dug and drilled unused irrigation well in alluvium, diameter 18 inches, depth 44 feet. Measuring point, bottom edge 2-inch elbow 1.00 foot above lsd. Highest water level 16.08 below lsd, June 9, 1959; lowest 18.69 below lsd, Dec. 3, 1959. Records available: 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 9	16.08	July 31	16.83	Oct. 6	18.50	Dec. 3	18.69
July 6	16.43	Sept. 8	18.39	Nov. 5	18.28		

PRATT COUNTY

26-11-13da. (C) H. C. Jeffers. Drilled unused well in sand and gravel of Pleistocene age, diameter 8 inches, depth 29 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 7.10 below lsd, Aug. 23, 1951; lowest 15.93 below lsd, Apr. 3, 1957. Records available: 1951-59. Jan. 22, 13.09; Apr. 21, 13.45; July 22, 13.38; Oct. 21, 13.29.

26-13-34bc. (C) George Soaken. Industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 87 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 41.67 below lsd, Apr. 30, 1959; lowest 42.15 below lsd, Oct. 21, 1959. Records available: 1959. Apr. 30, 41.67; July 22, 42.00; Oct. 21, 42.15.

29-13-13aa. (C) E. R. Kessler. Drilled unused irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth 125 feet. Measuring point, top south side of concrete platform, 0.40 foot above lsd. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-59. Jan. 22, 89.93; Apr. 20, 90.12; July 22, 89.84; Oct. 20, 89.79.

RAWLINS COUNTY

1-33-29cc. (C) Joseph Parker. Drilled stock water-table well in Ogallala Formation, diameter 5 inches, depth 125 feet. Measuring point, top south side of casing, 0.60 foot above lsd. Highest water level 115.48 below lsd, Feb. 22, 1955; lowest 117.28 below lsd, Nov. 23, 1954. Records available: 1952-59. Jan. 16, 115.94; Apr. 14, 115.90; July 14, 116.07; Oct. 13, 116.17.

3-31-7cb. (C) Ernest Carlson. Drilled stock water-table well in Ogallala Formation, depth 165 feet. Measuring point, hole in east side of pump base, 0.25 foot above lsd. Highest water level 146.46 below lsd, Apr. 14, 1959; lowest 146.76 below lsd, Oct. 13, 1959. Records available: 1959. Apr. 14, 146.46; July 14, 146.60; Oct. 13, 146.76.

3-31-8ba. (C) C. A. Falconer. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 197 feet. Measuring point, top east side of casing, 0.30 foot above lsd. Highest water level 191.19 below lsd, June 12, 1952; lowest 196.84 below lsd, Aug. 28, 1956. Records available: 1952-58. Measurement discontinued.

3-33-3dcc. (C) George Argabright. Drilled irrigation water-table well in Ogallala Formation, diameter 18 inches, depth 68 feet. Measuring point, hole in north side pump head base, at land surface. Highest water level

21.67 below lsd, May 13, 1959; lowest 24.41 below lsd, Oct. 13, 1959. Records available: 1959. May 13, 21.67; July 14, 23.33; Oct. 13, 24.41.

3-36-23bb. (C) C. Sramek. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 193 feet. Measuring point, base of hole in southeast side of casing, 0.35 foot above lsd. Highest water level 168.75 below lsd, Aug. 4, 1952; lowest 186.19 below lsd, Nov. 23, 1954. Records available: 1952-59. Jan. 15, 184.50; Apr. 14, 184.47; July 14, 184.55; Oct. 13, 184.64.

4-33-18dd. (C) W. B. Minney. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 103 feet. Measuring point, top north side of hole drilled in pump base, 1.30 feet above lsd. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 88.52 below lsd, Oct. 13, 1959. Records available: 1952-59. Jan. 15, 88.26; Apr. 14, 88.34; July 14, 88.36; Oct. 13, 88.52.

RENO COUNTY

22-6-32aa. (C) Phil M. Clarke. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 12 inches, depth 22 feet. Measuring point, south edge of casing, 0.10 foot above lsd. Highest water level 5.76 below lsd, June 24, 1959; lowest 8.12 below lsd, Sept. 22, 1959. Records available: 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 25	5.81	July 23	7.09	Sept. 22	8.12	Nov. 20	7.42
June 24	5.76	Aug. 18	7.65	Oct. 21	7.16	Dec. 18	7.67

REPUBLIC COUNTY

1-5-7bb. (MB) U.S.G.S. Driven and bored observation water-table well in alluvium, diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 2.75 below lsd, Sept. 9, 1958; lowest 9.62 below lsd, Mar. 28, 1956. Records available: 1947-59. Feb. 4, 7.08; May 6, 5.08; July 2, 5.75; Sept. 4, 7.94.

1-5-7cb. (MB) U.S.G.S. Bored observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.38 below lsd, July 24, 1951; lowest 23.13 below lsd, Apr. 24, 1957. Records available: 1947-59. Feb. 4, 19.49; May 6, 18.55; July 2, 17.03; Sept. 4, 18.35.

1-5-8cb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 4.97 below lsd, Sept. 9, 1958; lowest 11.41 below lsd, Feb. 21, 1957. Records available: 1955-59. Feb. 3, 8.60; May 6, 5.85; July 2, 7.17; Sept. 4, 9.94.

1-5-8dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.70 below lsd, May 3, 1951; lowest 8.57 below lsd, Sept. 1, 1955. Records available: 1950-59. Feb. 4, 3.86; May 6, 0.93; July 2, 3.22; Sept. 4, 6.32.

1-5-9ba. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 38 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.18 below lsd, May 13, 1952; lowest 24.22 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 20.00; July 21, 21.70; Sept. 30, 23.00.

1-5-14dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.93 below lsd, Mar. 19, 1952; lowest 10.42 below lsd, Oct. 15, 1953. Records available: 1950-56, 1958-59. May 13, 3.90; July 21, 6.40; Sept. 30, 9.40.

1-5-16dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 18 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.47 below lsd, Sept. 9, 1958; lowest dry, June 16, 1955. Records available: 1950-59. Feb. 4, 11.93; May 6, 11.13; July 2, 11.30; Sept. 4, 13.40.

1-5-18aa. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 3.44 below lsd, May 6, 1959; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 3, 5.76; May 6, 3.44; July 2, 5.55; Sept. 4, 8.73.

1-5-18bb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 28 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 20.98 below lsd, Sept. 1, 1955; lowest 23.30 below lsd, Mar. 28, 1956. Records available: 1955-59. Feb. 4, 22.49; May 6, 22.30; July 2, 22.08; Sept. 4, 22.37.

1-5-18cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 46.60 below lsd, Sept. 4, 1959; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 47.69; May 6, 47.96; July 2, 47.49; Sept. 4, 46.60.

1-5-18da. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 93 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 67.90 below lsd, Sept. 9, 1958; lowest 79.29 below lsd, May 6, 1958. Records available: 1955-59. Feb. 3, 68.48; May 6, 68.76; July 2, 68.29; Sept. 4, 68.33.

1-5-19cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 65 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 24.13 below lsd, Sept. 4, 1959; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-59. Feb. 4, 28.69; May 6, 29.24; July 2, 28.56; Sept. 4, 24.13.

1-5-19cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 29.11 below lsd, Sept. 4, 1959; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 30.45; May 6, 30.49; July 2, 30.62; Sept. 4, 29.11.

1-5-20cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 35.58 below lsd,

Sept. 4, 1959; lowest 43.10 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 36.34; May 6, 35.95; July 2, 35.94; Sept. 4, 35.58.

1-5-21cc. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 14.81 below lsd, Sept. 4, 1959; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-59. Feb. 4, 18.75; May 6, 18.62; July 2, 17.88; Sept. 4, 14.81.

1-5-32cc. (MB) Fred Morlan. Dug observation water-table well in sand and gravel of Pleistocene age, diameter 96 inches, depth 27 feet. Measuring point, edge of brick casing, at land surface. Highest water level 6.89 below lsd, July 2, 1959; lowest 15.36 below lsd, Mar. 28, 1956. Records available: 1953-59. May 6, 7.27; July 2, 6.89; Sept. 4, 9.44.

1-5-34bb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.85 below lsd, Sept. 9, 1958; lowest dry, Apr. 24, 1957. Records available: 1949-59. Feb. 3, 15.25; May 6, 16.09; July 2, 12.31; Sept. 4, 8.40.

2-4-18cc. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 36 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.90 below lsd, July 5, 1951; lowest 18.83 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 14.70; July 21, 16.40; Sept. 30, 17.95.

2-4-18dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 44 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 22.00 below lsd, Dec. 4, 1951; lowest 31.80 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 29.65; July 21, 29.40; Sept. 30, 29.50.

2-4-31aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 17 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.38 below lsd, Mar. 19, 1952; lowest 8.67 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 3.70; July 21, 4.70; Sept. 30, 6.65.

2-4-32cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.07 below lsd, Mar. 19, 1952; lowest 13.65 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 2.85; July 21, 5.50; Sept. 30, 7.85.

2-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 12.60 below lsd, May 8, 1959; lowest 18.07 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 4, 15.21; May 8, 12.60; July 6, 13.10; Sept. 9, 14.57.

2-5-6bbb. (MB) U.S.B.R. Drilled well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 39.37 below lsd, Aug. 8, 1956; lowest 40.37 below lsd, Apr. 24, 1957. Records available: 1955-59. Feb. 4, 39.90; May 6, 39.99; July 2, 39.85.

2-5-6dd. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 46 feet. Measuring point,

top of pipe, 2.10 feet above lsd. Highest water level 15.50 below lsd, Sept. 9, 1959; lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-59. Feb. 4, 20.44; May 6, 18.53; July 6, 17.03; Sept. 9, 15.50.

2-5-7bb. (MB) U.S.B.R. Jetted observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.20 below lsd, Sept. 4, 1959; lowest 26.80 below lsd, June 7, 1956. Records available: 1955-59. Feb. 4, 22.68; May 6, 22.93; July 2, 18.72; Sept. 4, 16.20.

2-5-7dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.12 below lsd, July 6, 1959; lowest 28.21 below lsd, May 8, 1957. Records available: 1956-59. Feb. 3, 25.11; May 8, 24.48; July 6, 24.12; Sept. 9, 24.49.

2-5-9aa. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 13.83 below lsd, May 8, 1959; lowest 16.34 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 4, 16.13; May 8, 13.83; July 6, 13.92; Sept. 9, 15.33.

2-5-10cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.54 below lsd, May 8, 1959; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 4, 11.95; May 8, 8.54; July 6, 10.37; Sept. 9, 13.91.

2-5-10dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 42 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 29.62 below lsd, July 6, 1959; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-59. Feb. 4, 30.81; May 8, 30.24; July 6, 29.62; Sept. 9, 29.79.

2-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 27.19 below lsd, Sept. 9, 1959; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-59. Feb. 4, 28.63; May 8, 27.74; July 6, 27.76; Sept. 9, 27.19.

2-5-17aa. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.93 below lsd, July 6, 1959; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 4, 10.70; May 8, 6.93; July 6, 8.12; Sept. 9, 9.95.

2-5-18bb. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 49 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 7.90 below lsd, Sept. 9, 1959; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 4, 10.49; May 8, 8.65; July 6, 8.24; Sept. 9, 7.90.

2-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.73 below lsd, Sept. 11, 1958; lowest 18.30 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 4, 16.75; May 8, 16.25; July 6, 15.16; Sept. 9, 17.05.

2-5-19cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches,

depth 23 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 3.97 below lsd, May 11, 1959; lowest 11.33 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 6, 7.28; May 11, 3.97; July 6, 5.70; Sept. 9, 6.70.

2-5-20aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 19.37 below lsd, May 8, 1959; lowest 25.65 below lsd, Sept. 20, 1956. Records available: 1956-59. Feb. 4, 21.10; May 8, 19.37; July 6, 20.15; Sept. 9, 22.50.

2-5-20dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 6.71 below lsd, May 11, 1959; lowest 17.14 below lsd, Nov. 8, 1956. Records available: 1956-59. Feb. 6, 13.64; May 11, 6.71; July 6, 11.01; Sept. 9, 8.73.

2-5-21aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.80 below lsd, July 6, 1959; lowest 25.33 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 4, 24.00; May 8, 23.88; July 6, 23.80; Sept. 9, 24.08.

2-5-23dd. (MB) U.S.G.S. Jetted observation well in alluvium, diameter ¾ inch, depth 13 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 2.30 below lsd, July 5, 1951; lowest 8.96 below lsd, Mar. 21, 1957. Records available: 1950-59. Feb. 4, 7.18; May 8, 6.09; July 6, 6.22; Sept. 9, 6.00.

2-5-27aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 59 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 31.47 below lsd, Sept. 9, 1959; lowest 34.94 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 4, 32.80; May 8, 32.16; July 6, 31.88; Sept. 9, 31.47.

2-5-27cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 26.32 below lsd, May 11, 1959; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-59. Feb. 4, 27.22; May 11, 26.32; July 6, 26.48; Sept. 9, 26.45.

2-5-28aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 11.04 below lsd, Sept. 9, 1959; lowest 19.57 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 4, 16.16; May 8, 12.45; July 6, 13.75; Sept. 9, 11.04.

2-5-28cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.46 below lsd, Mar. 29, 1956; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-59. Feb. 4, 14.43; May 11, 13.90; July 6, 13.85; Sept. 9, 13.73.

2-5-30aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 19.48 below lsd, May 12, 1958; lowest 24.57 below lsd, May 8, 1957. Records available: 1956-59. Feb. 2, 22.25; May 8, 20.92; July 6, 20.77; Sept. 9, 21.65.

2-5-31aa. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 19.72 below lsd, Sept. 9, 1959; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-59. Feb. 4, 20.95; May 11, 20.50; July 6, 20.34; Sept. 9, 1972.

2-5-31dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 20.38 below lsd, July 12, 1956; lowest 23.20 below lsd, Feb. 19, 1958. Records available: 1956-58. No measurement made in 1959.

2-5-35dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 36.00 below lsd, Sept. 9, 1959; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 6, 37.86; May 11, 37.51; July 6, 37.17; Sept. 9, 36.00.

2-5-36ab. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.10 below lsd, Aug. 6, 1951; lowest 22.30 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-59. May 13, 20.60; July 21, 20.75; Sept. 30, 20.95.

3-4-17bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 22 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.00 below lsd, July 3, 1951; lowest 11.69 below lsd, Feb. 20, 1957. Records available: 1950-59. Feb. 9, 6.63; May 13, 5.05; July 3, 5.64; Sept. 10, 8.51.

3-4-17cc. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.20 below lsd, July 3, 1951; lowest 8.99 below lsd, Sept. 22, 1955. Records available: 1950-59. Feb. 9, 4.88; May 12, 4.88; July 3, 4.64. Measurement discontinued.

3-4-28ab. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 43 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 17.70 below lsd, Aug. 1, 1951; lowest 28.22 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-59. May 13, 26.20; July 21, 26.15; Sept. 30, 18.35.

