

**GROUND-WATER LEVELS IN  
OBSERVATION WELLS  
IN KANSAS, 1958**

**By**

**V. C. Fishel, E. L. Gulley, and E. L. Reavis**

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BULLETIN 141

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V. C. FISHEL, E. L. GULLEY, AND E. L. REAVIS

*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, 1958

By V. C. FISHEL, E. L. GULLEY, AND E. L. REAVIS

## ABSTRACT

Measurements of water levels in 717 wells in 71 counties in Kansas in 1958 are given in this report, which is the third 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 51.90 inches at Atchison in eastern Kansas to 15.99 inches at Goodland in western Kansas. Most of the state received above normal precipitation for the year, but precipitation was below normal in a few local areas.

Owing to the above-normal precipitation during 1958, the ground-water levels in most wells in Kansas rose during the year. The average rise of the water level in four key wells in central Kansas was about 1.9 feet. The rise of the water level in a key well in eastern Kansas was about 2.9 feet. The water level in many wells had recovered to the pre-drought stage. During the drought years 1952 through 1956, most ground-water levels in Kansas were at record low stages.

## 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), and the present report is the third of the series and contains the water-level measurements of 717 wells made during 1958.

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 the records of a selected network of observation wells will be published by the U.S. Geological Survey at 5-year intervals.

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

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		

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	
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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 1958 described the ground-water resources of Elk County (Bayne) and a part of Kansas River valley (Beck).

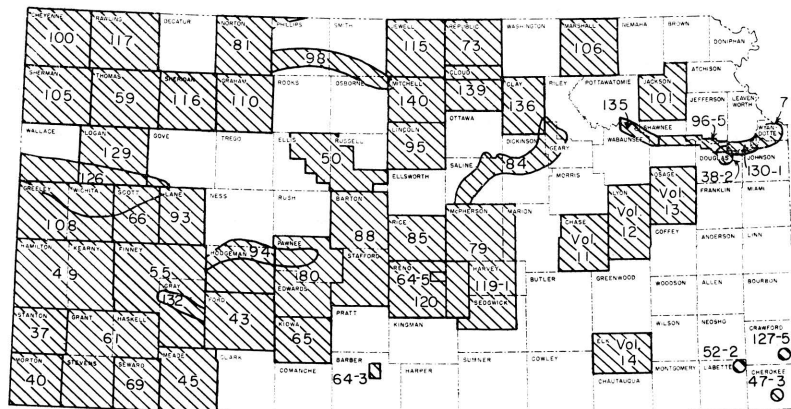


FIG. 1—Areas in Kansas for which ground-water reports have been published as bulletins by the State Geological Survey. (Numbers on map correspond to bulletin numbers.)



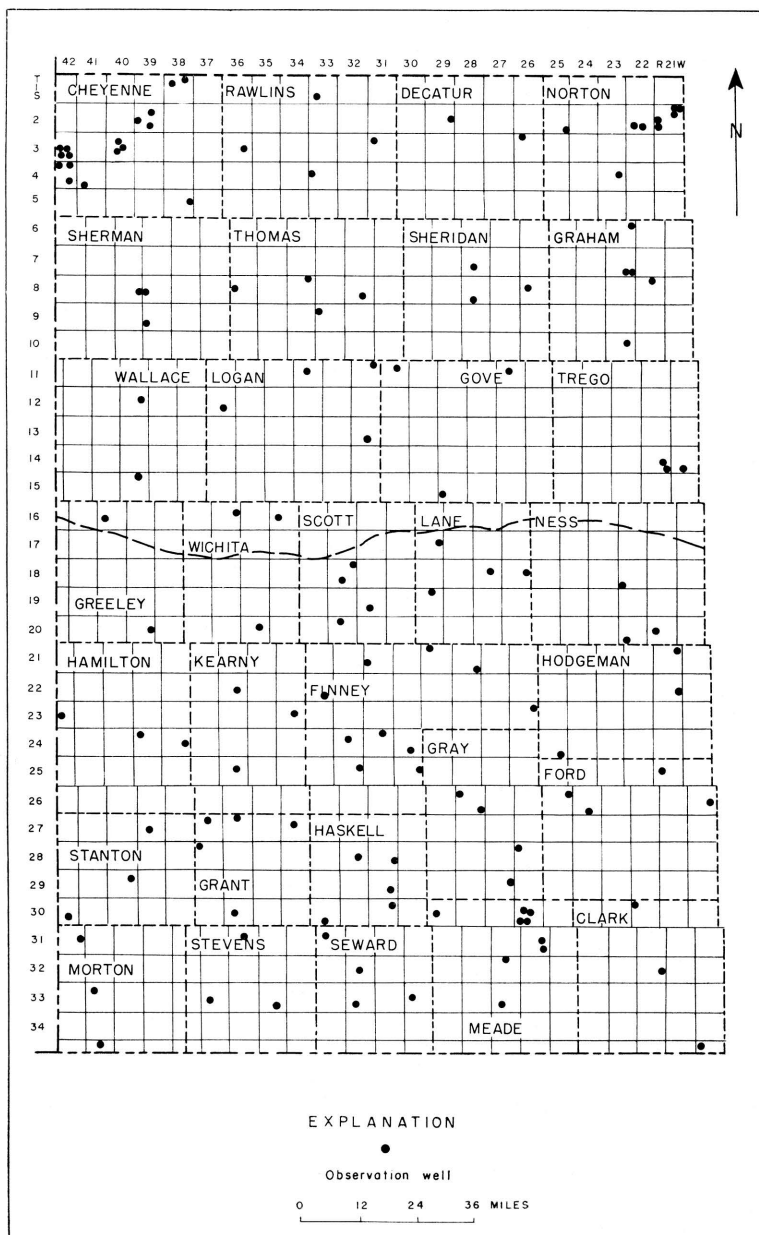


Fig. 2.—Observation wells in western Kansas, December 31, 1958. Dashed line separates Missouri Basin above from Arkansas Basin below.

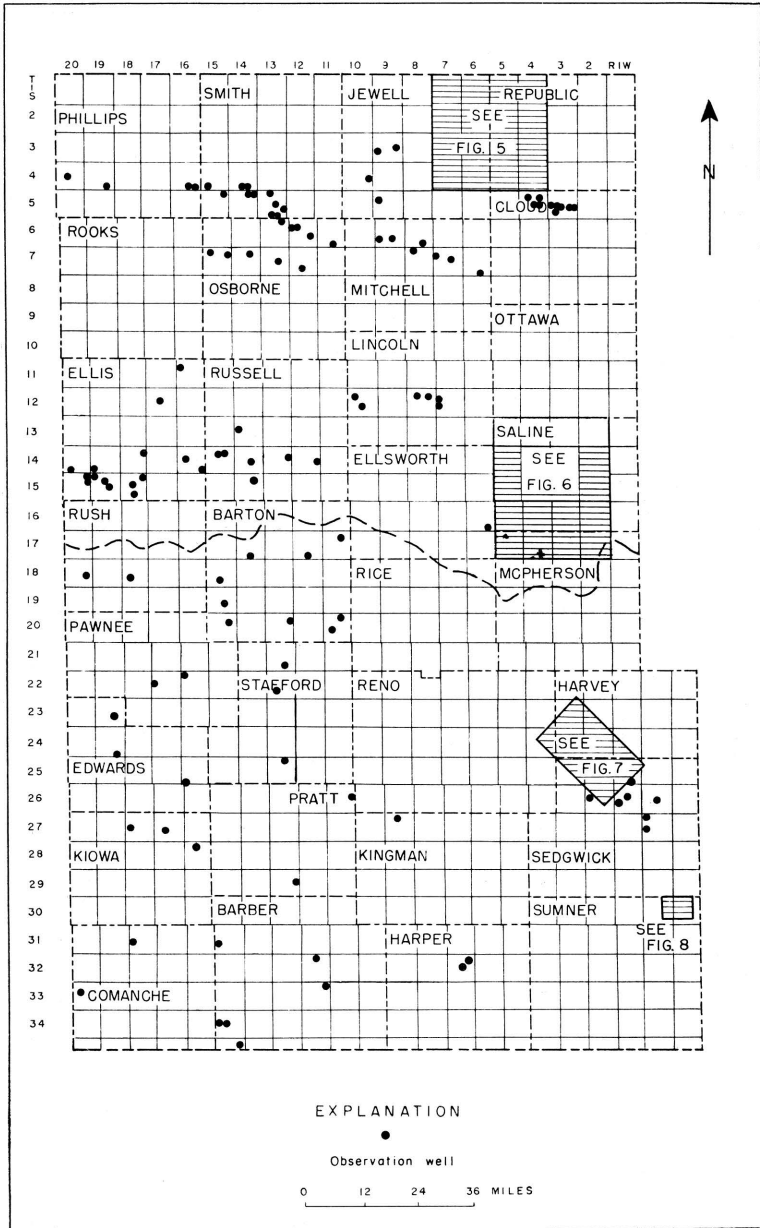


FIG. 3.—Observation wells in central Kansas, December 31, 1958. Dashed line separates Missouri Basin above from Arkansas Basin below.