3-4-29ab. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 25 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.50 below lsd, July 2, 1951; lowest 9.64 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 6.55; July 21, 8.00; Sept. 30, 9.45.

3-4-30ba. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 48 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 40.60 below lsd, Sept. 24, 1958; lowest 44.91 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 9, 42.32; May 13, 41.99; July 10, 42.77.

3-4-32cc. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 16 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 0.70 below lsd, June 13, 1951; lowest 8.84 below lsd, Mar. 21, 1957. Records available: 1950-59. Feb. 9, 6.02; May 13, 5.85; July 7, 5.78; Sept. 11, 5.86.

3-5-1ab. (MB) U.S.G.S. Jetted observation well in sand, diameter 3/4 inch, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.80 below lsd, June 15, 1951; lowest 13.73 below lsd, Nov. 8, 1956. Records available: 1950-59. Feb. 6, 9.96; May 11, 8.95.

3-5-2ba. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.12 below lsd, Sept. 9, 1959; lowest 20.65 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 6, 18.41; May 11, 15.85; July 6, 16.49; Sept. 9, 15.12.

3-5-3aa. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 27 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 15.94 below lsd, July 6, 1959; lowest 18.81 below lsd, Feb. 19, 1958. Records available: 1956-59. May 8, 16.12; July 6, 15.94; Sept. 9, 16.31.

3-5-3cc. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.33 below lsd, May 11, 1959; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-59. Feb. 6, 25.64; May 11, 24.33; July 6, 24.78; Sept. 9, 27.06.

3-5-4aa. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 47 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 18.54 below lsd, Sept. 9, 1959; lowest 25.47 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 6, 21.16; May 11, 20.44; July 6, 20.12; Sept. 9, 18.54.

3-5-5aa. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 52 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.15 below lsd, Sept. 9, 1959; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 6, 13.78; May 11, 12.76; July 6, 12.62; Sept. 9, 10.15.

3-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 55 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.58 below lsd, May 11, 1959; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 6, 20.60; May 11, 17.58; July 6, 18.58; Sept. 9, 19.72.

3-5-6dd. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 36 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 14.89 below lsd, May 11, 1959; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-59. Feb. 6, 18.39; May 11, 14.89; July 6, 15.83; Sept. 9, 18.09.

3-5-8cc. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 23 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 12.88 below lsd, May 12, 1959; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-59. Feb. 9, 17.76; May 12, 12.88; July 3, 13.89; Sept. 9, 14.96.

3-5-9dd. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches, depth 44 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 18.10 below lsd, May 12, 1959; lowest 23.78 below lsd, Feb. 20, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 20.48; May 12, 18.10; July 3, 18.89; Sept. 9, 21.42.

3-5-10aa. (MB) U.S.B.R. Drilled observation well, diameter 1 1/4 inches,

depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.36 below lsd, Mar. 29, 1956; lowest 26.49 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 6, 25.48; May 11, 25.38; July 6, 25.28; Sept. 9, 24.86.

3-5-11cc. (MB) U.S.B.R. Bored observation well in clay, diameter $1\frac{1}{4}$ inches, depth 17 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.89 below lsd, May 14, 1952; lowest dry, entire year of 1957. Records available: 1950-59. Feb. 9, 14.27; May 12, 14.24; July 3, 13.29.

3-5-11dd. (MB) Rex Farrell. Dug unused well, diameter 36 inches, depth 40 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 13.71 below lsd, May 14, 1952; lowest 26.99 below lsd, May 12, 1958. Records available: 1950-59. Feb. 9, 23.16; May 12, 22.57; July 3, 23.65; Sept. 9, 26.44.

3-5-12aa. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 16.72 below lsd, July 3, 1959; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 17.73; May 12, 17.43; July 3, 16.72; Sept. 9, 16.96.

3-5-12bb. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 14.17 below lsd, Sept. 9, 1959; lowest 20.37 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 6, 18.43; May 11, 17.43; July 3, 17.56; Sept. 9, 14.17.

3-5-12cd. (MB) U.S.B.R. Driven observation well, diameter $1\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 26.05 below lsd, May 12, 1959; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 28.36; May 12, 26.05; July 3, 27.45; Sept. 9, 29.45.

3-5-13cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.60 below lsd, May 12, 1959; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 19.57; May 12, 16.60; July 3, 17.20; Sept. 9, 17.28.

3-5-14cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 23.84 below lsd, Sept. 9, 1959; lowest 27.52 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 9, 25.25; May 12, 24.92; July 3, 24.75; Sept. 9, 23.84.

3-5-16bb. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.45 below lsd, Sept. 9, 1959; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 27.39; May 12, 25.60; July 3, 24.25; Sept. 9, 20.45.

3-5-16cd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 54 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 23.70 below lsd, Sept. 9, 1959; lowest 30.16 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 9, 26.90; May 12, 25.00; July 3, 24.63; Sept. 9, 23.70.

3-5-16dd. (MB) U.S.B.R. Bored observation well in clay, diameter $1\frac{1}{4}$

inches, depth 9 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.70 below lsd, Sept. 23, 1958; lowest dry, entire year of 1957. Records available: 1949-59. Feb. 9, 4.62; May 12, 4.45; July 3, 3.06; Sept. 9, 6.16.

3-5-18cd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 34 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 9.50 below lsd, May 12, 1959; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 13.02; May 12, 9.50; July 3, 10.43; Sept. 9, 14.72.

3-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 34 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 21.01 below lsd, July 3, 1959; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 9, 21.57; May 12, 21.46; July 3, 21.01; Sept. 9, 21.99.

3-5-20ab. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 34 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 20.94 below lsd, Mar. 29, 1956; lowest 25.59 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 9, 24.69; May 12, 21.31; July 3, 21.55; Sept. 9, 21.16.

3-5-20cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 19.78 below lsd, July 3, 1959; lowest dry, entire year of 1957, Feb. 9, 1959. Records available: 1956-59. Feb. 9, dry; May 13, 20.27; July 3, 19.78; Sept. 10, 20.62.

3-5-21cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 18.87 below lsd, Sept. 10, 1959; lowest 27.99 below lsd, Feb. 19, 1958. Records available: 1956-59. Feb. 9, 25.54; May 12, 22.43; July 3, 22.95; Sept. 10, 18.87.

3-5-21dd. (MB) U.S.B.R. Bored observation well in clay, diameter $1\frac{1}{4}$ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.80 below lsd, May 14, 1952; lowest dry, entire year of 1957. Records available: 1949-59. Feb. 9, 12.64; May 13, 9.88; July 3, 10.37; Sept. 10, 7.25.

3-5-22cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 14.78 below lsd, Sept. 10, 1959; lowest dry, May 8, 1957. Records available: 1956-59. Feb. 9, 24.62; May 13, 22.35; July 3, 21.04; Sept. 10, 14.78.

3-5-29cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 28 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 13.80 below lsd, May 13, 1959; lowest 23.56 below lsd, June 6, 1956. Records available: 1956-59. Feb. 9, 15.93; May 13, 13.80. Well destroyed.

3-5-33cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 29 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 15.20 below lsd, Sept. 11, 1959; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-59. Feb. 9, 21.76; May 13, 21.27; July 7, 20.00; Sept. 11, 15.20.

3-5-35bb. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest

water level 9.94 below lsd, May 13, 1959; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-59. Feb. 9, 12.65; May 13, 9.94; July 3, 11.37; Sept. 10, 11.72.

4-4-4aa. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.05 below lsd, Feb. 23, 1950; lowest 20.55 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958. No measurement made in 1959.

4-4-4cc. (MB) U.S.G.S. Jetted well in alluvium, diameter $\frac{3}{4}$ inch, depth 20 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 4.50 below lsd, July 2, 1951; lowest 12.76 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-59. May 13, 9.70; July 2, 10.65; Sept. 30, 12.10.

4-4-5aa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth 34 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.80 below lsd, Aug. 1, 1951; lowest 7.05 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. May 13, 4.55; July 21, 6.45; Sept. 30, 6.90.

4-4-6dc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 55 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 46.40 below lsd, Sept. 11, 1959; lowest 51.50 below lsd, Feb. 9, 1959. Records available: 1956-59. Feb. 9, 51.50; May 13, 50.97; July 7, 51.19; Sept. 11, 46.40.

4-4-17dc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.00 below lsd, June 13, 1951; lowest 7.40 below lsd, Sept. 30, 1959. Records available: 1950-56, 1958-59. Feb. 25, 5.30; May 13, 5.00; Sept. 30, 7.40.

4-4-21aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 45 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.00 below lsd, Aug. 1, 1951; lowest 19.15 below lsd, July 18, 1956. Records available: 1950-56, 1958-59. Feb. 25, 14.60; May 13, 14.45; July 21, 15.10; Sept. 30, 16.65.

4-4-21bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.40 below lsd, Aug. 1, 1951; lowest 9.29 below lsd, Sept. 22, 1955. Records available: 1950-59, 1958. No measurement made in 1959.

4-4-28cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.30 below lsd, Aug. 1, 1951; lowest dry, entire year of 1953. Records available: 1950-56, 1958. No measurement made in 1959.

4-5-1ac. (MB) U.S.B.R. Drilled observation well, diameter 12 inches, depth 79 feet. Measuring point, top of tile, at land surface. Highest water level 28.00 below lsd, Sept. 20, 1949; lowest 35.90 below lsd, May 12, 1958. Records available: 1949-59. Feb. 9, 34.68; May 13, 34.20; July 7, 34.49; Sept. 11, 35.74.

4-5-1dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches,

depth 63 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.39 below lsd, May 9, 1956; lowest 27.53 below lsd, Feb. 9, 1959. Records available: 1956-59. Feb. 9, 27.53; May 13, 26.63; July 7, 25.98; Sept. 11, 27.32.

4-5-2cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 19.77 below lsd, July 7, 1959; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 22.33; May 13, 20.01; July 7, 19.77; Sept. 11, 22.39.

4-5-4dd. (MB) U.S.B.R. Driven observation well, diameter $1\frac{1}{4}$ inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.00 below lsd, May 13, 1959; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-59. Feb. 9, 14.82; May 13, 12.00; July 7, 13.64; Sept. 11, 15.92.

4-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.61 below lsd, Sept. 11, 1959; lowest dry, Feb. 20, 1957. Records available: 1956-59. Feb. 9, 17.94; May 13, 18.49; July 7, 12.60; Sept. 11, 7.61.

4-5-9cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.13 below lsd, July 22, 1958; lowest 17.04 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 14.52; May 13, 13.96.

4-5-11cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 12.07 below lsd, May 13, 1959; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-59. Feb. 9, 13.76; May 13, 12.07; July 7, 13.11; Sept. 11, 16.40.

4-5-15bb. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 35 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 22.24 below lsd, May 13, 1959; lowest 28.88 below lsd, Mar. 21, 1957. Records available: 1956-59. Feb. 9, 24.80; May 13, 22.24; July 7, 23.00; Sept. 11, 24.28.

4-5-15cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.79 below lsd, May 13, 1959; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-59. May 13, 1.79; July 7, 3.98; Sept. 11, 6.58.

4-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 18.15 below lsd, May 13, 1959; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-59. May 13, 18.15; July 7, 18.50; Sept. 11, 18.46.

4-5-17bb. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 18.73 below lsd, May 13, 1959; lowest dry, May 8, 1957. Records available: 1956-59. Feb. 9, 19.36; May 13, 18.73; July 7, 18.85; Sept. 11, 19.08.

4-5-23aa. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 25 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 6.29 below lsd, Sept. 25, 1958; lowest 16.20 below lsd, Mar. 21, 1957. Records available: 1956-59. May 13, 6.56; July 7, 7.87; Sept. 11, 9.78.

RICE COUNTY

19-10-20ad. (C) John Probst. Drilled industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 67 feet. Measuring point, top of casing, 0.10 foot above lsd. Highest water level 5.07 below lsd, May 10, 1959; lowest 8.83 below lsd, Dec. 18, 1959. Records available: 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 10	5.07	July 23	6.51	Sept. 22	7.88	Nov. 20	8.31
June 24	5.48	Aug. 18	7.28	Oct. 22	8.08	Dec. 18	8.83

20-9-10ba. (C) Walter H. Keesling. Industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 34 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.33 below lsd, June 24, 1959; lowest 11.41 below lsd, Nov. 20, 1959. Records available: 1959.

May 10	9.44	July 23	9.57	Sept. 22	10.71	Nov. 20	11.41
June 24	9.33	Aug. 18	10.02	Oct. 22	11.40	Dec. 18	11.28

ROOKS COUNTY

7-16-9dd. (C) Ed V. Jones. Drilled irrigation well in alluvium, diameter 16 inches, depth 61 feet. Measuring point, breather pipe on north side pump base, 1.30 feet above lsd. Highest water level 43.65 below lsd, Apr. 28, 1959; lowest 44.24 below lsd, July 17, Oct. 13, 1959. Records available: 1959. Apr. 28, 43.65; July 17, 44.24; Oct. 13, 44.24.

7-18-24ac. (C) Reid Baxter. Drilled domestic well in alluvium, diameter 6 inches, depth 30 feet. Measuring point, top east side casing, 0.50 foot above lsd. Highest water level 22.25 below lsd, Apr. 28, 1959; lowest 25.07 below lsd, Oct. 13, 1959. Records available: 1959. Apr. 28, 22.25; July 17, 23.63; Oct. 13, 25.07.

7-19-23cd. (C) Zack McEwen. Dug stock well, diameter 36 inches, depth 22 feet. Measuring point, south side of pump base, 0.30 foot above lsd. Highest water level 14.76 below lsd, Apr. 28, 1959; lowest 14.94 below lsd, Oct. 19, 1959. Records available: 1959. Apr. 28, 14.76; July 17, 14.84; Oct. 19, 14.94.

RUSH COUNTY

18-18-28ad. (C) Mrs. Ercell Solomon. Dug unused stock well in alluvium, diameter 48 inches, depth 47 feet. Measuring point, bottom of pump base, 1.80 feet above lsd. Highest water level 18.65 below lsd, Oct. 19, 1959; lowest 31.76 below lsd, Apr. 10, 1957. Records available: 1957-59. Jan. 20, 22.89; Apr. 17, 22.93; July 20, 24.77; Oct. 19, 18.65.

18-20-23cd. (C) Owner unknown. Unused water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 50 feet. Measuring point, top north side of casing, 0.50 foot above lsd, since Oct. 9, 1957. Highest water level 31.76 below lsd, Oct. 19, 1959; lowest 35.94 below lsd, Jan. 22, 1957. Records available: 1954-59. Jan. 20, 34.13; Apr. 17, 34.44; July 20, 34.95; Oct. 19, 31.76.