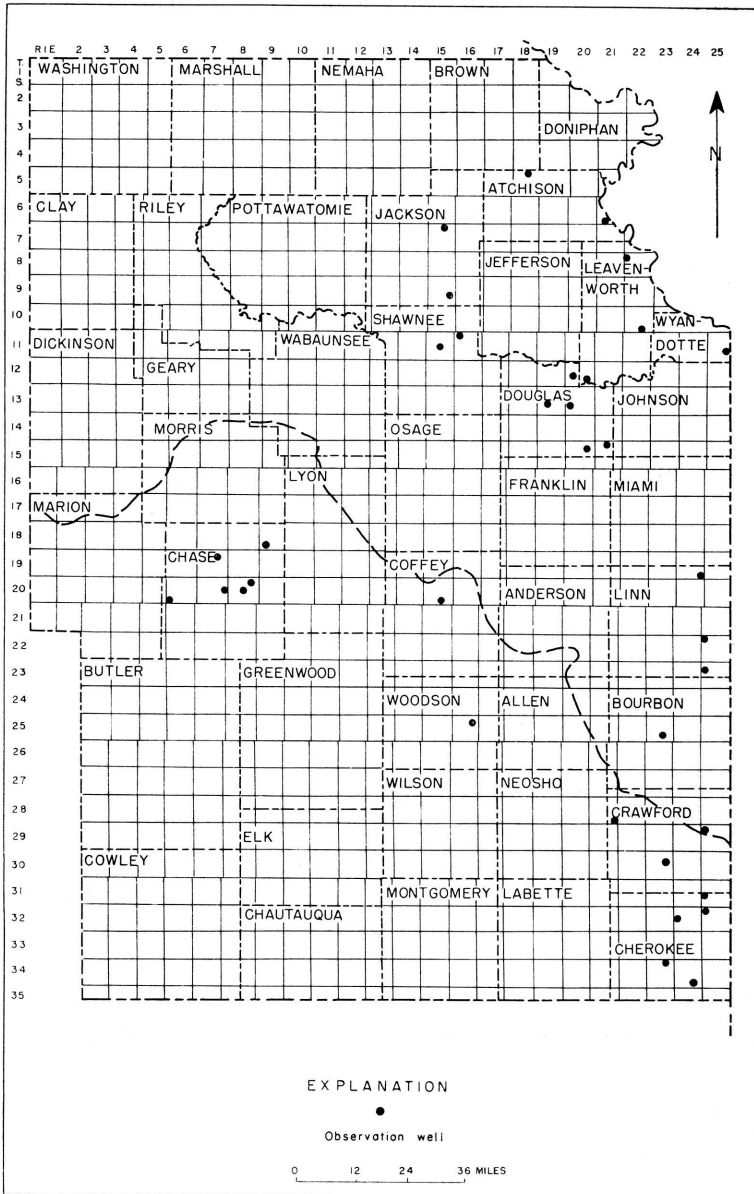


FIG. 4—Observation wells in eastern Kansas, December 31, 1958. Dashed line separates Missouri Basin above from Arkansas Basin below.

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 northwestern and north-central Kansas by Russel Schoof. Records of water levels in southeastern Kansas were provided by A. L. Hornbaker and Douglas Beene of the State Geological Survey. 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

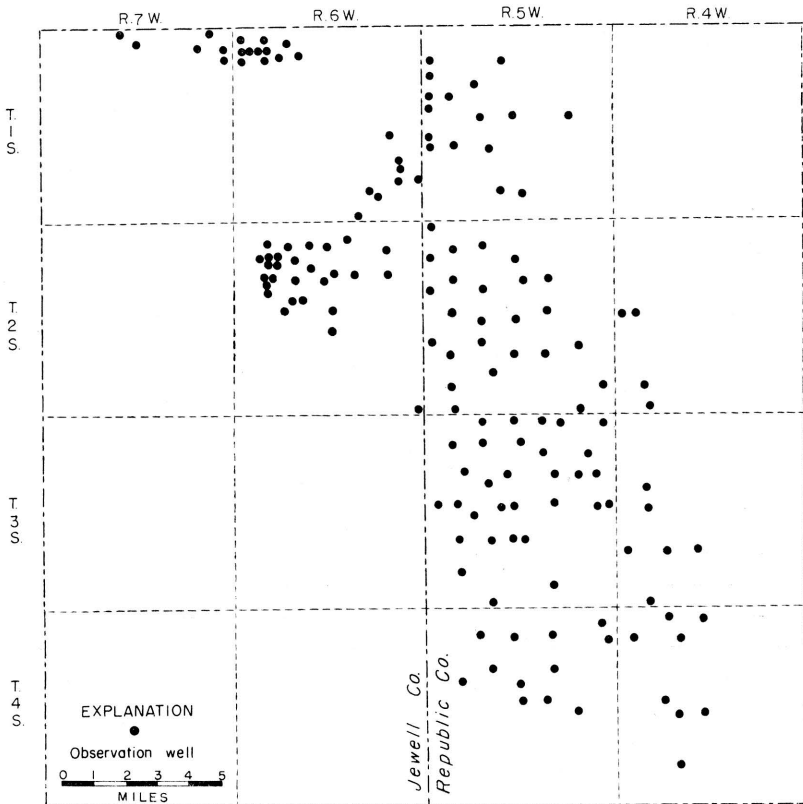


Fig. 5.—Observation wells in Bostwick unit in Jewell and Republic Counties, December 31, 1958.

were observed by members of the Federal and State Geological Surveys.

### SCOPE OF THE WATER-LEVEL PROGRAM

At the end of 1958 the water levels in 709 wells in 71 counties were being observed. During 1958, 8 wells were added to the observation-well network and measurements were discontinued in 31 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 8 inclusive. In four 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, and 8.

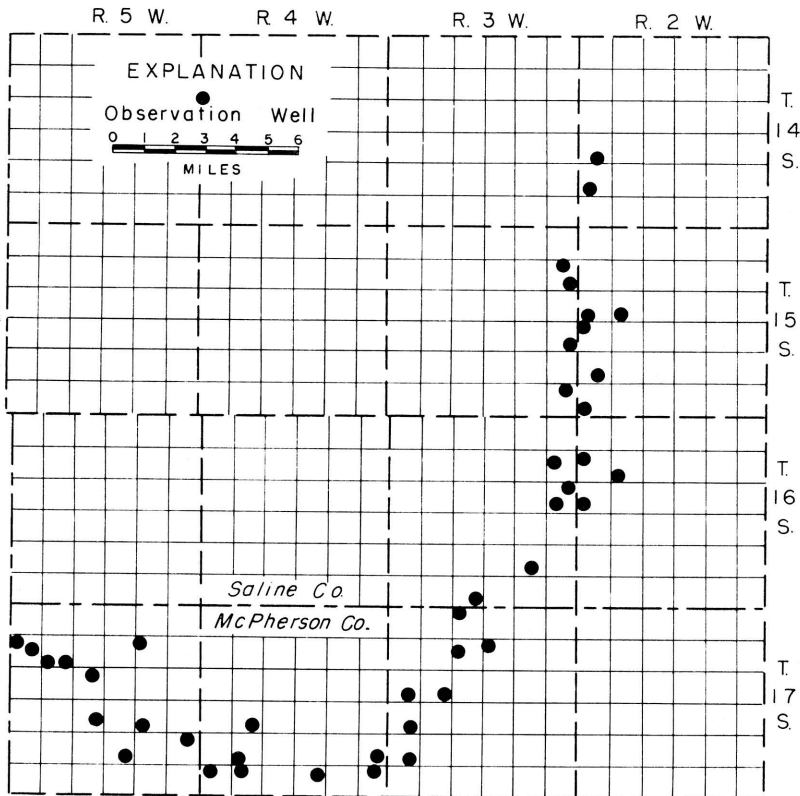


FIG. 6.—Observation wells in Kanapolis unit in Saline and McPherson Counties, December 31, 1958.

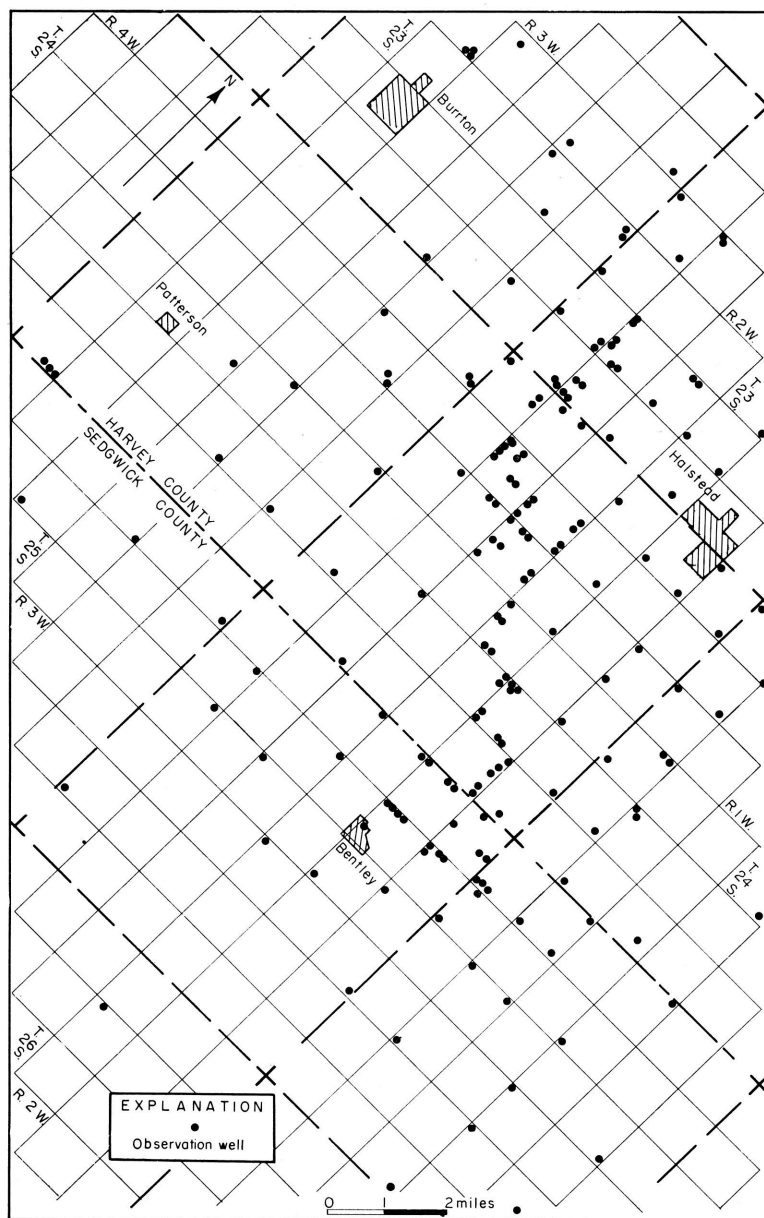


FIG. 7.—Observation wells in Equus-beds area, Harvey and Sedgwick Counties, December 31, 1958

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 1958 are given in this report. The areas included in the Missouri Basin program are given in Table 3.