RUSSELL COUNTY

45. (C) Dick Gossett. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 15 S., R. 14 W. Dug stock water-table well in alluvium, diameter 28 to 32 inches, depth 27 feet, cribbed with rock. Measuring point, top east edge of rock casing, 1.50 feet below lsd. Highest water level 17.32 below lsd, Oct. 14, 1959; lowest 24.28 below lsd, Aug. 20, 1941. Records available: 1941-59. Jan. 14, 18.96; Apr. 13, 19.24; July 13, 19.70; Oct. 14, 17.32.

80. (C) Joseph Furthmyer, Jr. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 14 S., R. 15 W. Dug unused water-table well in deposits of Pleistocene age, diameter 5 feet, depth 15 feet, cribbed with rock. Measuring point, top east edge of rock casing, 0.80 foot above lsd. Highest water level 3.40 below lsd, Apr. 14, 1942; lowest 7.76 below lsd, June 29, 1943. Records available: 1941-59. Jan. 14, 4.93; Apr. 13, 4.78; July 13, 5.06; Oct. 14, 4.67.

81. (C) Joseph Furthmyer, Jr. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 14 S., R. 15 W. Drilled stock water-table well in Dakota Formation, diameter 6 inches, depth 224 feet. Measuring point, top west edge of casing, 0.30 foot above lsd. Highest water level 101.85 below lsd, Aug. 29, 1941; lowest 134.71 below lsd, July 10, 1947. Records available: 1941-59. Jan. 14, 120.17; Apr. 13, 120.68; July 13, 123.60; Oct. 14, 118.22.

117. (C) Marie Dutt and others. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 13 S., R. 14 W. Dug unused water-table well in alluvium, diameter 26 to 32 inches, depth 14 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.30 foot above lsd. Highest water level 4.43 below lsd, Apr. 15, 1958; lowest 10.61 below lsd, Dec. 20, 1943. Records available: 1941-59. Jan. 14, 5.51; Apr. 13, 5.28; July 13, 5.06; Oct. 14, 5.70.

146. (C) D. P. Steinle. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 14 S., R. 12 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 17 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.60 foot above lsd. Highest water level 12.60 below lsd, July 29, 1952; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-59. Jan. 14, 13.44; Apr. 13, 13.42; July 13, 13.30; Oct. 14, 13.25.

148. (C) John Penix. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 14 S., R. 13 W. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 28 to 36 inches, depth 12 feet, cribbed with rock. Measuring point, top south edge of rock casing, 1.30 feet above lsd. Highest water level 3.13 below lsd, Apr. 16, 1952; lowest 7.93 below lsd, July 25, 1956. Records available: 1941-59. Jan. 14, 5.58; Apr. 13, 5.75; July 13, 6.35; Oct. 14, 5.98.

149. (C) George Boxberger, Jr. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 14 S., R. 14 W. Dug unused water-table well in Greenhorn Limestone, diameter 32 to 36 inches, depth 23 feet, cribbed with rock. Measuring point, top west edge of rock casing, 1.30 feet above lsd. Highest water level 16.80 below lsd, Oct. 15, 1958; lowest 21.54 below lsd, June 29, 1943. Records available: 1941-59. Jan. 14, 17.37; Apr. 13, 17.47; July 13, 16.94; Oct. 14, 17.14.

SALINE COUNTY

14-2-19dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 4.11 below lsd, Aug. 17, 1951; lowest 22.08 below lsd, May 8, 1957. Records available: 1951-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	19.00	May 25	18.89	July 24	18.87	Dec. 16	18.85
Mar. 24	18.85	June 26	18.86	Aug. 21	18.88		

14-2-30cd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 1.13 below lsd, Oct. 1, 1951; lowest 17.77 below lsd, Aug. 19, 1955. Records available: 1951-53, 1955-59.

Feb. 23	13.97	May 25	13.34	July 24	13.82	Dec. 16	14.14
Mar. 24	14.24	June 26	13.50	Aug. 21	14.35		

15-2-17cd. (MB) U.S.G.S. Driven and drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 9.58 below lsd, Oct. 1, 1951; lowest 27.40 below lsd, May 11, 1956. Records available: 1946-59.

Feb. 23	22.84	May 25	22.56	July 24	22.56	Dec. 16	22.62
Mar. 24	23.05	June 26	22.35	Aug. 21	23.19		

15-2-18cd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 28.65 below lsd, Sept. 7, 1956. Records available: 1946-59.

Feb. 23	23.92	May 25	23.53	July 24	23.79	Dec. 16	23.46
Mar. 24	24.10	June 26	22.93	Aug. 21	24.30		

15-2-19bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.34 below lsd, Feb. 26, 1952; lowest 25.45 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-59. Feb. 23, 20.52; Mar. 24, 20.65; May 25, 19.75; June 26, 19.85. Measurement discontinued.

15-2-30-dc. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.56 below lsd, July 24, 1951; lowest 24.59 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-59.

Feb. 23	21.69	May 25	21.43	July 24	21.30	Dec. 16	21.36
Mar. 24	21.83	June 26	21.14	Aug. 21	21.81		

15-2-31ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 27 feet. Measuring point, top

of pipe, 1.00 foot above lsd. Highest water level 7.92 below lsd, Nov. 9, 1951; lowest 20.30 below lsd, June 10, 1957. Records available: 1950-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	16.97	May 25	17.16	July 24	17.50	Dec. 16	17.00
Mar. 24	17.10	June 26	17.44	Aug. 21	17.77		

15-3-12ab. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 6.31 below lsd, Oct. 1, 1951; lowest 24.97 below lsd, May 8, 1957. Records available: 1951-53, 1955-59.

Feb. 23	18.79	May 25	20.54	July 24	21.05	Dec. 16	21.57
Mar. 24	20.25	June 26	20.85	Aug. 21	20.45		

15-3-12dd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 10.02 below lsd, Nov. 9, 1951; lowest 25.14 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-59.

Feb. 23	21.89	May 25	22.00	July 24	22.35	Dec. 16	22.57
Mar. 24	22.05	June 26	22.03	Aug. 21	22.60		

15-3-24dd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 35 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 4.30 below lsd, July 24, 1951; lowest 24.52 below lsd, Dec. 17, 1956. Records available: 1946-53, 1955-59.

Feb. 23	20.77	May 25	20.67	July 24	20.78	Dec. 16	20.67
Mar. 24	20.82	June 26	20.69	Aug. 21	21.05		

15-3-36ab. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.57 below lsd, Nov. 9, 1951; lowest 32.25 below lsd, Aug. 19, 1957. Records available: 1946-53, 1955-59.

Feb. 23	27.65	May 25	27.44	July 24	27.92	Dec. 16	27.69
Mar. 24	27.65	June 26	27.70	Aug. 21	28.42		

16-2-7bb. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 10.29 below lsd, July 24, 1951; lowest 23.35 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-59.

Feb. 23	20.40	May 25	20.36	July 24	19.75	Dec. 16	20.15
Mar. 24	20.55	June 26	20.14	Aug. 21	20.29		

16-2-8ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 31 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.94 below lsd, Oct. 20, 1950; lowest 25.44 below lsd, May 8, 1957. Records available: 1950-53, 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	24.34	May 25	24.25	July 24	24.19	Dec. 16	24.16
Mar. 24	24.25	June 26	24.20	Aug. 21	24.22		

16-2-18cc. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 36 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 11.76 below lsd, Aug. 17, 1951; lowest 27.39 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-59.

Feb. 23	25.26	May 25	24.52	July 24	25.12	Dec. 16	25.07
Mar. 24	25.45	June 26	23.99	Aug. 21	24.86		

16-3-12bcb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 6.10 below lsd, Oct. 1, 1951; lowest 23.10 below lsd, Nov. 21, 1950. Records available: 1950-53, 1955-59.

Feb. 23	13.58	May 25	12.42	July 24	13.35	Dec. 16	12.07
Mar. 24	13.52	June 26	13.20	Aug. 21	13.77		

16-3-13aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 13.18 below lsd, Oct. 1, 1951; lowest 22.11 below lsd, July 31, Sept. 7, 1956. Records available: 1950-53, 1955-59.

Feb. 23	21.90	May 25	21.88	July 24	21.86	Dec. 16	21.79
Mar. 24	21.92	June 26	21.86	Aug. 21	21.87		

16-3-13cd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 26.25 below lsd, Sept. 7, 1956. Records available: 1946-53, 1955-59.

Feb. 23	22.65	May 25	22.37	July 24	21.96	Dec. 16	22.06
Mar. 24	22.85	June 26	22.05	Aug. 21	22.08		

16-3-26dcd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level

4.96 below lsd, July 24, 1951; lowest 23.61 below lsd, Sept. 7, 1956. Records available: 1946-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	20.08	May 25	19.31	July 24	19.56	Dec. 16	19.61
Mar. 24	20.22	June 26	19.33	Aug. 21	20.28		

16-3-33-ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 40 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.77 below lsd, Oct. 1, 1951; lowest 21.28 below lsd, Sept. 7, 1956. Records available: 1951-53, 1955-59.

Feb. 23	17.07	May 25	16.00	July 24	16.38	Dec. 16	17.12
Mar. 24	18.07	June 26	16.50	Aug. 21	17.39		

SCOTT COUNTY

1. (C) Mrs. Rosine Smith. NW¼ sec. 9, T. 20 S., R. 33 W. Drilled unused water-table well in Ogallala Formation, diameter 24 inches, depth 100 feet. Measuring point, top of concrete edge of pump base, 0.10 foot above lsd, since Oct. 3, 1957. Highest water level 55.89 below lsd, May 14, 16, 1934; lowest dry, Mar. 22, Nov. 19, Dec. 17, 1956. Records available: 1931-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	76.78	76.75	76.46	78.20	77.05	81.13	82.04	79.73	79.29	79.01
10	76.80	77.54	76.69	76.38	77.72	77.90	81.34	82.16	79.76	79.20	78.94
15	76.72	78.20	76.58	76.50	77.46	79.51	81.20	82.22	79.69	79.15	78.92
20	76.71	77.30	76.60	78.80	77.31	80.15	81.11	81.31	79.57	79.12	78.90
25	76.66	77.00	76.51	79.07	77.18	80.56	81.61	80.60	79.42	79.04	78.82
30	76.84	76.48	79.37	77.12	80.87	81.84	80.22	79.35	79.01	78.82

2A. (C) State of Kansas. SE¼ sec. 26, T. 18 S., R. 33 W. Drilled observation water-table well in deposits of Pleistocene age, diameter 8 inches, depth 60 feet. Measuring point, top south side of casing, 0.30 foot above lsd. Highest water level 19.85 below lsd, May 8, 1952; lowest 44.82 below lsd, Sept. 1, 1957. Records available: 1944-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	34.09	.....	33.68	33.65	33.57	33.63	35.38	37.38	39.53	38.26	37.20	36.74
10	33.99	33.89	33.60	33.64	33.56	33.70	35.57	37.89	39.26	38.14	36.89	36.56
15	34.02	33.72	33.80	33.48	33.64	34.13	36.12	38.42	38.90	37.86	36.82	36.59
20	33.88	33.77	33.70	33.62	33.58	34.35	36.45	38.82	38.71	37.59	36.83	36.54
25	33.87	33.70	33.60	33.55	33.53	34.48	36.82	39.14	38.52	37.30	36.67	36.41
30	.....	.....	33.63	33.51	33.03	34.43	.....	39.32	38.45	37.24	36.70	36.48

19. (C) Mr. Fouquet. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 18 S., R. 33 W. Drilled irrigation water-table well in Ogallala Formation, diameter 12 inches. Measuring point, top of hole in pump base, 1.00 foot above lsd. Highest water level 43.38 below lsd, May 26, 1952; lowest 71.22 below lsd, Aug. 7, 1959. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	59.40	Apr. 17	57.63	July 10	64.50	Oct. 23	61.46
Feb. 6	58.52	May 22	60.55	Aug. 7	71.22	Nov. 20	60.57
Mar. 6	58.21	June 5	58.69	Sept. 11	70.87	Dec. 11	60.00

50. (C) F. M. Houstin. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 129 feet. Measuring point, top of concrete platform, 1.50 feet above lsd. Highest water level 83.02 below lsd, Jan. 23, 1959; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-59.

Jan. 23	83.02	Apr. 17	85.62	July 10	85.31	Oct. 23	84.86
Feb. 6	85.55	May 22	85.45	Aug. 7	85.42	Nov. 20	84.84
Mar. 6	85.53	June 5	85.19	Sept. 11	85.19	Dec. 11	85.37

207. (C) Samuel Bontrager. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 19 S., R. 33 W. Irrigation well in Ogallala Formation, diameter 24 inches, depth 111 feet. Measuring point, top of pump frame, 1.70 feet above lsd. Highest water level 78.01 below lsd, Sept. 6, 1940; lowest 98.78 below lsd, Sept. 11, 1959. Records available: 1940, 1958-59.

Date	Water level	Date	Water level	Date	Water level
Sept. 6, 1940	78.01	Apr. 17, 1959	91.36	Oct. 23, 1959	95.14
May 1, 1958	95.78	June 5	93.35	Nov. 20	94.16
Mar. 6, 1959	91.44	Sept. 11	98.78	Dec. 11	93.60

256. (C) James E. Ely. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 20 S., R. 33 W. Irrigation well in Ogallala Formation, diameter 16 inches, depth 147 feet. Measuring point, hole in east side pump base, 1.90 feet above lsd. Highest water level 33.33 below lsd, June 15, 1944; lowest 52.99 below lsd, Sept. 11, 1959. Records available: 1944, 1958-59.

June 15, 1944	33.33	May 22, 1959	45.92	Oct. 23, 1959	50.15
May 1, 1958	46.85	June 5	45.62	Nov. 20	49.20
Mar. 6, 1959	45.05	Sept. 11	52.99	Dec. 11	49.64
Apr. 17	44.72				

16-33-19cb. (C) Roy Fairleigh. Drilled irrigation well in Ogallala Formation, diameter 18 inches, depth 132 feet. Measuring point, hole in north pump base, 0.75 foot above lsd. Highest water level 129.79 below lsd, Dec. 11, 1959; lowest 131.30 below lsd, Oct. 8, 1959. Records available: 1959. Oct. 8, 131.30; Dec. 11, 129.79.

SEDGWICK COUNTY

12. (C) Dr. A. D. Updegraph. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 25 S., R. 1 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 54 feet. Measuring point, steel plate on instrument shelf, 2.99 feet above lsd. Highest water level 10.05 below lsd, July 25, 1951; lowest 20.50 below lsd, Jan. 31, 1957. Records available: 1937-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.40	Apr. 27	17.76	June 30	17.54	Oct. 26	17.72
23	17.51	May 1	17.84	July 27	17.62	30	17.72
Feb. 25	17.61	27	17.36	31	17.62	Nov. 25	17.83
Mar. 29	17.72	June 1	17.36	Sept. 1	17.98	Dec. 24	17.84
Apr. 1	17.54	25	17.54	25	18.12		

26. (C) Wichita Water Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 27 S., R. 1 E. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 26 inches, depth 47 feet. Measuring point, steel plate on instrument shelf, 3.01 feet above lsd. Highest water level 4.24 below lsd, July 2, 1951; lowest 28.59 below lsd, Sept. 8, 1954. Records available: 1937-59.