### 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. 9).

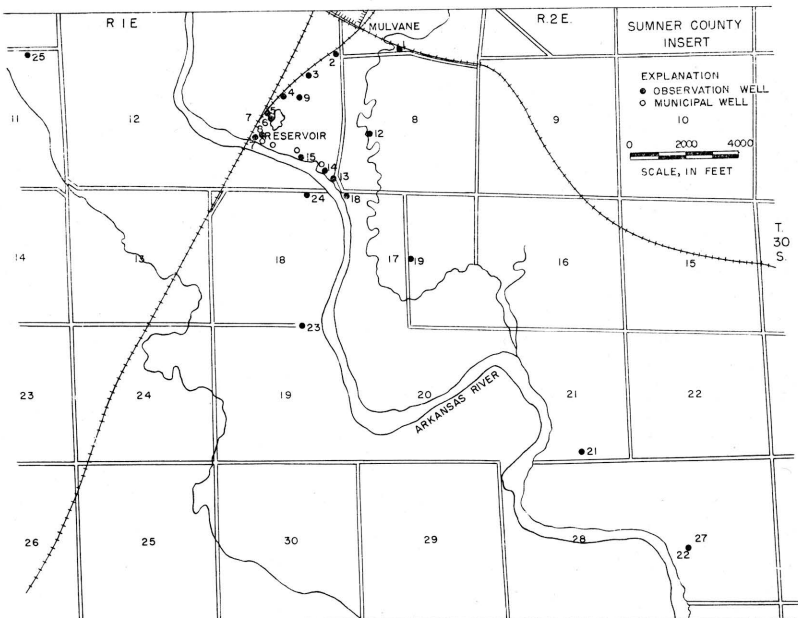


FIG. 8.—Observation wells near Mulvane, Sumner County, December 31, 1958.

TABLE 2.—Summary of Kansas observation-well program during 1958.

County	Number of wells measured at end of year		Observer*
	Missouri Basin	Arkansas Basin	
Atchison	2	..	GS
Barber	..	6	KSBA
Barton	..	9	KSBA
Bourbon	1	..	GS
Chase	..	6	GS
Cherokee	..	5	GS
Cheyenne	17	..	BR and KSBA
Clark	..	3	KSBA
Cloud	10	..	BR
Coffey	..	1	GS
Comanche	..	2	KSBA
Crawford	1	2	GS
Decatur	2	..	KSBA
Douglas	6	..	GS
Edwards	..	3	KSBA
Ellis	15	..	GS and KSBA
Ellsworth	1	..	GS
Finney	..	10	KSBA
Ford	..	4	KSBA
Gove	3	..	KSBA
Graham	5	..	KSBA
Grant	..	5	KSBA
Gray	..	4	KSBA
Greeley	1	1	KSBA
Hamilton	..	3	KSBA
Harper	..	2	A
Harvey	..	130	W
Haskell	..	5	KSBA
Hodgeman	..	3	KSBA
Jackson	2	..	GS
Jewell	57	..	BR and GS
Kearny	..	3	KSBA
Kingman	..	1	KSBA
Kiowa	..	3	KSBA
Lane	..	4	KSBA
Leavenworth	2	..	GS
Lincoln	6	..	GS
Linn	3	..	GS
Logan	3	..	KSBA
McPherson	24	..	GS
Meade	..	9	KSBA
Mitchell	7	..	GS
Morton	..	3	KSBA
Ness	..	3	KSBA
Norton	9	..	GS and KSBA
Osborne	10	..	GS
Pawnee	..	2	KSBA
Phillips	4	..	GS
Pratt	..	2	KSBA
Rawlins	4	..	KSBA
Republic	104	..	BR
Rush	..	2	KSBA



TABLE 2.—*Summary of Kansas observation-well program during 1958 (cont.)*

County	Number of wells measured at end of year		Observer <sup>a</sup>
	Missouri Basin	Arkansas Basin	
Russell	7	..	KSBA
Saline	19	..	GS
Scott	..	4	KSBA
Sedgwick	..	55	W
Seward	..	4	KSBA
Shawnee	2	..	KSBA and GS
Sheridan	3	..	KSBA
Sherman	3	..	KSBA
Smith	11	..	GS
Stafford	..	3	KSBA
Stanton	..	3	KSBA
Stevens	..	3	KSBA
Sumner	..	20	GS
Thomas	4	..	KSBA
Trego	3	..	GS and BR
Wallace	2	..	KSBA
Wichita	2	1	KSBA
Woodson	..	1	GS
Wyandotte	1	..	GS
Total	356	330	

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

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

Unit	Valley	Counties	Number of wells being measured at end of 1958
Almena	Prairie Dog Creek	Norton and Phillips	15
Bostwick	Republican River	Jewell, Republic, and Cloud	172
Cedar Bluff	Smoky Hill River	Ellis and Trego	18
Glen Elder	Solomon River	Mitchell	7
Kanopolis	Smoky Hill River	Saline, McPherson, and Ellsworth	44
Kirwin	North Fork Solomon River	Smith, Phillips and Osborne	26
Webster	South Fork Solomon River	Osborne	5
Wilson	Saline River	Lincoln	6
St. Francis	South Fork Republican River	Cheyenne	17
Total			310

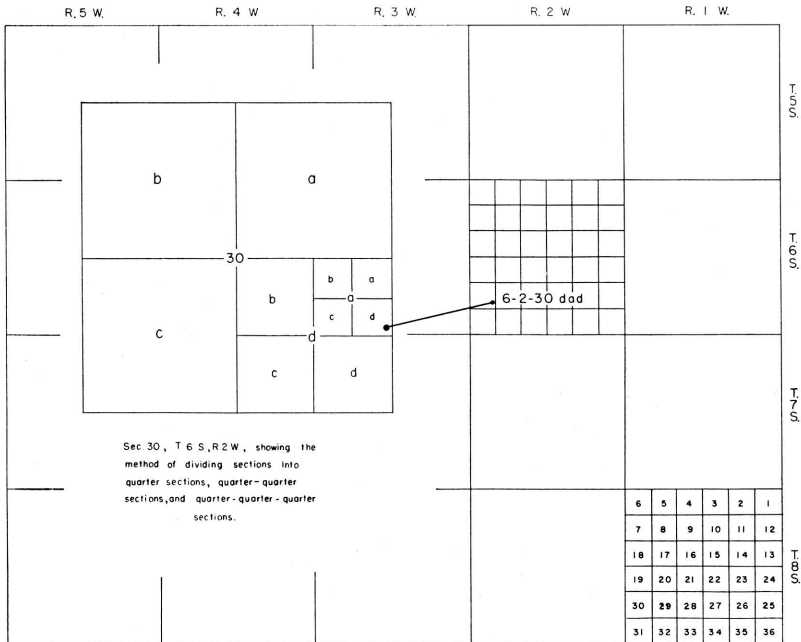


FIG. 9.—Map of Cloud County illustrating well-numbering system based on land-classification system.

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 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 letters (MB C) indicate that the well is a Missouri Basin well and that previous records have been published in the annual series of Water-Supply Papers and also were included in the annual mimeographed reports.

The prefix M in the numbers of some wells in Harvey and Sedgwick Counties indicates public-supply wells of the City of Wichita. The additional letter a, b, or c denotes an observation well 100 feet, 500 feet, or 20 feet, respectively, from the public-supply well.

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

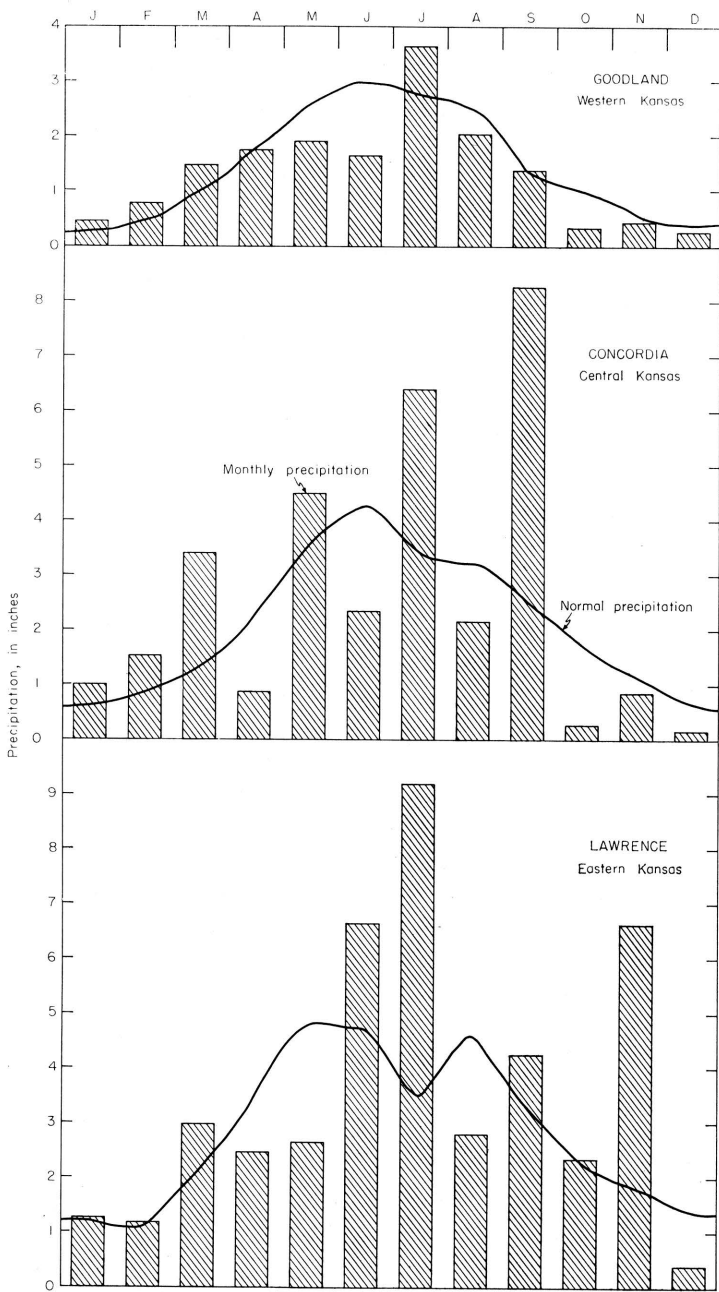


FIG. 10.—Monthly precipitation during 1958 and normal monthly precipitation at Goodland, Concordia, and Lawrence. Data from reports of U.S. Weather Bureau.

does not necessarily follow the nomenclature of the U.S. Geological Survey.