Jan. 9	13.27	Apr. 24	13.05	July 17	13.52	Oct. 2	11.63
23	13.70	May 4	13.26	24	13.27	9	10.59
30	13.52	8	12.14	31	13.17	16	11.36
Feb. 6	13.08	15	12.00	Aug. 7	14.56	30	12.78
13	13.20	22	13.15	14	15.09	Nov. 6	12.93
20	13.13	28	12.50	21	14.16	13	13.02
27	13.17	June 5	12.93	28	14.89	20	12.92
Mar. 6	13.27	19	14.08	Sept. 4	15.16	Dec. 4	13.22
13	13.26	26	14.13	11	14.86	11	13.27
Apr. 10	13.13	July 2	14.67	18	14.48	21	13.36
17	13.12	10	13.87	25	14.24	31	13.34

114. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.35 below lsd, Oct. 2, 1958; lowest 9.66 below lsd, Mar. 1, 1957. Records available: 1954-59.

Jan. 1	4.94	May 1	5.91	July 31	6.26	Oct. 30	6.03
30	5.15	June 1	5.28	Sept. 1	7.17	Dec. 1	6.12
Mar. 2	5.30	30	5.65	Oct. 1	7.26	31	6.27
Apr. 1	5.64						

115. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.22 below lsd, July 1, 1957; lowest 8.83 below lsd, Nov. 1, 1956. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.36	May 1	5.59	July 31	5.80	Oct. 30	4.66
Feb. 2	5.18	June 1	4.82	Sept. 1	6.47	Dec. 1	5.32
Mar. 2	5.19	30	5.86	Oct. 1	6.78	29	5.44
Apr. 1	5.45						

116. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.20 below lsd, June 29, 1954; lowest 23.02 below lsd, Sept. 1, 1959. Records available: 1954-59.

Feb. 2	18.96	July 31	22.00	Oct. 1	22.18	Dec. 1	21.64
June 30	21.21	Sept. 1	23.02	Nov. 2	21.73		

117. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.69 below lsd, Oct. 2, 1958; lowest 14.79 below lsd, Apr. 1, 1957. Records available: 1954-59.

Jan. 1	11.20	May 1	11.84	July 31	12.14	Oct. 30	11.94
Feb. 2	11.40	June 1	11.82	Sept. 1	12.58	Dec. 1	12.11
Mar. 2	11.58	30	11.96	Oct. 1	12.56	29	12.29
Apr. 1	11.68						

124. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, depth 70 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.19 below lsd, July 1, 1957; lowest 20.73 below lsd, Mar. 1, 1957. Records available: 1955-59.

Jan. 1	17.40	May 1	18.05	July 31	18.01	Oct. 30	17.98
30	17.67	June 1	17.40	Sept. 1	18.17	Dec. 1	18.22
Mar. 2	17.77	30	18.04	Oct. 1	18.42	28	18.30
Apr. 1	17.69						

125. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 10, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 5.86 below lsd, June 27, 1957; lowest 15.69 below lsd, Apr. 1, 1959. Records available: 1956-59.

Jan. 30	12.80	May 1	13.09	July 31	12.82	Dec. 1	13.06
Mar. 2	12.92	June 1	12.08	Oct. 1	13.25	29	13.17
Apr. 1	15.69	30	12.96	30	12.77		

126. (C) City of Wichita. NW cor. NW $\frac{1}{4}$ sec. 22, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter

1¼ inches, depth 40 feet. Measuring point, top of pipe, at land surface. Highest water level 8.78 below lsd, Aug. 1, 1958; lowest 15.84 below lsd, Jan. 31, 1957. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.09	May 1	12.69	July 31	12.63	Oct. 30	12.19
	30 12.39	June 1	11.92	Sept. 1	12.84	Dec. 1	12.66
Mar. 2	12.54		30 12.68	Oct. 1	13.11		29 12.82
Apr. 1	12.37						

307. (C) J. R. Clark. NW¼ NW¼ SW¼ sec. 1, T. 25 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 92 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 9.08 below lsd, May 12, 13, 20, 1945; lowest 34.45 below lsd, May 1, 1957. Records available: 1937-54, 1956-59.

Jan. 30	28.33	May 1	27.21	July 31	26.42	Oct. 30	25.51
Mar. 2	28.35	June 1	26.45	Sept. 1	26.20	Dec. 1	25.16
Apr. 1	27.92		30 26.19	Oct. 1	26.05		29 24.82

804. (C) City of Wichita. SE cor. SE¼ sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 0.10 below lsd, Aug. 4, 1950; lowest 7.25 below lsd, Dec. 1, 1955. Records available: 1938-59.

Jan. 1	3.60	May 1	3.78	July 31	3.80	Oct. 30	2.55
Feb. 2	3.67	June 1	3.23	Sept. 1	4.26	Dec. 1	3.02
Mar. 2	3.52		30 3.91	Oct. 1	2.96		29 2.89
Apr. 1	3.73						

805. (C) City of Wichita. NW¼ NE¼ sec. 19, T. 26 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.57 below lsd, May 2, 1945; lowest 8.66 below lsd, Jan. 3, 1956. Records available: 1938-59.

Jan. 1	4.29	May 1	4.51	July 31	4.12	Oct. 30	3.44
	30 4.47	June 1	3.84	Sept. 1	4.71	Dec. 1	3.81
Mar. 2	4.24		30 4.77	Oct. 1	3.10		31 3.69
Apr. 1	4.42						

807. (C) City of Wichita. NW¼ NW¼ sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	22.38	May 1	22.48	July 31	22.25	Oct. 30	22.23
30	22.41	June 1	22.32	Sept. 1	22.51	Dec. 1	22.12
Mar. 2	22.39	30	22.41	Oct. 1	22.67	29	22.10
Apr. 1	22.44						

808. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 26 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest dry, entire year of 1956. Records available: 1938-53, 1955-56, 1958-59.

Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1958	23.61	May 1, 1959	23.38	Oct. 1	23.28
Jan. 1, 1959	23.59	June 1	23.32	30	23.16
30	23.54	30	23.28	Dec. 1	23.10
Mar. 2	23.42	July 31	23.22	29	23.04
Apr. 1	23.43	Sept. 1	23.30		

809. (C) City of Wichita. NW cor. sec. 21, T. 26 S., R. 1 E. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.68 below lsd, Jan. 31, 1957. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.71	May 1	13.21	July 31	13.58	Oct. 30	13.20
30	12.90	June 1	12.82	Sept. 1	14.06	Dec. 1	13.07
Mar. 2	12.94	30	12.72	Oct. 1	13.07	29	13.11
Apr. 1	13.03						

810. (C) City of Wichita. NE cor. SE $\frac{1}{4}$ sec. 35, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 25 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 14.82 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1938-59.

Jan. 1	13.15	May 1	13.51	July 31	13.24	Oct. 26	12.79
30	13.38	June 1	12.60	Sept. 1	13.66	Dec. 1	13.15
Mar. 2	13.37	30	13.38	Oct. 1	13.69	24	13.45
Apr. 1	13.23						

811. (C) City of Wichita. SE cor. SE $\frac{1}{4}$ sec. 33, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.27 below lsd, July 10, 1951; lowest 11.08 below lsd, Mar. 1, 1957. Records available: 1938-58. No measurement made in 1959.

812. (C) City of Wichita. NW cor. NW¼ sec. 27, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.30 below lsd, Aug. 31, 1949; lowest 18.91 below lsd, Feb. 10, 1947. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.97	May 1	12.66	July 31	12.70	Oct. 30	12.04
30	12.20	June 1	12.32	Sept. 1	13.03	Dec. 1	12.37
Mar. 2	12.42	30	12.50	Oct. 1	13.08	29	12.62
Apr. 1	12.47						

814. (C) City of Wichita. SE cor. SE¼ sec. 14, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.23 below lsd, July 10, 1951; lowest 19.00 below lsd, Apr. 1, 1957. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.78	May 1	15.17	July 31	15.34	Oct. 26	15.42
30	14.90	June 1	15.20	Sept. 1	15.45	Dec. 1	15.33
Mar. 2	15.00	30	15.27	25	15.59	24	15.24
Apr. 1	15.08						

815. (C) City of Wichita. NE cor. NE¼ sec. 17, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 7.65 below lsd, May 11, 1945; lowest 19.69 below lsd, Apr. 1, 1957. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.40	May 1	16.35	July 31	16.87	Oct. 30	17.16
30	15.70	June 1	16.47	Sept. 1	17.14	Dec. 1	17.24
Mar. 2	15.90	30	16.69	Oct. 1	17.42	29	18.49
Apr. 1	16.08						

816. (C) City of Wichita. SW cor. SW¼ sec. 7, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.32 below lsd, Oct. 8, 1945; lowest 25.32 below lsd, May 1, 1957. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.65	May 1	21.24	July 31	21.89	Oct. 30	22.49
30	20.79	June 1	21.40	Sept. 1	22.10	Dec. 1	22.38
Mar. 2	20.90	30	21.94	Oct. 1	22.26	29	22.46
Apr. 1	21.24						

825. (C) City of Wichita. NE cor. NE¼ sec. 3, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.75	May 1	10.10	July 31	10.27	Oct. 30	10.04
30	9.90	June 1	9.45	Sept. 1	10.69	Dec. 1	10.33
Mar. 2	10.00	30	10.02	Oct. 1	10.95	29	10.41
Apr. 1	9.02						

826. (C) City of Wichita. NE cor. NE $\frac{1}{4}$ sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 18 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.12 below lsd, May 9, 1944; lowest 16.80 below lsd, Nov. 1, 1956. Records available: 1939-49, 1955-59.

Jan. 1	11.64	May 1	12.70	July 31	12.37	Oct. 30	12.24
30	12.81	June 1	11.89	Sept. 1	12.86	Dec. 1	12.54
Mar. 2	11.22	30	12.45	Oct. 1	13.12	29	12.70
Apr. 1	12.38						

830. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 30, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 57 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.35 below lsd, Nov. 30, 1951; lowest 31.56 below lsd, Dec. 1, 1954. Records available: 1938-59. Jan. 1, 23.64; Jan. 30, 23.62; Mar. 2, 23.49; Apr. 1, 23.61; June 1, 23.39.

834. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 9, T. 25 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 18 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 13.04 below lsd, Oct. 1, 1956. Records available: 1938-59.

Jan. 2	9.40	May 1	9.60	July 31	8.76	Oct. 30	8.34
30	9.39	June 1	7.94	Sept. 1	9.47	Dec. 1	8.95
Mar. 2	9.24	30	9.58	Oct. 1	7.86	29	9.13
Apr. 1	9.44						

838. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 25 S., R. 3 W. Driven observation water-table well in sand, diameter 1 $\frac{1}{4}$ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.01 below lsd, Oct. 2, 1951; lowest dry entire year of 1955. Records available: 1938-53, 1955, 1958-59.

Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1958	24.75	May 1, 1959	25.15	Oct. 1, 1959	24.61
Jan. 2, 1959	24.96	June 1	24.64	30	24.02
30	25.03	30	24.61	Dec. 1	24.14
Mar. 2	24.96	July 31	24.61	29	24.23
Apr. 1	25.09	Sept. 1	25.00		

840a. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 25 S., R. 2 W. Replaces well 840 in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 25 S., R. 2 W., which was 61

feet deep rather than 233 feet as previously reported. Well 840 was destroyed Nov. 1, 1950, and well 840a was constructed Aug. 4, 1952. Drilled observation water-table well in sand and gravel of Pleistocene age, depth 26 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 7.90 below lsd, Aug. 4, 1952; lowest 15.53 below lsd, Apr. 1, 1955. Records available: 840, 1940-50; 840a, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.90	May 1	12.88	July 31	12.60	Oct. 30	12.60
30	12.25	June 1	12.67	Sept. 1	12.94	Dec. 1	12.92
Mar. 2	12.46	30	12.83	Oct. 1	13.22	29	13.12
Apr. 1	12.68						

842. (C) City of Wichita. NW cor. NW¼ sec. 16, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 10.48 below lsd, Mar. 1, 1957. Records available: 1939-59.

Jan. 2	6.15	May 1	6.65	July 31	6.60	Oct. 30	6.66
30	6.28	June 1	6.18	Sept. 1	7.48	Dec. 1	6.86
Mar. 2	6.32	30	6.75	Oct. 1	7.90	29	7.00
Apr. 1	6.46						

847. (C) City of Wichita. SW cor. SE¼ sec. 6, T. 27 S., R. 1 E. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.55 below lsd, May 8, 1944; lowest 18.87 below lsd, Oct. 1, 1956. Records available: 1939-59.

Jan. 2	17.40	May 1	17.05	July 31	16.51	Oct. 30	16.42
30	17.39	June 1	15.85	Sept. 1	17.35	Dec. 1	16.74
Mar. 2	17.27	30	16.77	Oct. 1	15.86	29	16.79
Apr. 1	16.85						

870. (C) W. Williams. NW¼ NE¼ NE¼ sec. 18, T. 25 S., R. 2 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 19 feet. Measuring point, top of pipe, top of pump base, 2.50 feet above lsd. Highest water level 0.33 below lsd, July 10, 1951; lowest 9.52 below lsd, Dec. 1, 1954. Records available: 1939-59.

Jan. 2	6.53	May 1	6.88	July 31	7.07	Oct. 30	7.09
30	6.58	June 1	6.40	Sept. 1	7.89	Dec. 1	7.28
Mar. 2	6.62	30	7.10	Oct. 1	8.39	29	7.35
Apr. 1	6.75						

1171. (C) City of Wichita. NE cor. NE¼ sec. 4, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age,

diameter 1¼ inches, depth 30 feet since it was deepened in 1954. Measuring point, top of pipe, 1.00 foot above lsd since Aug. 1, 1954. Measurements published for period Aug. 1, 1954 through 1958 should be corrected by adding 0.50 foot. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 22.67 below lsd, Apr. 2, 1957. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	17.90	Apr. 1	18.67	June 30	19.32	Oct. 1	19.65
30	18.21	May 1	19.02	July 31	19.27	30	19.35
Mar. 2	18.45	June 1	19.17	Sept. 1	19.61	Dec. 1	19.55

1176. (C) City of Wichita. SW cor. SW¼ sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.42 below lsd, Oct. 3, 1951; lowest 24.73 below lsd, May 1, 1957. Records available: 1950-59.

Jan. 2	19.71	May 1	20.24	July 31	20.12	Oct. 30	19.96
30	19.90	June 1	19.99	Sept. 1	20.31	Dec. 1	20.06
Mar. 2	20.05	30	19.95	Oct. 1	20.40	28	20.04
Apr. 1	20.17						

3004. (C) City of Wichita. SE cor. sec. 1, T. 25 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 4.42 below lsd, July 9, 1951; lowest 11.90 below lsd, Mar. 1, 1957. Records available: 1949-59.

Jan. 2	7.62	May 1	8.10	July 31	8.05	Nov. 2	8.14
30	7.80	June 1	7.64	Sept. 1	8.69	Dec. 1	8.29
Mar. 2	7.77	30	8.12	Oct. 1	9.12	28	8.47
Apr. 1	7.96						

3030. (C) City of Wichita. SW¼ NW¼ SW¼ sec. 11, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 4.24 below lsd, July 10, 1951; lowest 16.98 below lsd, May 1, 1957. Records available: 1950-59.

Jan. 2	12.57	May 1	13.20	July 31	12.89	Nov. 2	12.65
30	12.81	June 1	12.98	Sept. 1	12.98	Dec. 1	12.71
Mar. 2	12.98	30	13.02	Oct. 1	13.14	28	12.86
Apr. 1	13.11						

3041. (C) City of Wichita. SE cor. SE¼ sec. 3, T. 25 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 17 feet. Measuring point at land surface. Highest water level 9.44 below lsd, Oct. 2, 1958; lowest 13.63 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	10.94	May 1	11.06	July 31	10.70	Nov. 2	10.24
30	10.99	June 1	10.64	Sept. 1	11.18	Dec. 1	10.62
Mar. 2	10.94	30	10.97	Oct. 1	11.38	28	10.84
Apr. 1	10.99						

3044. (C) City of Wichita. SW cor. SW $\frac{1}{4}$ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 24 feet. Measuring point, top of pipe, 0.50 foot above lsd. All measurements published through 1958 should be corrected by subtracting 0.50 foot. Highest water level 4.77 below lsd, Oct. 2, 1958; lowest 10.07 below lsd, Mar. 1957. Records available: 1953-59.

Jan. 2	6.41	May 1	6.81	July 31	6.90	Nov. 2	6.45
30	6.90	June 1	6.15	Sept. 1	7.45	Dec. 1	6.54
Mar. 2	6.91	30	6.63	Oct. 1	7.75	28	6.73
Apr. 1	6.70						

3045. (C) Frisco Railroad. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 65 feet. Measuring point, steel plate on instrument shelf, 3.05 feet above lsd. Highest water level 16.46 below lsd, Oct. 10, 1958; lowest 21.76 below lsd, Feb. 25, 1958. Records available: 1954-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.94	17.02	17.20	17.34	17.47	17.18	17.30	17.27	17.40	17.35	16.94	17.04
10	16.96	17.05	17.22	17.36	17.42	17.19	17.29	.....	17.48	17.23	16.95	.....
15	16.99	17.07	17.30	.....	17.35	17.21	17.29	.....	17.51	17.14	16.94	.....
20	.....	17.11	17.35	.....	17.30	17.28	17.19	.....	17.51	17.08	16.95	.....
25	.....	17.14	17.30	.....	17.24	.....	17.31	.....	17.49	17.02	16.98	.....
30	17.06	.....	17.31	17.49	17.15	17.30	17.27	17.38	17.52	16.97	17.03	17.08

3050. (C) City of Wichita. SE cor. SE $\frac{1}{4}$ sec. 24, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age. Measuring point, top of pipe, 0.50 foot above lsd. Measurements published 1956 through 1958 should be corrected by subtracting 0.50 foot. Highest water level 6.47 below lsd, May 1, 1952; lowest 11.70 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	8.25	May 1	8.80	July 31	8.82	Nov. 2	8.37
30	8.41	June 1	8.40	Sept. 1	9.01	Dec. 1	8.66
Mar. 2	8.56	30	8.65	Oct. 1	9.05	28	8.85
Apr. 1	8.66						

M-25b. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 25 S., R. 2 W., 500 feet southwest of M-25. Drilled observation water-table well in sand

and gravel of Pleistocene age, diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 36.78 below lsd, Feb. 2, 1959. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2	26.89	May 1	27.03	July 31	25.52	Nov. 2	24.59
Apr. 1	26.62	June 1	26.19	Sept. 1	25.99	Dec. 1	24.44
		July 1	25.86	Oct. 1	25.65	31	24.48

M-27. (C) City of Wichita. NW¼ NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 215 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 88.50 below lsd, Apr. 1, 1957. Records available: 1947, 1949-59.

Feb. 2	79.00	May 1	77.00	July 31	29.00	Nov. 2	75.50
Mar. 2	76.00	June 1	76.00	Sept. 1	30.00	Dec. 1	74.00
Apr. 1	76.00	July 1	73.50	Oct. 1	73.00	31	71.00

M-27b. (C) City of Wichita. NE¼ NE¼ sec. 3, T. 25 S., R. 2 W., 500 feet northwest of M-27. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 80 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 12.62 below lsd, Oct. 4, 1948; lowest 32.51 below lsd, May 1, 1957. Records available: 1947-59.

Feb. 2	28.90	May 1	28.38	July 31	26.56	Nov. 2	27.30
Mar. 2	28.72	June 1	28.25	Sept. 1	26.73	Dec. 1	27.15
Apr. 1	28.72	July 1	28.03	Oct. 1	27.44	31	26.66

M-28. (C) City of Wichita. NE¼ NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 220 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.09 below lsd, July 8, 1949; lowest 88.00 below lsd, Aug. 1, 1956. Records available: 1947, 1949-59.

Feb. 2	30.00	May 1	28.00	July 31	26.00	Nov. 2	26.00
Mar. 2	29.00	June 1	27.00	Sept. 1	62.00	Dec. 1	26.00
Apr. 1	32.00	July 1	27.00	Oct. 1	26.00	31	27.50

M-28b. (C) City of Wichita. NW¼ NE¼ sec. 2, T. 25 S., R. 2 W., 500 feet southwest of M-28. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 82 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.55 below lsd, Oct. 4, 1948; lowest 33.00 below lsd, May 1, 1957. Records available: 1947-59.

Feb. 2	29.08	May 1	28.32	July 31	27.41	Nov. 2	26.99
Mar. 2	28.97	June 1	28.02	Sept. 1	27.55	Dec. 1	26.77
Apr. 1	28.69	July 1	27.84	Oct. 1	26.14	31	26.47

M-29. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.01 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 2, 1958. Records available: 1947, 1949-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	28.00	May 1	50.00	July 31	25.00	Nov. 2	52.00
Mar. 2	51.00	June 1	26.00	Sept. 1	52.00	Dec. 1	54.00
Apr. 1	53.00	July 1	25.00	Oct. 1	50.50	31	24.00

M-29b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 25 S., R. 2 W., 500 feet southwest of M-29. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 103 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 7.01 below lsd, July 2, 1951; lowest 30.55 below lsd, Mar. 1, 1957. Records available: 1947-59.

Feb. 2	23.70	May 1	26.15	July 31	22.34	Nov. 2	25.26
Mar. 2	25.73	June 1	22.90	Sept. 1	25.43	Dec. 1	25.13
Apr. 1	26.12	July 1	22.80	Oct. 1	25.30	31	21.98

M-30. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.31 below lsd, July 8, 1949; lowest 69.00 below lsd, Dec. 31, 1956. Records available: 1947, 1949-59.

Feb. 2	62.00	May 1	59.50	July 31	62.00	Nov. 2	24.00
Mar. 2	26.00	June 1	61.00	Sept. 1	24.50	Dec. 1	24.00
Apr. 1	26.00	July 1	59.50	Oct. 1	24.50	31	60.00

M-30b. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 25 S., R. 2 W., 500 feet northeast of M-30. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 61 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 7.39 below lsd, Oct. 4, 1948; lowest 32.70 below lsd, May 1, 1957. Records available: 1947-59.

Feb. 2	28.11	May 1	27.16	July 31	26.22	Nov. 2	22.96
Mar. 2	24.81	June 1	26.44	Sept. 1	23.39	Dec. 1	22.58
Apr. 1	24.76	July 1	26.28	Oct. 1	23.41	31	25.04

M-31. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 197 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 1, 1953. Records available: 1947, 1949-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	62.00	May 1	27.00	July 31	53.00	Nov. 2	52.00
Mar. 2	57.50	June 1	29.00	Sept. 1	53.00	Dec. 1	27.00
Apr. 1	59.00	July 1	52.00	Oct. 1	51.50	31	26.50

M-31b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 25 S., R. 2 W., 500 feet northeast of M-31. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.34 below lsd, July 7, 1948; lowest 35.32 below lsd, May 1, 1957. Records available: 1947-59.

Feb. 2	30.20	May 1	24.20	July 31	28.82	Nov. 2	26.70
Mar. 2	30.05	June 1	26.67	Sept. 1	27.26	Dec. 1	25.25
Apr. 1	29.79	July 1	27.11	Oct. 1	27.70	31	25.08

M-32. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.02 below lsd, July 8, 1949; lowest 81.50 below lsd, Jan. 31, 1958. Records available: 1947, 1949-59.

Feb. 2	27.50	May 1	57.00	July 31	25.00	Nov. 2	24.50
Mar. 2	57.00	June 1	55.00	Sept. 1	26.00	Dec. 1	57.00
Apr. 1	26.50	July 1	26.00	Oct. 1	25.50	31	55.00

M-32b. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 25 S., R. 2 W., 500 feet northeast of M-32. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 71 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.40 below lsd, Oct. 4, 1948; lowest 31.83 below lsd, Apr. 1, 1957. Records available: 1947-59.

Feb. 2	26.54	May 1	26.52	July 31	25.52	Nov. 2	24.89
Mar. 2	27.08	June 1	25.80	Sept. 1	25.66	Dec. 1	25.18
Apr. 1	26.29	July 1	25.94	Oct. 1	25.41	31	24.93

M-33. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.23 below lsd, July 8, 1949; lowest 81.00 below lsd, July 2, Aug. 1, 1956. Records available: 1947, 1949-59.

Feb. 2	28.00	May 1	51.00	July 31	25.50	Nov. 2	25.00
Mar. 2	28.00	June 1	50.00	Sept. 1	26.00	Dec. 1	25.50
Apr. 1	51.00	July 1	50.00	Oct. 1	26.00	31	26.00

M-33b. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 25 S., R. 2 W., 500 feet northeast of M-33. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 75 feet. Measuring

point, top of pipe, 1.60 feet above lsd. Highest water level 6.82 below lsd, Oct. 4, 1948; lowest 29.13 below lsd, Apr. 1, 1957. Records available: 1947-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	23.65	May 1	23.53	July 31	22.25	Nov. 2	21.47
Mar. 2	23.71	June 1	22.92	Sept. 1	22.26	Dec. 1	21.37
Apr. 1	23.66	July 1	20.96	Oct. 1	22.03	31	21.25

M-34. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 150 feet. Measuring point, opening in side of pump base, 2.00 feet above lsd. Highest water level 6.96 below lsd, July 8, 1949; lowest 64.50 below lsd, Sept. 2, 1958. Records available: 1947, 1949-59.

Feb. 2	52.50	May 1	25.50	July 31	24.00	Nov. 2	24.00
Mar. 2	49.00	June 1	25.00	Sept. 1	50.00	Dec. 1	24.00
Apr. 1	26.00	July 1	25.00	Oct. 1	24.00	31	24.00

M-34b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 25 S., R. 1 W., 500 feet northwest of M-34. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 85 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 5.64 below lsd, July 7, 1948; lowest 34.18 below lsd, Oct. 1, 1956. Records available: 1947-59.

Feb. 2	25.32	May 1	24.07	July 31	23.14	Nov. 2	22.86
Mar. 2	25.47	June 1	23.39	Sept. 1	24.14	Dec. 1	22.45
Apr. 1	24.15	July 1	23.50	Oct. 1	22.92	31	22.28

M-35. (C) City of Wichita. NE cor. NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 130 feet. Measuring point, opening on side of pump base, 2.00 feet above lsd. Highest water level 10.30 below lsd, July 8, 1949; lowest 58.00 below lsd, Aug. 1, 1955, July 2, Aug. 1, 1956, Mar. 1, 1957. Records available: 1947, 1949-59.

Feb. 2	49.00	May 1	46.00	July 31	48.00	Nov. 2	48.00
Mar. 2	27.00	June 1	47.00	Sept. 1	26.00	Dec. 1	26.00
Apr. 1	47.00	July 1	46.00	Oct. 1	26.00	31	26.00

M-35b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 25 S., R. 1 W., 500 feet northwest of M-35. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 86 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 10.60 below lsd, Sept. 2, 1949; lowest 33.51 below lsd, May 1, 1957. Records available: 1947-59.

Feb. 2	27.97	May 1	27.56	July 31	27.15	Nov. 2	26.72
Mar. 2	27.35	June 1	26.42	Sept. 1	26.17	Dec. 1	25.83
Apr. 1	27.32	July 1	26.37	Oct. 1	26.15	31	25.63

M-36. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 184 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 25.71 below lsd, Feb. 2, 1959; lowest 62.76 below lsd, Dec. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	26.83	May 1, 1959	26.24	Sept. 1, 1959	26.38
Dec. 31	25.83	June 1	61.55	Oct. 1	51.54
Feb. 2, 1959	25.71	July 1	62.19	Dec. 1	62.76
Mar. 2	26.12	31	26.26	31	60.02
Apr. 1	25.90				

M-36b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W., 240 feet southwest of M-36. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.23 below lsd, Dec. 1, 1958; lowest 25.48 below lsd, Apr. 22, 1958. Records available: 1958-59.

Apr. 22, 1958	25.48	Dec. 31, 1958	23.27	July 31, 1959	23.46
July 1	25.22	Feb. 2, 1959	23.27	Sept. 1	23.71
Aug. 1	24.54	Mar. 2	23.46	Oct. 1	24.30
Sept. 3	24.11	Apr. 1	23.49	Nov. 2	23.67
Oct. 2	23.89	May 1	23.39	Dec. 1	23.82
Nov. 1	23.25	June 1	23.95	31	23.80
Dec. 1	23.23	July 1	24.35		

M-36d. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W., 240 feet southwest of M-36. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 180 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 23.28 below lsd, Oct. 2, 1958; lowest 35.29 below lsd, July 1, Dec. 1, 1959. Records available: 1958-59.

Apr. 22, 1958	25.86	Dec. 31, 1958	23.57	July 31, 1959	23.85
July 1	25.38	Feb. 2, 1959	23.41	Sept. 1	23.93
Aug. 1	24.57	Mar. 2	23.81	Oct. 1	34.89
Sept. 3	24.29	Apr. 1	23.47	Nov. 2	23.99
Oct. 2	23.28	May 1	23.75	Dec. 1	35.29
31	23.30	June 1	34.64	31	34.51
Dec. 1	23.39	July 1	35.29		

M-37. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 16.65 below lsd, Dec. 31, 1958; lowest 63.89 below lsd, Nov. 2, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1958	17.60	May 1, 1959	18.57	Oct. 1, 1959	19.52
Dec. 31	16.65	June 1	18.24	Nov. 2	63.89
Feb. 2, 1959	16.83	July 1	61.99	Dec. 1	62.92
Mar. 2	16.99	31	63.36	31	58.17
Apr. 1	17.37	Sept. 1	19.13		

M-37b. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-37. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 53 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.65 below lsd, Oct. 2, 1958; lowest 20.74 below lsd, Dec. 31, 1959. Records available: 1958-59.