### PRECIPITATION

Information pertaining to precipitation was obtained from the U.S. Weather Bureau annual summary of climatological data for Kansas for 1958. Annual precipitation in the state ranged from 51.90 inches at Atchison in eastern Kansas to 15.99 inches at Goodland 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.

The precipitation in Kansas for 1958 is summarized in Figures 10, 11, and 12. Figure 10 shows the monthly precipitation and normal precipitation at Goodland in western Kansas, at Concordia in central Kansas, and at Lawrence in eastern Kansas. The precipitation in 1958 deviated considerably from the normal distribution and there was little uniformity in the state distribution. The precipitation at Lawrence during November was 6.62 inches, the high for the state. At Goodland and Concordia the precipitation was below normal during November. Precipitation during July was generally high for most of the state. The highest recorded precipitation for one month was 17.83 inches in July at Osawatomie in east-central Kansas. Each of 79 stations reported more than 10 inches of precipitation during July.

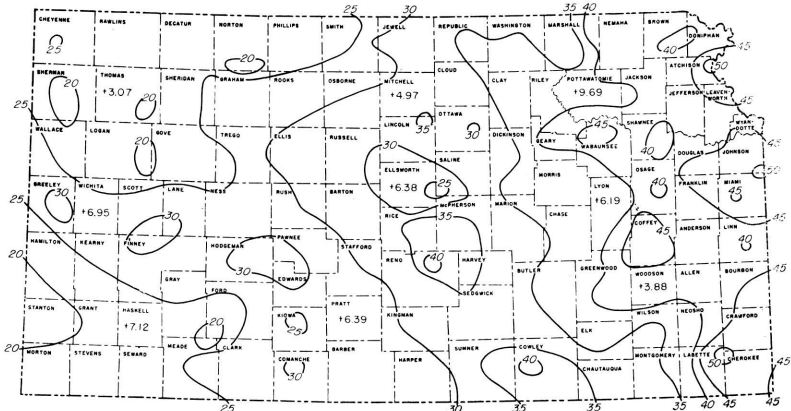


FIG. 11.—Map of Kansas showing 1958 precipitation by means of contours and the departure from normal precipitation in nine areas, each of which represents approximately a ninth of the state. Data from reports of U.S. Weather Bureau.

Figure 11 shows by means of contours the 1958 precipitation and the departure from normal in each of nine approximately equal divisions of the state. The departure from normal for each division is shown at approximately the central part of that division. The departure from normal in the nine divisions ranged from

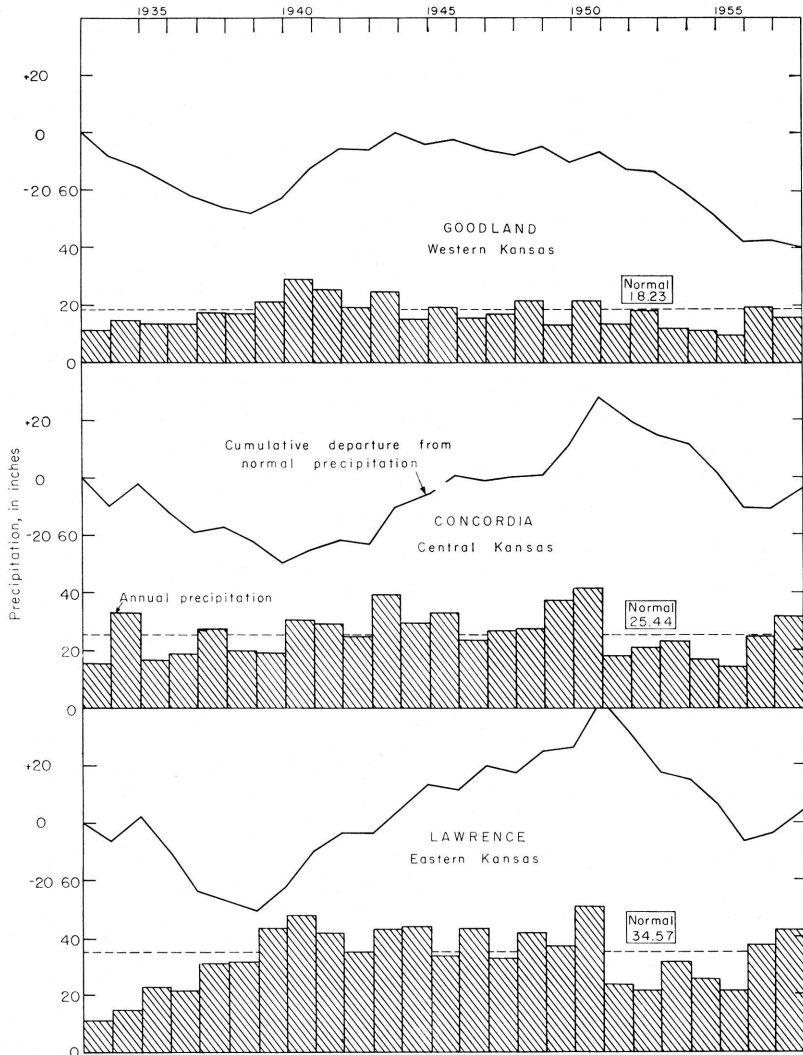


FIG. 12.—Annual precipitation and cumulative departure from normal precipitation for 25-year period 1934 through 1958 at Goodland, Concordia, and Lawrence. Data from reports of U.S. Weather Bureau.

3.07 inches above normal in the northwest division to 9.69 inches above normal in the northeast division and averaged 6.07 inches above normal for the state. The precipitation at Goodland was 2.22 inches below normal. The highest departure above normal for the year was 17.50 inches at Atchison; the greatest departure below normal was -5.07 inches at Sedan.

Figure 12 shows the annual precipitation and the cumulative departure from normal precipitation at Goodland, Concordia, and Lawrence for the 25-year period 1934 to 1958. Since 1934 the precipitation at Concordia and Lawrence has averaged approximately the normal amounts, which are 25.44 inches at Concordia and 34.57 inches at Lawrence. At Goodland, where the normal precipitation is 18.23 inches, there has been a deficiency of about 40 inches since 1934.

### 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, 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 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 the streams.

Artesian wells are influenced over large areas by changes in the rate of pumping from other wells, changes in atmospheric pressure, earthquakes, earth tides, and recharge from precipitation, although the effect of recharge may not be noticeable immediately.

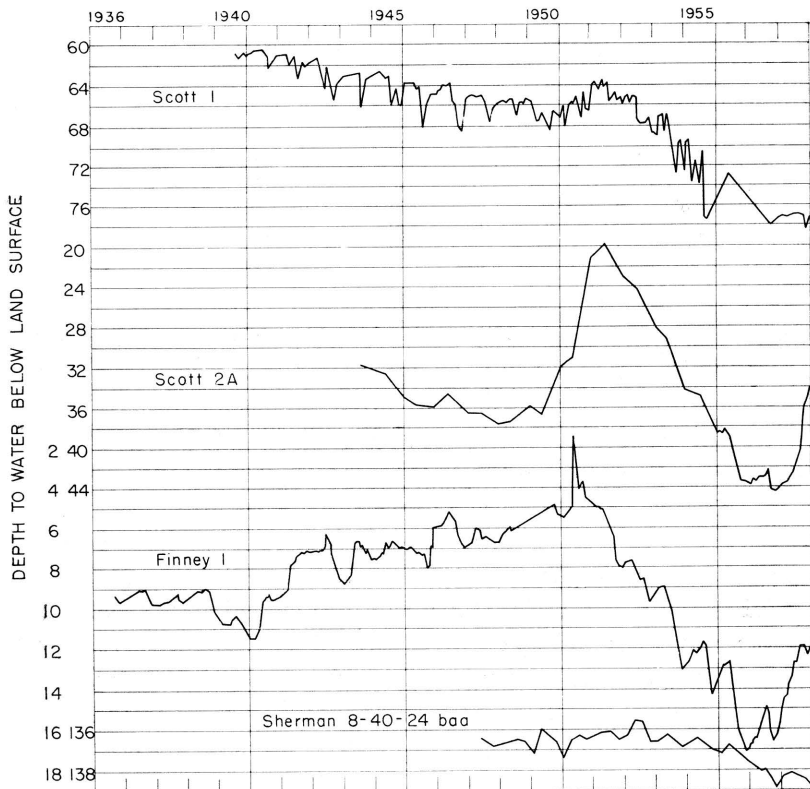


FIG. 13.—Hydrographs of four wells in Finney, Scott, and Sherman Counties. Depth to water is measured in feet.