May 14, 1958	18.71	Dec. 31, 1958	17.25	July 31, 1959	20.27
July 1	18.68	Feb. 2, 1959	16.95	Sept. 1	19.76
Aug. 1	17.67	Mar. 2	17.36	Oct. 1	19.89
Sept. 3	17.56	Apr. 1	18.19	Nov. 2	20.61
Oct. 2	16.65	May 1	17.97	Dec. 1	20.67
Nov. 1	16.77	June 1	18.36	31	20.74
Dec. 1	17.00	July 1	20.14		

M-37d. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-37. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 160 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.44 below lsd, Nov. 1, 1958; lowest 32.57 below lsd, Nov. 2, 1959. Records available: 1958-59.

May 14, 1958	18.47	Dec. 31, 1958	16.69	July 31, 1959	32.18
July 1	18.34	Feb. 2, 1959	16.83	Sept. 1	19.30
Aug. 1	17.30	Mar. 2	17.00	Oct. 1	19.57
Sept. 3	17.19	Apr. 1	17.46	Nov. 2	32.57
Oct. 2	16.94	May 1	17.64	Dec. 1	32.28
Nov. 1	16.44	June 1	18.18	31	31.01
Dec. 1	16.64	July 1	31.87		

M-38. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 128 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 15.74 below lsd, Apr. 1, 1959; lowest 72.50 below lsd, Sept. 1, 1959. Records available: 1958-59.

Jan. 17, 1958	17.02	May 1, 1959	17.02	Oct. 1, 1959	19.34
Dec. 31	15.93	June 1	17.55	Nov. 2	19.94
Feb. 2, 1959	16.12	July 1	18.64	Dec. 1	19.07
Mar. 2	16.38	31	19.27	31	19.28
Apr. 1	15.74	Sept. 1	72.50		

M-38b. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-38. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 46 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.48 below lsd, Nov. 1, 1958; lowest 22.02 below lsd, Sept. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
July 1, 1958	19.24	Feb. 2, 1959	17.93	July 31, 1959	21.00
Aug. 1	18.10	Mar. 2	18.07	Sept. 1	22.02
Sept. 3	18.03	Apr. 1	18.57	Oct. 1	21.18
Oct. 2	17.70	May 1	18.86	Nov. 2	20.73
Nov. 1	17.48	June 1	19.30	Dec. 1	20.64
Dec. 1	17.80	July 1	20.21	31	21.00
31	17.76				

M-38d. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-38. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 127 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.49 below lsd, Oct. 2, 1958; lowest 28.49 below lsd, Sept. 1, 1959. Records available: 1958-59.

Jan. 17, 1958	20.07	Dec. 31, 1958	17.88	July 31, 1959	21.11
July 1	19.41	Feb. 2, 1959	18.10	Sept. 1	28.49
Aug. 1	18.24	Mar. 2	18.25	Oct. 1	21.28
Sept. 3	18.24	Apr. 1	18.75	Nov. 2	20.98
Oct. 2	17.49	May 1	19.01	Dec. 1	20.92
Nov. 1	17.58	June 1	19.48	31	21.09
Dec. 1	17.59	July 1	20.36		

M-39. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 154 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.40 below lsd, Dec. 31, 1958; lowest 51.63 below lsd, July 31, 1959. Records available: 1958-59.

Dec. 31, 1958	14.40	June 1, 1959	33.82	Oct. 1, 1959	50.15
Feb. 2, 1959	14.68	July 1	50.25	Nov. 2	18.12
Mar. 2	14.85	31	51.63	Dec. 1	51.29
Apr. 1	15.34	Sept. 1	17.84	31	18.48
May 1	16.40				

M-39b. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 25 S., R. 1 W., 240 feet southwest of M-39. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.25 below lsd, Oct. 2, 1958; lowest 19.32 below lsd, Oct. 1, 1959. Records available: 1958-59.

Jan. 10, 1958	14.24	Dec. 31, 1958	12.25	July 31, 1959	18.98
July 1	13.55	Feb. 2, 1959	12.59	Sept. 1	15.58
Aug. 1	12.25	Mar. 2	12.74	Oct. 1	19.32
Sept. 3	12.22	Apr. 1	13.24	Nov. 2	15.95
Oct. 2	11.25	May 1	13.85	Dec. 1	18.63
Nov. 1	11.87	June 1	17.00	31	16.35
Dec. 1	12.16	July 1	19.31		

M-39d. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 25 S., R. 1 W., 240 feet southwest of M-39. Drilled observation water-table well in sand

and gravel of Pleistocene age, diameter 1¼ inches, depth 143 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.83 below lsd, Nov. 1, 1958; lowest 20.99 below lsd, July 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1958	14.19	Dec. 31, 1958	12.27	July 31, 1959	20.66
July 1	13.00	Feb. 2, 1959	12.50	Sept. 1	15.67
Aug. 1	12.22	Mar. 2	12.67	Oct. 1	20.90
Sept. 3	12.38	Apr. 1	13.18	Nov. 2	16.11
Oct. 2	12.29	May 1	14.70	Dec. 1	20.37
Nov. 1	11.83	June 1	18.00	31	16.45
Dec. 1	12.09	July 1	20.99		

M-40. (C) City of Wichita. SW¼ SW¼ SW¼ sec. 17, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 127 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 12.69 below lsd, Dec. 31, 1958; lowest 55.25 below lsd, Nov. 2, 1959. Records available: 1958-59.

Jan. 15, 1958	13.47	May 1, 1959	53.30	Oct. 1, 1959	16.60
Dec. 31	12.69	June 1	54.43	Nov. 2	55.25
Feb. 2, 1959	12.96	July 1	54.16	Dec. 1	16.37
Mar. 2	13.12	31	16.11	31	51.39
Apr. 1	13.53	Sept. 1	16.52		

M-40b. (C) City of Wichita. SW¼ SW¼ SW¼ sec. 17, T. 25 S., R. 1 W., 240 feet southeast of M-40. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.53 below lsd, Nov. 1, 1958; lowest 14.66 below lsd, July 1, 1959. Records available: 1958-59.

Jan. 16, 1958	12.59	Dec. 31, 1958	11.73	July 31, 1959	11.91
July 1	12.00	Feb. 2, 1959	11.16	Sept. 1	14.39
Aug. 1	10.67	Mar. 2	11.29	Oct. 1	13.62
Sept. 3	10.97	Apr. 1	11.81	Nov. 2	14.39
Oct. 2	10.79	May 1	12.85	Dec. 1	14.29
Nov. 1	10.53	July 1	14.66	31	14.50
Dec. 1	10.77				

M-40d. (C) City of Wichita. SW¼ SW¼ SW¼ sec. 17, T. 25 S., R. 1 W., 240 feet southeast of M-40. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 121 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.59 below lsd, Oct. 2, 1958; lowest 27.34 below lsd, July 1, 1959. Records available: 1958-59.

Jan. 16, 1958	13.03	Dec. 31, 1958	11.30	July 31, 1959	14.67
July 1	12.32	Feb. 2, 1959	11.55	Sept. 1	14.72
Aug. 1	11.28	Mar. 2	11.71	Oct. 1	15.05
Sept. 3	11.34	Apr. 1	12.15	Nov. 2	27.16
Oct. 2	10.59	May 1	25.64	Dec. 1	14.82
Nov. 1	10.80	June 1	26.81	31	26.04
Dec. 1	11.15	July 1	27.34		

M-51. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.22 below lsd, Jan. 2, 1959; lowest 72.83 below lsd, Oct. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	19.46	May 1, 1959	18.97	Oct. 1, 1959	72.83
Jan. 2, 1959	17.22	June 1	18.65	Nov. 2	19.56
Feb. 2	17.47	July 1	71.56	Dec. 1	19.72
Mar. 2	17.47	31	19.37	31	19.24
Apr. 1	20.22	Sept. 1	72.62		

M-51b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W., 240 feet west of M-51. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 0.75 foot above lsd. Highest water level 6.45 below lsd, Nov. 1, 1958; lowest 9.20 below lsd, Oct. 1, 1959. Records available: 1958-59.

Feb. 14, 1958	8.95	Jan. 2, 1959	7.21	July 31, 1959	8.23
July 1	8.19	Feb. 2	7.39	Sept. 1	8.65
Aug. 1	6.59	Mar. 2	7.56	Oct. 1	9.20
Sept. 3	7.16	Apr. 1	7.72	Nov. 2	8.08
Oct. 2	7.63	May 1	7.92	Dec. 1	8.28
Nov. 1	6.45	June 1	7.51	31	8.46
Dec. 1	6.89	July 1	7.96		

M-51d. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W., 240 feet west of M-51. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 162 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.39 below lsd, Jan. 2, 1959; lowest 51.62 below lsd, Sept. 1, 1959. Records available: 1958-59.

Feb. 2, 1958	23.00	Jan. 2, 1959	18.39	July 31, 1959	21.91
July 1	20.35	Feb. 2	19.09	Sept. 1	51.62
Aug. 1	19.64	Mar. 2	19.31	Oct. 1	50.76
Sept. 3	19.39	Apr. 1	22.20	Nov. 2	21.38
Oct. 2	18.62	May 1	20.62	Dec. 1	21.51
Nov. 1	18.57	June 1	20.33	31	20.99
Dec. 1	18.75	July 1	51.23		

M-52. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 40 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 6.18 below lsd, Jan. 2, 1959; lowest 8.87 below lsd, Oct. 1, 1959. Records available: 1958-59.

Feb. 23, 1958	6.90	May 1, 1959	7.05	Oct. 1, 1959	8.87
Jan. 2, 1959	6.18	June 1	6.51	Nov. 2	7.19
Feb. 2	6.34	July 1	6.98	Dec. 1	7.35
Mar. 2	6.46	31	7.42	31	7.50
Apr. 1	6.66	Sept. 1	7.95		

M-52b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W., 240 feet southwest of M-52. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 6.51 below lsd, Oct. 2, 1958; lowest 10.76 below lsd, Oct. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1958	9.70	Jan. 2, 1959	8.08	July 31, 1959	9.38
July 1	10.02	Feb. 2	8.27	Sept. 1	9.89
Aug. 1	7.35	Mar. 2	8.42	Oct. 1	10.76
Sept. 2	8.15	Apr. 1	8.59	Nov. 2	9.11
Oct. 2	6.51	May 1	8.97	Dec. 1	9.28
Nov. 1	7.30	June 1	8.40	31	9.41
Dec. 1	7.81	July 1	8.92		

M-53. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 92 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.44 below lsd, Jan. 2, 1959; lowest 30.46 below lsd, May 1, 1959. Records available: 1958-59.

Feb. 7, 1958	6.72	May 1, 1959	30.46	Oct. 1, 1959	29.82
Jan. 2, 1959	6.44	June 1	7.03	Nov. 2	7.74
Feb. 2	6.63	July 1	7.48	Dec. 1	7.80
Mar. 2	6.86	31	29.30	31	7.90
Apr. 1	29.57	Sept. 1	29.82		

M-53b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W., 240 feet southwest of M-53. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 36 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.50 below lsd, Oct. 2, 1958; lowest 8.85 below lsd, Sept. 1, 1959. Records available: 1958-59.

Feb. 11, 1958	6.50	Jan. 2, 1959	4.95	July 31, 1959	8.05
July 1	5.84	Feb. 2	5.16	Sept. 1	8.85
Aug. 1	3.55	Mar. 2	5.36	Oct. 1	8.78
Sept. 2	5.85	Apr. 1	7.14	Nov. 2	6.20
Oct. 2	3.50	May 1	7.62	Dec. 1	6.23
Nov. 1	4.18	June 1	5.46	31	6.32
Dec. 1	4.68	July 1	5.85		

M-54. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.50 below lsd, June 1, 1959; lowest 10.31 below lsd, Oct. 1, 1959. Records available: 1958-59.

Feb. 13, 1958	7.66	June 1, 1959	7.50	Oct. 1, 1959	10.31
Mar. 2, 1959	7.58	July 1	7.83	Nov. 2	8.54
Apr. 1	7.65	31	8.39	Dec. 1	8.34
May 1	8.13	Sept. 1	9.28	31	8.50

M-54b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W., 240 feet northwest of M-54. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.10 below lsd, July 1, 1959; lowest 10.62 below lsd, Oct. 1, 1959. Records available: 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1	8.22	July 1	8.10	Oct. 1	10.62	Dec. 1	9.09
May 1	8.75	31	9.14	Nov. 2	9.28	31	9.21
June 1	8.17	Sept. 1	9.79				

M-55. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 47 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.44 below lsd, Jan. 2, 1959; lowest 26.12 below lsd, Oct. 1, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1958	10.05	May 1, 1959	10.73	Oct. 1, 1959	26.12
Jan. 2, 1959	9.44	June 1	10.00	Nov. 2	11.04
Feb. 2	9.65	July 1	10.28	Dec. 1	10.86
Mar. 2	9.89	31	25.65	31	10.96
Apr. 1	10.00	Sept. 1	11.63		

M-55b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W., 240 feet southwest of M-55. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.94 below lsd, Oct. 2, 1958; lowest 13.17 below lsd, Oct. 1, 1959. Records available: 1958-59.

Feb. 11, 1958	9.02	Jan. 2, 1959	7.55	July 31, 1959	11.55
July 1	8.42	Feb. 2	7.76	Sept. 1	9.82
Aug. 1	6.68	Mar. 2	7.96	Oct. 1	13.17
Sept. 2	7.48	Apr. 1	8.14	Nov. 2	9.15
Oct. 2	5.94	May 1	8.78	Dec. 1	8.94
Nov. 1	6.72	June 1	8.06	31	8.78
Dec. 1	7.20	July 1	8.20		

28-1-2cb. Bill Vanderhoff. Driven domestic and stock well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{2}$ inches, depth 30 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 10.60 below lsd, July 23, 1959; lowest 11.20 below lsd, Apr. 29, 1959. Records available: 1959. Apr. 29, 11.20; July 23, 10.60; Oct. 21, 10.81.

28-1-36adc. George Lipke. Drilled irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth 58 feet. Measuring point, hole in south edge of pump, 1.20 feet above lsd. Highest water level 29.36 below lsd, Oct. 21, 1959; lowest 30.09 below lsd, July 23, 1959. Records available: 1959. Apr. 29, 29.78; July 23, 30.09; Oct. 21, 29.36.

SEWARD COUNTY

15. (C) Cabot Carbon Co. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 32 S., R. 33 W. Drilled domestic and stock water-table well in alluvium, diameter 5 inches, depth 53 feet. Measuring point, top of hole cut in steel disk, 0.20 foot above lsd. Highest water level 15.88 below lsd, May 3, 1944; lowest 19.47 below lsd, Sept. 10, 1956. Records available: 1940-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	17.87	Mar. 13	17.85	May 7	17.90	Oct. 21	18.32
Feb. 12	17.86	Apr. 3	17.84	Aug. 14	18.38		

31-34-17cb. (C) Carrie Young. Drilled stock water-table well in sand and gravel of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 131 feet. Measuring point, north side between plate and shaft of pump, 0.20 foot above lsd. Highest water level 113.05 below lsd, Oct. 25, 1951; lowest 122.92 below lsd, Aug. 14, 1958. Records available: 1950-59. Feb. 12, 121.35; Mar. 13, 120.96; May 7, 122.70; Aug. 14, 121.45; Oct. 21, 121.53.

33-31-20aa. (C) Owner unknown. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 191 feet. Measuring point, top of iron plate in pipe, 0.70 foot above lsd. Highest water level 172.46 below lsd, Mar. 12, 1957; lowest 180.62 below lsd, Nov. 6, 1958. Records available: 1956-59. Jan. 8, 178.38; Feb. 12, 178.04; Apr. 10, 178.35.

33-33-29dd. (C) Owner unknown. Drilled stock well in sand and gravel of Pleistocene age and Ogallala Formation, diameter 4 inches, depth 179 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 168.25 below lsd, Nov. 13, 1956; lowest 169.79 below lsd, Oct. 21, 1959. Records available: 1955-59.

Jan. 16	169.31	Mar. 13	169.39	Aug. 14	169.73	Oct. 21	169.79
Feb. 12	169.34	Apr. 3	169.83				

SHAWNEE COUNTY

11-15-16c. (C) State Board of Agriculture. Drilled observation water-table well in alluvium, diameter 18 inches, depth 47 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 8.87 below lsd, July 16, 1951; lowest 31.34 below lsd, Apr. 10, 15, 1957. Records available: 1950-59.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.39	25.74	25.98	26.12	25.84	25.18	25.53	25.56	26.30	26.37	25.83	26.20
10	25.44	25.79	26.01	26.10	25.66	25.18	25.58	25.71	26.38	25.84	25.90	26.28
15	25.48	25.88	26.03	26.01	25.44	25.23	25.42	25.83	26.44	25.64	25.97	26.33
20	25.54	25.93	24.07	25.95	25.20	25.31	25.32	25.95	26.47	25.65	26.00	26.41
25	25.62	25.94	26.09	25.90	25.15	25.37	25.31	26.06	26.50	25.68	26.06	26.45
30	25.69	.....	26.13	25.85	25.15	25.45	25.39	26.18	26.51	25.78	26.14	26.52

11-16-5bc. (C) C. C. Busey. Dug unused water-table well in White Cloud Shale member of Scranton Shale, diameter 6 feet, depth 23 feet, cribbed with rock. Measuring point, top south edge of square hole in concrete platform, 0.10 foot above lsd. Highest water level 1.27 below lsd, Apr. 15, 1949; lowest 13.03 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

SHERIDAN COUNTY

7-28-28dd. (C) Owner unknown. Drilled unused observation well in Ogallala Formation, diameter 6 inches, depth 118 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 108.19 below lsd, Nov. 22, 1954; lowest 108.77 below lsd, Nov. 26, 1956, Apr. 16, 1958. Records available: 1952-59. Feb. 16, 108.45; Apr. 15, 108.49; July 15, 108.49; Oct. 13, 108.62.

8-26-17cb. (C) Owner unknown. Drilled unused observation well in Ogallala Formation, diameter 5 inches, depth 55 feet. Measuring point, top of casing, 0.20 foot above lsd. Highest water level 47.12 below lsd, Apr. 15, 1959; lowest 49.03 below lsd, Nov. 26, 1956. Records available: 1952-59. Jan. 16, 47.50; Apr. 15, 47.12; July 15, 47.67; Oct. 13, 47.90.

8-28-33dc. (C) School district. Drilled unused well in Ogallala Formation, diameter 8 inches, depth 56 feet. Measuring point, top of casing, 0.90 foot above lsd. Highest water level 48.35 below lsd, Aug. 7, 1952; lowest dry, Aug. 27, 1956. Records available: 1952-59. Feb. 16, 52.05; Apr. 15, 51.91; July 15, 54.03.

SHERMAN COUNTY

6-42-2aaa. (C) Harvey J. Stewart. Drilled unused water-table stock well in Ogallala Formation, diameter 6 inches, depth 225 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 181.51 below lsd, July 14, 1959; lowest 182.73 below lsd, Oct. 12, 1959. Records available: 1959. July 14, 181.51; Oct. 12, 182.73.

8-39-19caa. (C) Wm. Hall (City of Goodland). Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 165 feet. Measuring point, top of south side of casing, 0.40 foot above lsd. Highest water level 118.13 below lsd, Apr. 24, 1951; lowest 158.85 below lsd, July 14, 1959. Records available: 1950-59. Jan. 16, 155.30; Apr. 14, 154.90; July 14, 158.85; Oct. 12, 158.28.

8-40-24baa. (C) Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 164 feet. Measuring point, top west side of casing, 0.70 foot above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 141.28 below lsd, July 14, 1959. Records available: 1948-59. Jan. 15, 139.00; Apr. 14, 138.93; July 14, 141.28; Oct. 12, 139.35.

9-39-30cbb. (C) Charles Glenn. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 145 feet. Measuring point, top south side of casing, at land surface. Highest water level 117.99 below lsd, Jan. 20, 1953; lowest 118.90 below lsd, Apr. 14, 1949. Records available: 1948-59. Jan. 15, 118.37; Apr. 14, 118.38; Oct. 12, 118.41.

SMITH COUNTY

4-14-32bc. (MB) U.S.B.R. Drilled observation well in alluvium, diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet

above lsd. Highest water level 25.90 below lsd, Aug. 19, Sept. 16, 1959; lowest 37.62 below lsd, June 19, 1957. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	29.42	May 12	30.04	July 15	26.13	Sept. 16	25.90
Apr. 15	29.80	June 16	29.25	Aug. 19	25.90		

4-14-34bc. (MB) Laura Davis. Dug stock water-table well in terrace deposits of Pleistocene age, diameter 32 inches, depth 46 feet. Measuring point, top south side of wooden platform, 2.00 feet above lsd. Highest water level 32.58 below lsd, Oct. 8, 1959; lowest 45.37 below lsd, Mar. 22, 1951. Records available: 1945-59. Apr. 2, 38.00; Oct. 8, 32.58.

4-14-34dd. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 40 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 21.71 below lsd, Nov. 20, 1951; lowest 32.10 below lsd, June 20, 1957. Records available: 1951-59. Apr. 2, 28.80; Oct. 8, 28.48.

4-15-31cb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 9.37 below lsd, Aug. 17, 1951; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-59.

Jan. 13	13.14	May 12	12.89	July 15	12.70	Sept. 16	12.55
Apr. 2	13.12	June 16	12.66	Aug. 19	12.68	Oct. 8	12.58
15	11.86						

4-15-34bb. (MB) U.S.B.R. Drilled observation well in alluvium, diameter 1¼ inches, depth 58 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 16.70 below lsd, Sept. 21, 1959; lowest 34.04 below lsd, June 19, 1957. Records available: 1956-59.

Jan. 13	22.87	June 7	23.03	July 15	19.55	Aug. 18	17.55
Mar. 17	23.39	16	22.60	20	19.05	31	17.00
Apr. 14	23.62	22	22.55	27	18.58	Sept. 8	16.92
May 12	23.95	29	20.08	Aug. 3	17.98	21	16.70
25	23.93	July 6	20.35	10	17.60	24	17.20
June 1	23.60						

4-15-34cb. (MB) U.S.B.R. Drilled observation well in alluvium, diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 18.20 below lsd, Sept. 21, 1959; lowest 30.20 below lsd, May 14, 1957. Records available: 1956-59.

Jan. 13	21.50	June 7	21.35	July 15	20.70	Aug. 18	19.20
Mar. 17	21.25	16	21.14	20	20.54	31	18.97
Apr. 14	21.10	22	21.15	27	20.25	Sept. 8	18.63
May 12	21.35	29	21.05	Aug. 3	19.94	21	18.20
25	21.35	July 6	20.94	10	19.71	24	19.17
June 1	21.33						

4-15-34da. (MB) U.S.B.R. Drilled observation well in alluvium, diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 21.15 below lsd, Sept. 17, 1958; lowest 34.60 below lsd, May 14, 1957. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	24.07	June 7	27.20	July 15	23.60	Aug. 18	22.05
Mar. 17	26.10	16	27.00	20	23.30	31	21.45
Apr. 14	26.77	22	26.43	27	23.20	Sept. 8	21.25
May 12	26.94	29	26.05	Aug 3	22.55	21	21.35
25	26.95	July 6	24.75	10	22.05	24	21.50
June 1	27.20						

4-15-35cc. (MB) U.S.B.R. Drilled observation well in alluvium, diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 5.85 below lsd, Jan. 13, 1959; lowest 12.86 below lsd, May 14, 1957. Records available: 1956-59.

Jan. 13	5.85	June 7	6.78	July 15	6.90	Aug. 18	6.59
Mar. 17	6.28	16	6.91	20	6.84	31	6.48
Apr. 14	6.47	22	6.96	27	6.75	Sept. 8	6.15
May 12	6.70	29	6.96	Aug. 3	6.68	21	6.05
25	6.69	July 6	6.95	10	6.60	24	6.50
June 1	6.80						

5-13-4dc. (MB) Roy Eller. Dug domestic and stock water-table well in alluvium, diameter 24 inches, depth 43 feet, cribbed with rock. Measuring point, west side of cement curb, 0.40 foot above lsd. Highest water level 10.78 below lsd, July 24, 1951; lowest 35.28 below lsd, Dec. 17, 1945. Records available: 1945-59. Apr. 2, 18.42; Oct. 14, 19.57.

5-13-22bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 4.80 below lsd, Aug. 17, 1951; lowest 12.15 below lsd, Mar. 12, 1957. Records available: 1951-59.

Jan. 14	9.20	May 13	9.62	July 16	6.50	Sept. 16	5.39
Apr. 2	9.67	June 17	8.45	Aug. 19	5.40	Oct. 14	6.20
15	8.70						

5-13-25dd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 58 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 12.18 below lsd, Aug. 17, 1951; lowest 36.05 below lsd, Apr. 2, 1959. Records available: 1951-59. Apr. 2, 36.05. Measurement discontinued.

5-13-34cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 35 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 9.70 below lsd, Aug. 17, 1951; lowest 24.23 below lsd, June 20, 1957; Records available: 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	18.09	May 13	17.23	July 16	17.35	Sept. 17	17.45
Apr. 4	17.23	June 17	17.30	Aug. 20	17.40	Oct. 14	17.50
15	17.29						

5-13-35ad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 31 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 19.65 below lsd, Oct. 14, 1959; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-59. Apr. 2, 21.97; Oct. 14, 19.65.

5-14-1da. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 38 feet. Measuring point, top of pipe, 4.10 feet above lsd. Highest water level 14.50 below lsd, July 21, 1951; lowest 27.40 below lsd, Mar. 12, 1957. Records available: 1951-59.

Jan. 14	24.35	May 13	24.28	July 16	23.55	Sept. 16	23.30
Apr. 2	24.62	June 17	24.30	Aug. 19	23.50	Oct. 8	22.90
15	24.12						

5-14-2ab. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 30 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 9.47 below lsd, Sept. 18, 1957; lowest 22.25 below lsd, Apr. 18, 1957. Records available: 1951-59.

Jan. 14	18.95	May 13	19.07	July 16	19.03	Sept. 16	18.95
Apr. 2	19.10	June 17	19.10	Aug. 19	18.80	Oct. 14	18.40
15	19.05						

5-15-2dc. (MB) George K. Wamhoff. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 42 feet. Measuring point, top west side of board platform, 1.20 feet above lsd. Highest water level 23.95 below lsd, Oct. 22, 1951; lowest 33.84 below lsd, Nov. 30, 1948. Records available: 1945-59. Apr. 2, 30.47; Oct. 8, 31.10.

STAFFORD COUNTY

19. (C) Atlantic Refining Company. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 21 S., R. 13 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 63 feet. Sand point driven in well pit, measuring point, 0.20 foot below lsd, since Feb. 18, 1957. Highest water level 0.40 foot above lsd, Aug. 29, Sept. 20, 1950; lowest dry, Jan. 21, 1957. Records available: 1942-59.

Jan. 20	2.16	Apr. 17	2.02	July 20	3.17	Oct. 19	6.53
Feb. 20	1.82	May 20	1.71	Aug. 19	4.69	Nov. 19	6.74
Mar. 20	1.96	June 23	3.03	Sept. 21	4.93		

22-13-29da. (C) Owner unknown. Drilled unused supply well for drilling oil well, in Ogallala Formation, diameter 1½ inches, depth 56 feet. Measuring

point, top of casing, 5.50 feet above lsd. Highest water level 9.55 below lsd, Oct. 20, 1958; lowest 13.87 below lsd, Mar. 17, 1958. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 17	11.21	June 23	10.81	Aug. 19	11.85	Oct. 19	12.71
May 20	10.92	July 20	11.32	Sept. 21	12.55		

25-13-3bb. (C) M. L. Halley. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 4 inches, depth 33 feet. Sand point driven in well pit, measuring point, 0.80 foot above lsd, since Feb. 18, 1957. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-59.

Jan. 23	12.62	Apr. 17	12.84	July 23	12.64	Oct. 19	14.19
Feb. 20	12.78	May 20	11.90	Aug. 20	13.44	Nov. 19	13.85
Mar. 20	12.92	June 23	12.00	Sept. 21	14.57	Dec. 17	13.23

STANTON COUNTY

13. (C) Leah Carrithers. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 27 S., R. 40 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 55 feet. Measuring point, at lower north edge of board, 1.00 foot above lsd. Highest water level 43.48 below lsd, Nov. 6, 1958; lowest 51.83 below lsd, Apr. 3, 1940. Records available: 1939-59. Feb. 11, 47.07; Aug. 19, 47.32.

93. (C) Glenn Arnold. NE $\frac{1}{4}$ sec. 11, T. 29 S., R. 41 W. Drilled unused water-table well in Ogallala Formation, diameter 8 inches, depth 234 feet. Measuring point, top south edge of casing, 1.00 foot above lsd. Highest water level 173.14 below lsd, Feb. 9, 1955; lowest 180.66 below lsd, Nov. 13, 1959. Records available: 1939-59. Feb. 4, 178.40; May 15, 178.87; Aug. 19, 179.17; Nov. 2, 179.72; Nov. 13, 180.66.

146. (C) C. M. Harrison. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 30 S., R. 43 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 55 feet. Measuring point, top of coupling, 1.00 foot above lsd. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest dry, Aug. 19, 1959. Records available: 1939-51, 1953-59. Feb. 11, 39.65; May 15, 43.15; Aug. 19, dry; Nov. 13, 47.69.