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

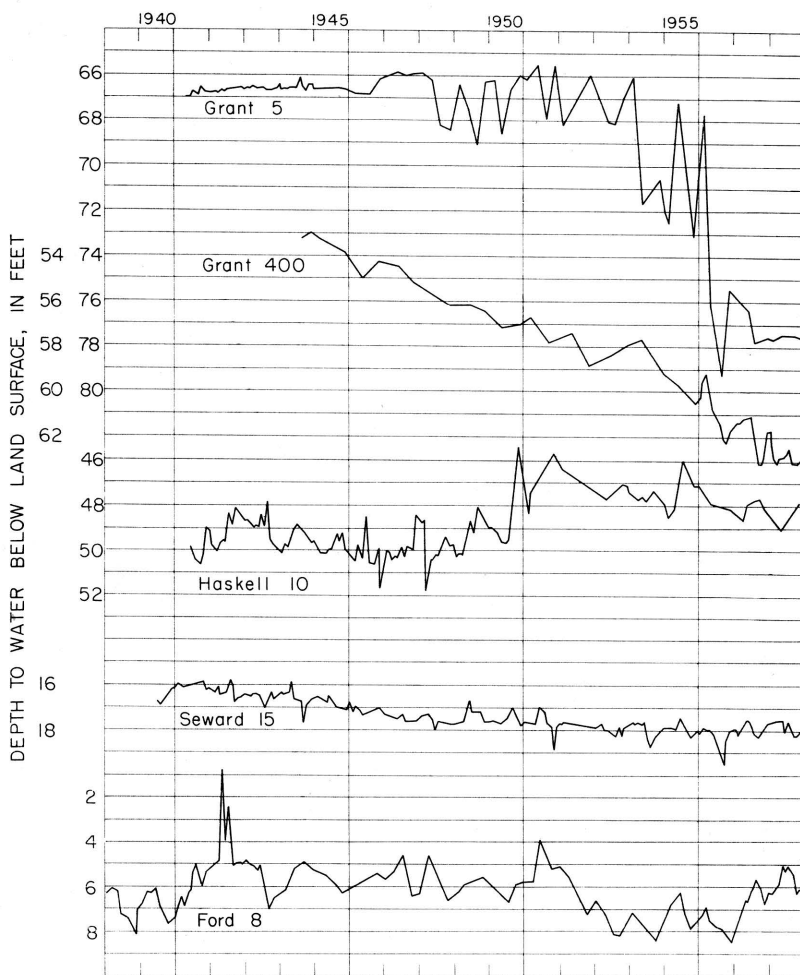


FIG. 14.—Hydrographs of five wells in Ford, Grant, Haskell, and Seward Counties.



hydrographs of 13 wells in Figures 13, 14, and 15. The changes in water levels in selected observation wells at approximately 5-year intervals are shown for 10 counties in southwestern Kansas in Figures 16 to 20, inclusive.

The water table rose during 1958 in the areas of shallow water level, owing to the above-normal precipitation in 1957 and 1958. Also in some of the areas where many wells were pumped for irrigation during the drought years 1952 through 1956, the water levels rose during 1958 owing to an increase in precipitation and a resultant reduction in pumping. In Figures 13, 14, and 15 the hydrographs show a net rise of the water levels in 7 of the 13 wells

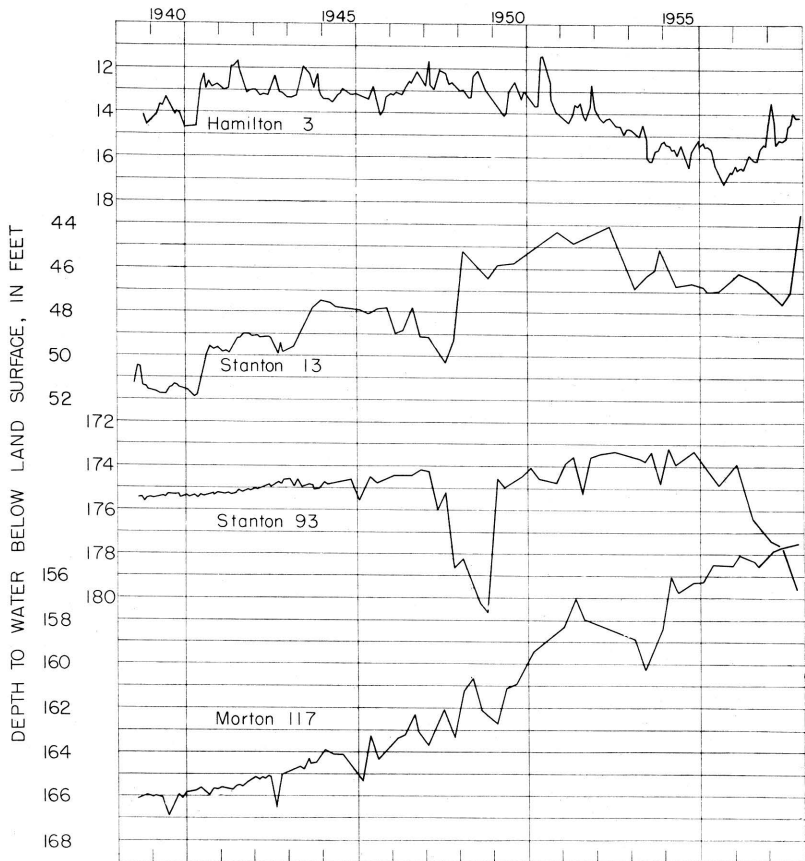


FIG. 15.—Hydrographs of four wells in Hamilton, Morton, and Stanton Counties.

during 1958, a net decline in 4 wells, and no appreciable net change in two wells. The largest net rises in water level were 5.0 feet in

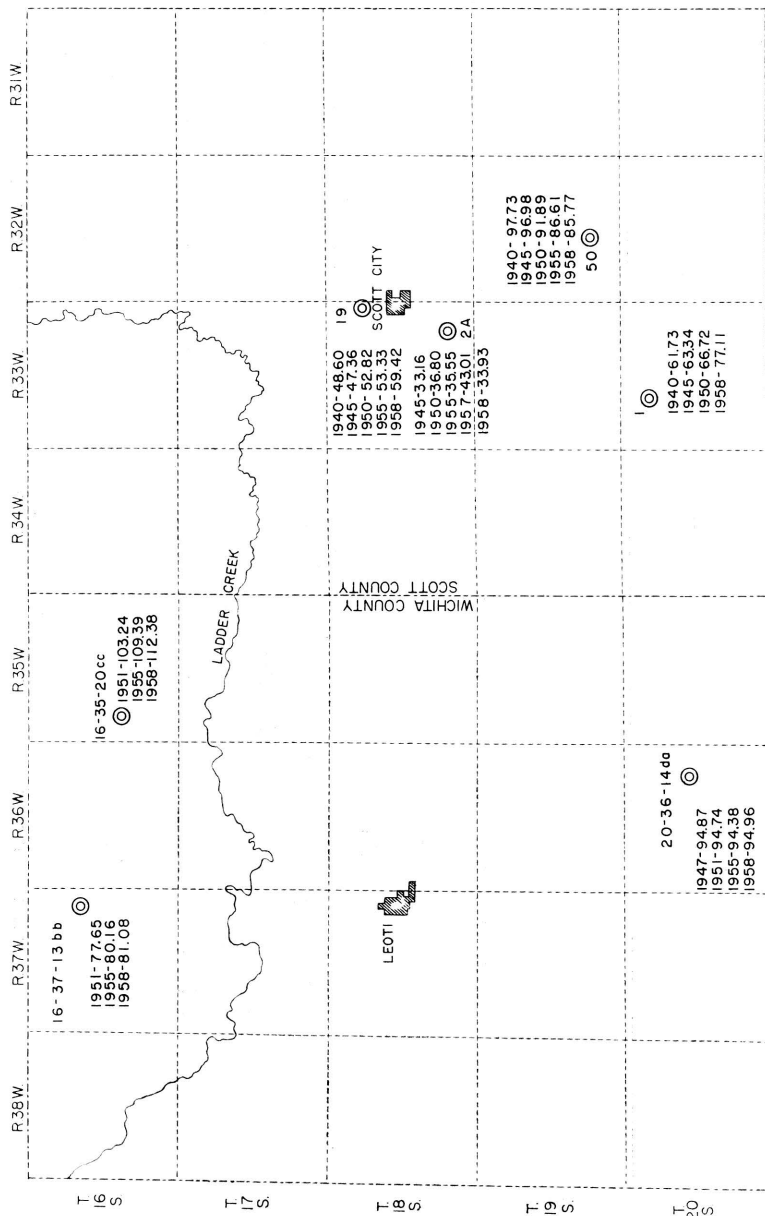


FIG. 16.—Depth to water in selected observation wells in Scott and Wichita Counties.

well 2A in Scott County, 3.5 feet in well 13 in Stanton County, and 3.0 feet in well 1 in Finney County. The maximum decline in water