27-39-27bb. (C) M. P. Molz. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 379 feet. Measuring point, hole in east side steel pump base, 0.30 foot above lsd. Highest water level 78.41 below lsd, Jan. 30, 1959; lowest 107.70 below lsd, Aug. 19, 1959. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1958	88.80	Nov. 6, 1958	84.50	Aug. 19, 1959	107.70
May 28	78.64	Jan. 30, 1959	78.41	Oct. 27	83.14
Aug. 14	94.80	Feb. 11	78.44	Nov. 13	82.14

27-42-31cc. (C) Earl Anderson. Drilled irrigation water-table well in deposits of Pliocene age and Dakota and Cheyenne sandstones, diameter 16 inches, depth 400 feet. Measuring point, hole in east side steel pump base, 1.10 feet above lsd. Highest water level 190.81 below lsd, Jan. 12, 1959; lowest 191.14 below lsd, Nov. 13, 1959. Records available: 1958-59. 1958: Nov. 3, 190.97. 1959: Jan. 12, 190.81; July 28, 191.00; Oct. 29, 190.99; Nov. 13, 191.14.

28-39-29cd. (C) J. D. Burkham. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 400 feet. Measuring point, hole in north side steel pump base, 0.50 foot above lsd. Highest water level 79.12 below lsd, May 28, 1958; lowest 99.57 below lsd, Nov. 6, 1958. Records available: 1958-59.

Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1958	88.64	Jan. 28, 1959	81.93	Oct. 28, 1959	86.57
May 28	79.12	Aug. 19	98.10	Nov. 13	85.04
Nov. 6	99.57				

28-42-35ba. (C) Hal Hale. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 184 feet. Measuring point, hole in southeast side steel pump base, 0.50 foot above lsd. Highest water level 126.00 below lsd, Nov. 3, 1958; lowest 127.02 below lsd, Oct. 28, 1959. Records available: 1958-59. 1958: Nov. 3, 126.00. 1959: Jan. 12, 126.47; Oct. 28, 127.02.

STEVENS COUNTY

31-36-2cd. (C) Mrs. Earl Clark. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 410 feet. Measuring point, lower edge of cut out on east side steel pump base, 1.00 foot above lsd. Highest water level 148.52 below lsd, Feb. 2, 1959; lowest 148.81 below lsd, Dec. 3, 1958. Records available: 1958-59. 1958: Dec. 3, 148.81. 1959: Feb. 26, 148.52.

31-37-22bc. (C) Walter Crotts. Drilled domestic well in Ogallala Formation, diameter 6 inches, depth 264 feet. Measuring point, top of slit in cap on casing, 0.90 foot above lsd. Highest water level 122.21 below lsd, June 3, 1958; lowest 143.10 below lsd, Sept. 3, 1957. Records available: 1956-59. Feb. 12, 123.86; Aug. 14, 139.44; Nov. 6, 125.69.

33-36-26dd. (C) R. Heger. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 360 feet. Measuring point, top edge of hole in pump base, 0.50 foot above lsd. Highest water level 120.14 below lsd, May 13, 1958; lowest 139.06 below lsd, May 7, 1959. Records available: 1942, 1953-59. Feb. 12, 125.26; May 7, 139.06; Aug. 14, 133.90; Nov. 6, 123.25.

33-38-20aa. (C) Forrest Farrar. Drilled domestic well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 118 feet. Measuring point, slit in steel plate over casing, 0.60 foot above lsd. Highest water level 79.50 below lsd, Aug. 14, 1959; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-59. Feb. 12, 83.66; May 7, 86.68; Aug. 14, 79.50; Nov. 6, 80.06.

33-38-20dd. (C) John R. Slemp. Drilled irrigation well in Ogallala

Formation, diameter 16 inches, depth 405 feet. Measuring point, west lower edge of pump, 1.10 feet above lsd. Highest water level 128.21 below lsd, Nov. 6, 1959; lowest 131.00 below lsd, Apr. 18, 1959. Records available: 1959. Apr. 18, 131.00; Nov. 6, 128.21.

33-38-21bbc. (C) Farrar Bros. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 450 feet. Measuring point, north side of pump, 0.70 foot above lsd. Highest water level 118.60 below lsd, Apr. 1, 1959; lowest 118.70 below lsd, Apr. 8, 1959. Records available: 1959. Apr. 1, 118.60; Apr. 8, 118.70.

SUMNER COUNTY

1. (C) Fred Kersey, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 8.61 below lsd, June 6, 1957; lowest 14.47 below lsd, Dec. 18, 1956. Records available: 1954-59. July 7, 11.74.

2. (C) Owner unknown. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 13.27 below lsd, Apr. 2, 1958; lowest 23.14 below lsd, Mar. 19, 1957. Records available: 1954-58. No measurement made in 1959.

3. (C) M. C. Parker. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 34 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 10.19 below lsd, Apr. 2, 1958; lowest 20.57 below lsd, Mar. 19, 1957. Records available: 1954-58. No measurement made in 1959.

4. (C) M. C. Parker. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 10.64 below lsd, Apr. 2, 1958; lowest 23.87 below lsd, Mar. 19, 1957. Records available: 1954-58. No measurement made in 1959.

5. (C) G. A. Blair. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 9.15 below lsd, June 6, 1957; lowest 19.08 below lsd, Dec. 18, 1956. Records available: 1954-58. No measurement made in 1959.

6. (C) G. A. Blair. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 37 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 4.90 below lsd, June 6, 1957; lowest 15.25 below lsd, Dec. 18, 1956. Records available: 1954-58. No measurement made in 1959.

7. (C) G. A. Blair. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.17 below lsd, June 6, 1957; lowest 18.17 below lsd, Dec. 18, 1956. Records available: 1954-58. No measurement made in 1959.

8. (C) G. A. Blair. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point,

top of pipe, 1.80 feet above lsd. Highest water level 6.93 below lsd, June 6, 1957; lowest 21.03 below lsd, Dec. 18, 1956. Records available: 1954-58. No measurement made in 1959.

9. (C) M. C. Parker. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.87 below lsd, Apr. 2, 1958; lowest 19.92 below lsd, Mar. 19, 1957. Records available: 1954-58. No measurement made in 1959.

12. (C) Fred Kersey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 12.03 below lsd, Apr. 2, 1958; lowest 19.62 below lsd, Mar. 19, 1957. Records available: 1954-58. No measurement made in 1959.

13. (C) M. C. Parker. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 8.10 below lsd, Apr. 2, 1958; lowest 14.64 below lsd, Mar. 19, 1957. Records available: 1954-59. July 7, 11.74.

14. (C) M. C. Parker. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 33 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.90 below lsd, Apr. 2, 1958; lowest 11.60 below lsd, Mar. 19, 1957. Records available: 1954-59. July 7, 5.99.

15. (C) M. C. Parker. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 27 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 5.52 below lsd, June 6, 1957; lowest 18.08 below lsd, Dec. 18, 1956. Records available: 1954-58. No measurement made in 1959.

18. (C) Fred Kersey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 32 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 8.73 below lsd, June 6, 1957; lowest 13.63 below lsd, Sept. 13, 1956. Records available: 1954-57, 1959. July 7, 11.80.

19. (C) Thomas Graber. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.65 below lsd, June 6, 1957; lowest 12.18 below lsd, Sept. 13, 1956. Records available: 1954-59. July 7, 9.72.

21. (C) Wm. Van Warmer. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.55 below lsd, Apr. 2, 1958; lowest 6.70 below lsd, Mar. 19, 1957. Records available: 1954-59. July 7, 4.18.

22. (C) Everett Howard. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 42 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 17.13 below lsd, Apr. 2, 1958; lowest 19.56 below lsd, Mar. 19, 1957. Records available. 1954-58. No measurement made in 1959.

23. (C) H. E. Zolter. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 30 S., R. 2 E. Bored obser-

vation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.44 below lsd, Apr. 2, 1958; lowest 11.57 below lsd, Sept. 13, Dec. 19, 1956. Records available: 1954-59. July 7, 9.02.

24. (C) M. Carl. NE¼ NE¼ sec. 18, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.17 below lsd, June 6, 1957; lowest 14.83 below lsd, Dec. 19, 1956. Records available: 1954-59. July 7, 10.92.

25. (C) Harold Martin. NE¼ NW¼ NE¼ sec. 11, T. 30 S., R. 1 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 10.20 below lsd, Apr. 2, 1958; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-59. July 7, 10.95.

THOMAS COUNTY

7. (C) City of Brewster. NW¼ NE¼ sec. 18, T. 8 S., R. 36 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 139 feet. Measuring point, top west side of casing, 0.30 foot above lsd. Highest water level 110.85 below lsd, July 8, 1953; lowest 128.02 below lsd, Oct. 14, 1948. Records available: 1942-59. Jan 16, 124.41; Apr. 14, 124.77; July 15, 125.13; Oct. 13, 126.02.

26. (C) Thomas A. Ryan. NE¼ SE¼ sec. 27, T. 8 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 8 inches, depth 159 feet. Measuring point, top west side of casing, 0.60 foot above lsd. Highest water level 108.46 below lsd, Jan. 18, 1958; lowest 118.83 below lsd, July 29, 1956. Records available: 1942-59. Measurements for Jan. 12, 18, and 19 were omitted in 1958 report.

Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1958	116.50	Jan. 16, 1959	109.72	July 15, 1959	112.25
18	108.46	Apr. 17	109.78	Oct. 12	109.67
19	112.23				

33. (C) Arch Ball. NW¼ NW¼ sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 137 feet. Measuring point, top south edge of cylinder in motor block, 1.60 feet above lsd. Highest water level 114.24 below lsd, Oct. 25, 1954; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52, 1954, 1956-59. Jan. 16, 114.85; Apr. 15, 114.89; Oct. 13, 115.19.

8-34-2aa. (C) U.S.D.A. and Kansas Agricultural Experiment Station. Drilled unused water-table well in Ogallala Formation, depth 160 feet. Measuring point, top edge of hole in platform, 2.10 feet above lsd since Jan. 1958. Highest water level 111.63 below lsd, Apr. 15, 1959; lowest 116.32 below lsd, May 11, 1956. Records available: 1947-59. Delete measurements for Jan. 12, 18, and 19 in 1958 report. 1959: Jan. 16, 112.21; Apr. 15, 111.63; Apr. 17, 111.70; July 15, 111.87; Oct. 13, 112.84.

TREGO COUNTY

14-21-33bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.90 below lsd, Aug. 3, 1950; lowest 18.74 below lsd, June 8, 1956. Records available: 1950-59. Feb. 24, 14.75; Oct. 9, 15.18.

14-22-26da. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 92 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.08 below lsd, Aug. 1, 1957; lowest 33.73 below lsd, Apr. 24, 1955. Records available: 1952-57. No measurement made in 1959.

14-22-36aa. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 74 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 27.20 below lsd, Feb. 3, 1958, Oct. 9, 1959; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-59. Feb. 24, 27.35; Oct. 9, 27.20.

WALLACE COUNTY

12-40-14bba. (C) W. P. Kirkham. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 22 feet. Measuring point, top north side of casing under tin cover, 1.60 feet above lsd. Highest water level 19.72 below lsd, July 20, 1949; lowest 21.84 below lsd, Oct. 25, 1954. Records available: 1948-59. Jan. 15, 20.17; Apr. 14, 20.17; July 14, 20.54.

15-40-2bb. (C) Owner unknown. Drilled unused water-table well in the Ogallala Formation, diameter 5 inches, depth 112 feet. Measuring point, hole in west side of pump, 1.60 feet above lsd. Highest water level 86.68 below lsd, Mar. 31, 1959; lowest 87.63 below lsd, Dec. 8, 1959. Records available: 1958-59. Mar. 31, 86.68; June 25, 86.88; Sept. 18, 87.56; Dec. 8, 87.63.

WICHITA COUNTY

16-35-20cc. (C) F. F. Miller. Drilled irrigation water-table well in Ogallala Formation, diameter 18 inches, depth 189 feet. Measuring point, hole in base of pump, 0.50 foot above lsd. Highest water level 103.24 below lsd, May 7, 1951; lowest 119.99 below lsd, Oct. 6, 1955. Records available: 1951, 1953-59. Mar. 31, 110.90; June 25, 114.32.

16-37-13bb. (C) C. Pearson. Drilled irrigation water-table well in Ogallala Formation, depth 143 feet. Measuring point, hole in west side of pump base, at land surface. Highest water level 77.65 below lsd, June 14, 1951; lowest 91.93 below lsd, Oct. 6, 1955. Records available: 1951, 1953-59. Mar. 31, 81.24; June 25, 83.40; Sept. 18, 84.30; Dec. 8, 82.60.

16-37-30ac. (C) H. E. Thurston. Drilled irrigation water-table well in Ogallala Formation, diameter 18 inches, depth 220 feet. Measuring point, hole in west side pump base, 0.30 foot above lsd. Highest water level 102.70 below lsd, Dec. 8, 1959; lowest 108.60 below lsd, Oct. 8, 1959. Records available: 1959. Oct. 8, 108.60; Dec. 8, 102.70.

18-35-14dc. (C) A. H. Conrady. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 150 feet. Measuring point,

hole in north side pump base, 0.40 foot above lsd. Highest water level 79.74 below lsd, Apr. 11, 1951; lowest 94.68 below lsd, Sept. 18, 1959. Records available: 1951, 1958-59.

Date	Water level	Date	Water level	Date	Water level
Apr. 11, 1951	79.74	Sept. 19, 1958	83.09	June 26, 1959	88.38
May 1, 1958	83.47	Dec. 19	84.28	Sept. 18	94.68
June 5	84.14	Mar. 20, 1959	83.12	Dec. 8	85.35

20-36-14dad. (C) Elmer Hartman. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 116 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 93.97 below lsd, Oct. 6, 1955; lowest 97.35 below lsd, Apr. 26, 1950. Records available: 1947-59. Mar. 31, 94.20; June 26, 94.12; Sept. 18, 94.12; Dec. 8, 94.09.

WOODSON COUNTY

25-16-11ddd. (C) John Yohon. Dug unused water-table well in Stanton Limestone, diameter 5 feet, depth 20 feet, cribbed with rock. Measuring point, top north side of hole in concrete, 1.10 feet above lsd, since Apr. 11, 1957. Highest water level 4.36 below lsd, Aug. 2, 1951; lowest 14.26 below lsd, Nov. 3, 1956. Records available: 1948-52, 1956-57. No measurement made in 1959.

WYANDOTTE COUNTY

101. (C) U.S.G.S. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 98 feet. Measuring point, top of casing, 1.60 feet above lsd. Highest water level 25.02 below lsd, July 11, 1945; lowest 44.55 below lsd, Dec. 31, 1948. Records available: 1944-48, 1950-57. No measurement made in 1959.

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