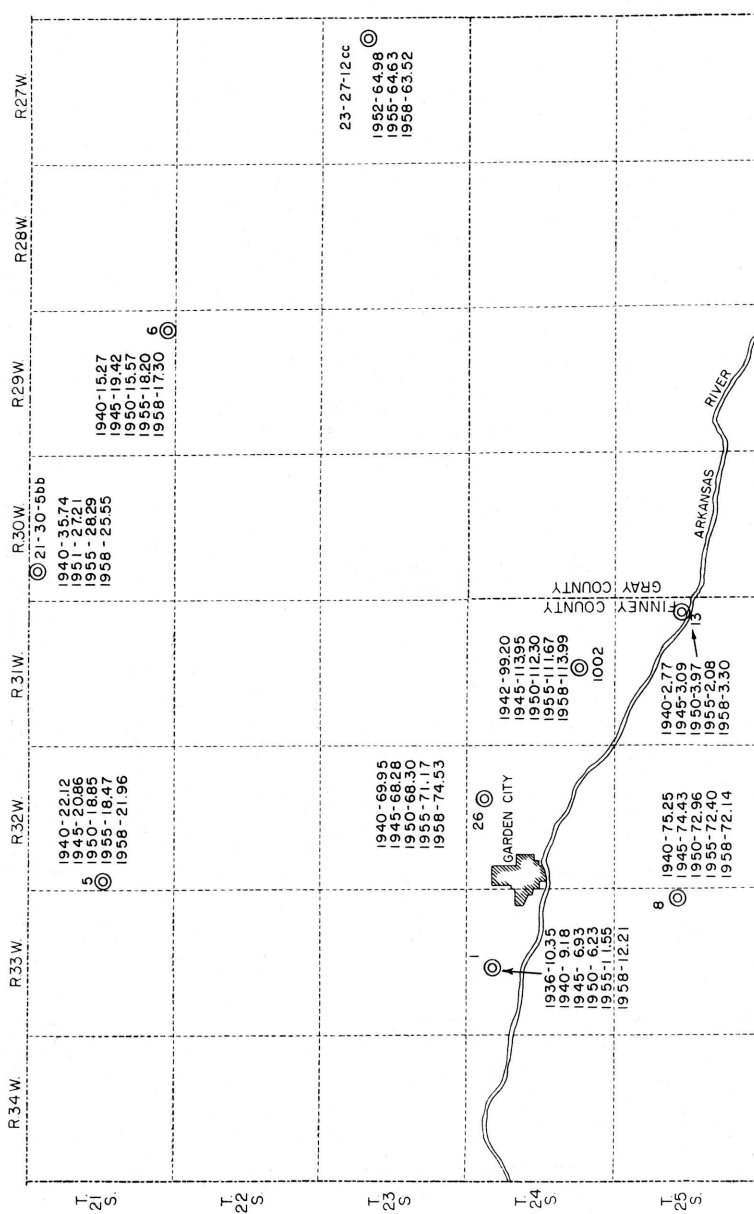


FIG. 17.—Depth to water in selected observation wells in Finney and Gray Counties.

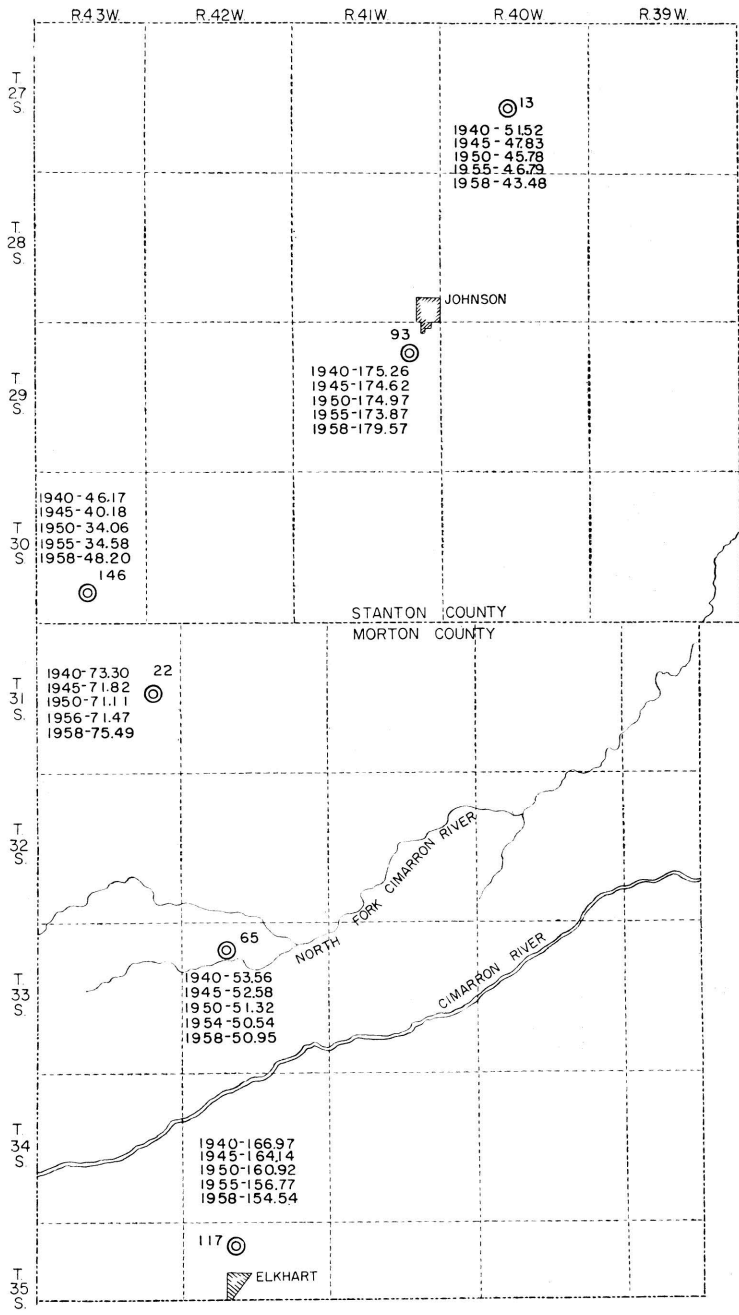


FIG. 18.—Depth to water in selected observation wells in Morton and Stanton Counties.

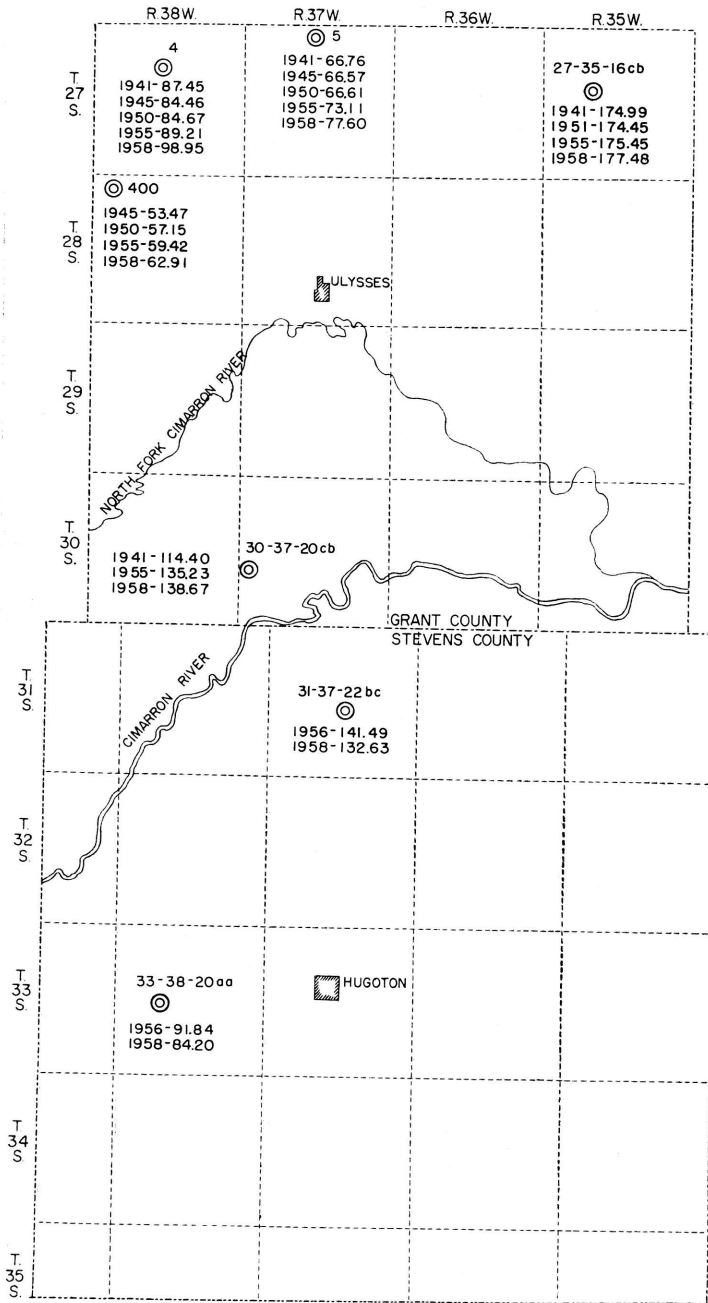


FIG. 19.—Depth to water in selected observation wells in Grant and Stevens Counties.

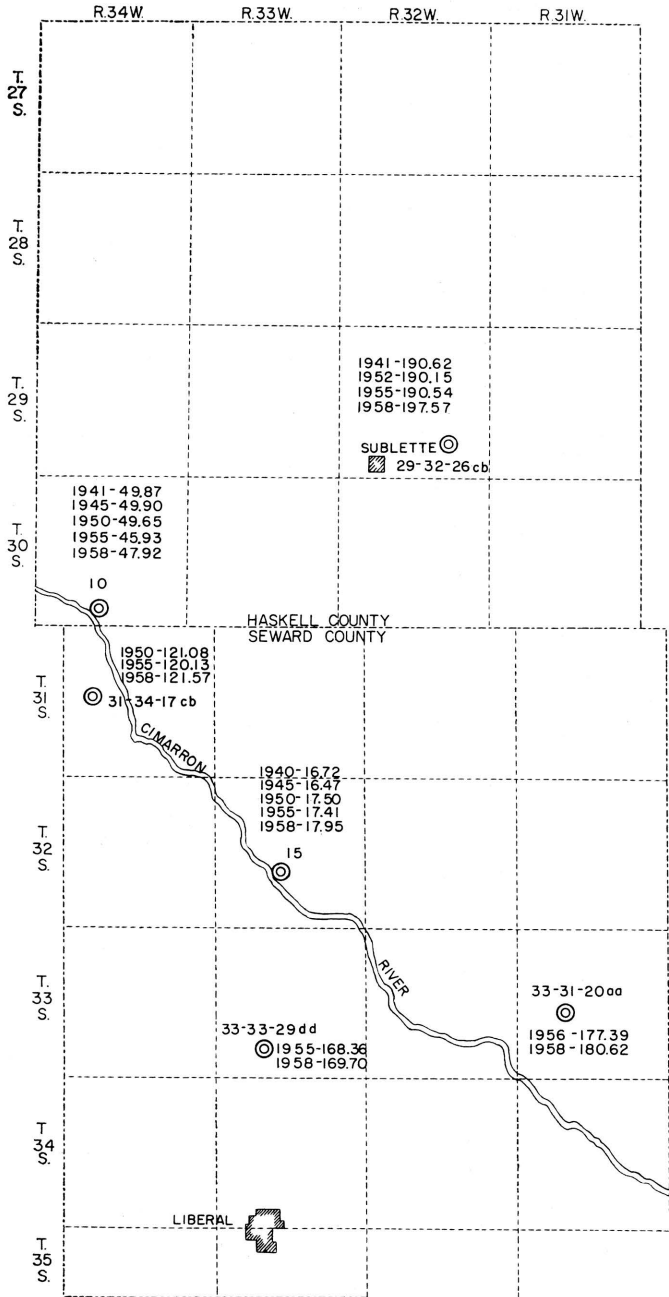


FIG. 20.—Depth to water in selected observation wells in Haskell and Seward Counties.

level was 2.5 feet in well 93 in Stanton County. The water levels in well 1 in Scott County and well 5 in Grant County had almost no net change during the year.

### CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figure 21 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 upward during 1958. The water levels in the four wells for which hydrographs are shown in Figure 21 rose an average of about 1.9 feet net. The

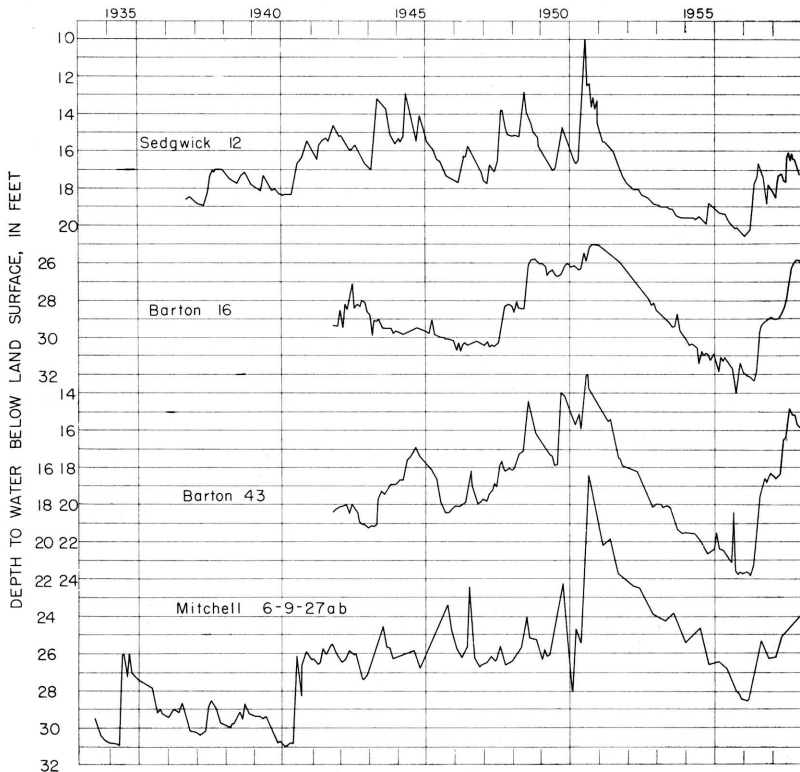


FIG. 21.—Hydrographs of four wells in Barton, Mitchell, and Sedgwick Counties.

water level in well 6-9-27ab in Mitchell County had a net rise of about 2.2 feet during 1958 and at the end of 1958 was about 5.0 feet higher than when measurements started in 1934. The water level in well 12 in Sedgwick County had a net rise of about 1.0 foot during 1958 and at the end of 1958 it was about 1.2 feet 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, 1957, is shown in Figure 22. The total area affected by the municipal pumping at the end of 1958 was about 70 square miles. The water level declined more than 10 feet in an area of 34 square miles, more than 20 feet in an area of 6 square miles, and more than 28

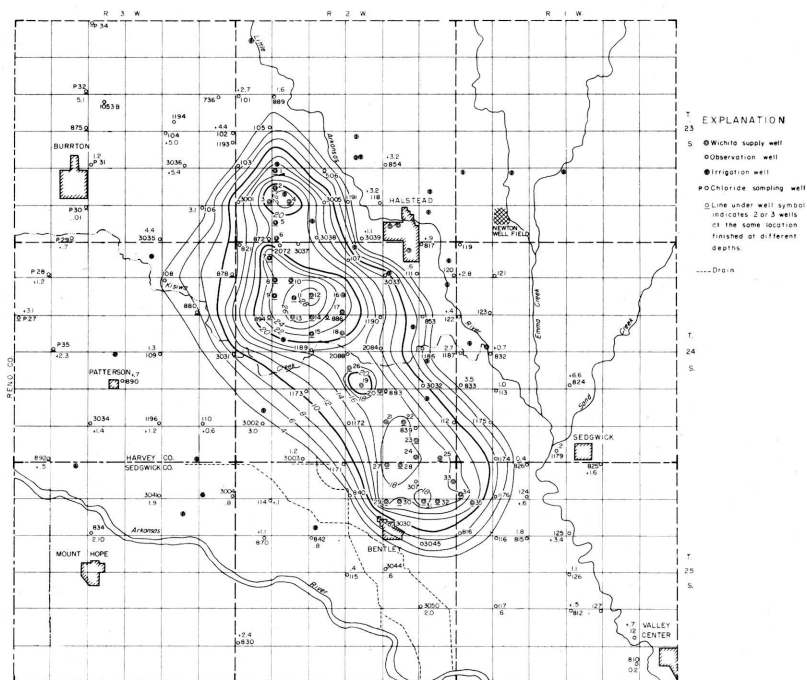


FIG. 22.—Map of Wichita well field in Equus-beds area showing lines of equal change in water level from August 30, 1940, to December 31, 1958.



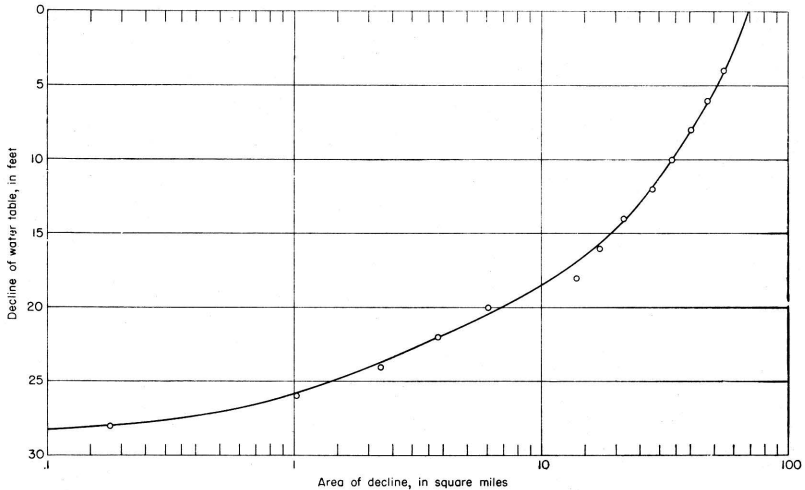


FIG. 23.—Area of decline of water table in Wichita well-field area from September 1940 to December 31, 1958.

feet in an area of about 0.2 square mile. The maximum decline was about 29 feet. The areal decline of the water table from 1940 through 1958 is shown graphically in Figure 23.

#### 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 24 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. By the end of 1958 the water level in well 11-15-16c had recovered to a level that was slightly higher than at the end of 1950. The water level in this well had a net rise of about 2.9 feet during 1958 and about 6.5 feet since the spring of 1957.

#### RECORDS OF WATER LEVELS

Measurements of depth to water in observation wells are given in Table 4 with reference to land-surface datum (lsd), a precise

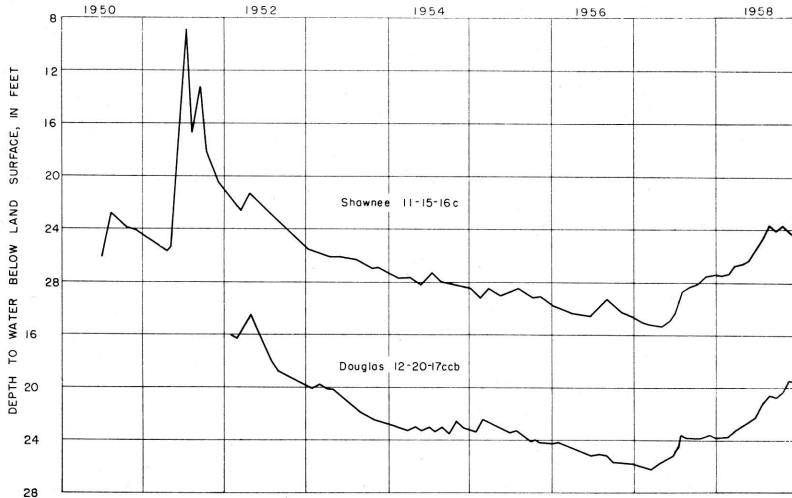


FIG. 24.—Hydrographs of two wells in Douglas and Shawnee Counties.

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 14 (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 1958); measurements during 1958 (Aug. 7, 8.46).

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 1958.

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 1958.

## 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: 1940-58. Mar. 24, 74.08; Apr. 24, 74.19; July 23, 73.95; Oct. 22, 74.28.

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: 1940-58. Apr. 24, 15.61; July 23, 15.53; Oct. 22, 15.97.

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: 1940-58. Mar. 24, 19.87; Apr. 24, 20.14; July 23, 16.98; Oct. 22, 19.55.

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, 0.60 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: 1940-58. Mar. 24, 16.30; Apr. 24, 15.34; July 23, 13.95; Oct. 22, 16.08.

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: 1940-58. Apr. 24, 1.70; July 23, 2.06; Oct. 22, 2.60.

10. (C) G. H. Davis. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 11, T. 35 S., R. 15 W. Drilled unused

\* (MB) following a well number indicates that the records for these wells for the years prior to 1956 are given in mimeographed Missouri Basin reports; (C) indicates that the records have been published in the annual series of U.S. Geol. Survey Water-Supply Papers; (MB C) indicates that the records have been included in both reports.

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: 1940-58. Mar. 24, 106.15; Apr. 24, 106.18; July 23, 106.10; Oct. 22, 106.20.

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: 1942-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	4.49	Apr. 23	3.04	July 22	2.35	Oct. 20	3.20
Feb. 5	4.62	May 20	2.70	Aug. 20	0.73	Nov. 20	3.89
Mar. 17	4.23	June 18	2.98	Sept. 18	2.52	Dec. 22	4.49

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: 1942-58.

Jan. 14	29.00	Apr. 23	28.78	July 22	27.21	Oct. 20	25.85
Feb. 5	29.02	May 20	28.45	Aug. 20	26.38	Nov. 20	25.87
Mar. 17	29.00	June 18	27.94	Sept. 18	26.03	Dec. 22	26.05

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: 1942-58.

Jan. 14	18.60	Apr. 23	17.84	July 22	15.77	Oct. 20	15.23
Feb. 5	18.69	May 20	16.60	Aug. 20	14.96	Nov. 20	15.72
Mar. 17	18.50	June 18	16.46	Sept. 18	15.25	Dec. 22	15.93

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: 1944-58.

Jan. 14	32.73	May 20	33.24	Aug. 20	31.79	Nov. 20	32.16
Feb. 6	33.49	June 18	33.08	Sept. 18	32.94	Dec. 22	32.24
Apr. 23	33.20	July 22	32.65	Oct. 20	31.96		

103. (C) F. Konareck. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 33, T. 17 S., R. 12 W. Drilled unused water-table well in alluvium, diameter 5 inches, depth 25 feet. Measur-

ing 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: 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	3.66	May 20	3.01	Aug. 20	0.52	Nov. 20	3.35
Feb. 5	3.61	June 18	4.23	Sept. 18	1.28	Dec. 22	3.32
Apr. 23	1.70	July 22	0.43	Oct. 20	3.54		

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: 1944-58.

Jan. 14	98.36	May 20	97.88	Aug. 20	97.31	Nov. 20	98.14
Feb. 5	99.23	June 18	97.59	Sept. 18	97.69	Dec. 22	97.20
Apr. 23	97.39	July 22	97.28	Oct. 20	97.36		

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 2x6 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: 1944-58.

Jan. 14	10.53	Apr. 23	6.68	July 22	5.67	Oct. 20	5.28
Feb. 6	10.61	May 20	7.42	Aug. 20	2.71	Nov. 20	6.55
Mar. 18	10.32	June 18	8.58	Sept. 18	3.92	Dec. 22	7.13

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: 1944-58.

Jan. 14	13.27	Apr. 23	9.86	July 22	8.69	Oct. 20	11.20
Feb. 6	13.40	May 20	10.54	Aug. 20	10.16	Nov. 20	11.74
Mar. 18	13.18	June 18	11.52	Sept. 18	11.26	Dec. 22	11.78

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: 1944-58.

Jan. 14	13.28	May 20	10.70	Aug. 20	8.54	Nov. 20	9.84
Feb. 6	13.27	June 18	10.96	Sept. 18	9.40	Dec. 22	10.09
Apr. 22	10.58	July 22	9.91	Oct. 20	9.27		

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 1958.

CHASE COUNTY

18-9-29cc. (C) Peak & Hatcher Co. Drilled domestic well in Bader Limestone and Easy 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: 1947-58. Aug. 7, 18.56.

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: 1948-58. Aug. 7, 8.46.

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: 1947-58. Aug. 7, 21.34.

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: 1947-58. Aug. 7, 10.59.

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: 1947-58. Aug. 7, 8.51.

20-8-16aa. (C) Gerald Brough. Drilled domestic well in Cottonwood 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. Aug. 7, 4.85.

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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	14.95	Apr. 1	12.25	July 1	7.95	Oct. 1	11.58
Feb. 3	13.95	May 1	9.74	Aug. 1	8.56	Nov. 3	12.08
Mar. 3	13.55	June 2	7.85	Sept. 2	9.98	Dec. 2	13.45

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.

Jan. 7	15.00	Apr. 1	13.19	July 1	11.32	Oct. 1	11.26
Feb. 3	15.20	May 1	11.88	Aug. 1	9.87	Nov. 3	11.85
Mar. 3	14.10	June 2	12.28	Sept. 2	9.36	Dec. 2	12.28

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.

Jan. 7	211.40	Apr. 1	211.50	July 1	211.10	Oct. 1	211.67
Feb. 3	211.35	May 1	211.39	Aug. 1	211.40	Nov. 3	211.28
Mar. 3	211.25	June 2	211.00	Sept. 2	211.51	Dec. 2	211.40

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.

Jan. 7	199.75	Apr. 1	199.25	July 1	199.55	Oct. 1	199.65
Feb. 3	199.45	May 1	199.85	Aug. 1	199.85	Nov. 3	199.81
Mar. 3	199.55	June 2	199.75	Sept. 2	200.25	Dec. 2	199.71

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.

Jan. 7	381.75	Apr. 1	382.45	July 1	381.35	Oct. 1	382.88
Feb. 3	383.85	May 1	380.85	Aug. 1	384.02	Nov. 3	380.98
Mar. 3	382.55	June 2	382.15	Sept. 2	383.11	Dec. 2	382.88

#### CHEYENNE COUNTY

1-38-2cd. (MB C) 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: 1948-58. Feb. 4, 22.97; May 26, 22.39; Nov. 24, 22.75.

1-38-8ddb. (MB C) 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 14.91 below lsd, Sept. 2, 1953. Records available: 1946-58. Feb. 4, 12.19; May 26, 11.33; Nov. 24, 12.52.

2-39-10bba. (MB C) 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. Records available: 1947-54, 1956-58. Feb. 4, 28.12; May 26, 28.36; Aug. 12, 27.40.

2-39-17baa. (MB C) Myrtle E. Armstrong. Dug stock well in alluvium, diameter 24 inches, depth 15 feet. Measuring point, top of board platform, 0.50 foot above lsd. Highest water level 9.98 below lsd, May 6, 1952; lowest 14.47 below lsd, Sept. 2, 1953. Records available: 1946-47, 1949-50, 1952-57. Measurement discontinued.

2-39-19ccc. (MB C) 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 17.48 below lsd, Sept. 2, 1953. Records available: 1948-50, 1952-58. May 26, 15.58; Aug. 12, 16.07.

2-39-27bbb. (MB C) 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: 1946-58. Feb. 4, 18.47; May 26, 17.97; Aug. 12, 17.10; Nov. 24, 17.42.

3-40-9baa. (MB C) 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: 1946-58. Feb. 4, 20.57; May 26, 20.46; Aug. 12, 20.66; Nov. 24, 20.65.

3-40-22aba. (MB C) 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: 1946-58. Feb. 4, 16.07; May 26, 13.14; Aug. 12, 12.93; Nov. 24, 13.30.

3-40-28cbb. (MB C) 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: 1946-58. Feb. 4, 10.16; May 26, 9.56; Aug. 12, 10.01; Nov. 24, 9.46.

3-40-33dda. (MB C) H. L. Harkins. Drilled unused water-table well in Ogallala Formation and colluvium, diameter 6 inches, depth 27 feet. Measuring point, top of cement slab, at land surface. Highest water level 4.97 below lsd, May 8, 1957; lowest dry, Feb. 5, 1957. Records available: 1946-57. Measurement discontinued.



3-41-13ccd. (MB C) F. Walz. Bored unused water-table well in alluvium and Ogallala Formation, diameter 5 inches, depth 16 feet. Measuring point, top of casing, at land surface. Highest water level 7.83 below lsd, Mar. 16, 1949; lowest dry, Feb. 5, Nov. 13, 1957. Records available: 1946-50, 1952-58. May 26, 11.50. Measurement discontinued.

3-42-21bcc. (MB C) 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 202.90 below lsd, Aug. 21, 1956. Records available: 1953-58. Feb. 4, 202.38; Aug. 12, 202.38; Nov. 24, 202.38.

3-42-22dad. (MB C) 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: 1953-58. Feb. 4, 138.48; May 26, 138.44; Aug. 12, 138.46; Nov. 24, 138.46.

3-42-26cad. (MB C) 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: 1953-58. Aug. 12, 176.30.

3-42-28dda. (MB C) 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 152.06 below lsd, Nov. 24, 1958. Records available: 1953-58. Feb. 4, 151.94; Aug. 12, 151.94; Nov. 24, 152.06.

4-41-32ddb. (MB C) 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, 1949-58. Feb. 4, 108.40; May 26, 103.90; Aug. 12, 102.75; Nov. 24, 102.82.

4-42-2ccc. (MB C) 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: 1953-58. Feb. 4, 177.49; May 26, 177.48; Aug. 12, 177.55; Nov. 24, 177.52.

4-42-5aaa. (MB C) 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: 1953-58. Feb. 4, 191.95; Aug. 12, 192.62; Nov. 24, 192.02.

4-42-26cb. (MB C) Pete O'Brien. Drilled irrigation water-table well in Ogallala Formation, diameter 25 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: 1954-58. Feb. 4, 21.31; May 6, 21.33; Nov. 24, 21.30.

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: 1954-58. Apr. 16, 56.33; July 16, 56.29; Oct. 16, 55.54.

5-42-4aac. (MB C) A. Corder. Bored stock well in Ogallala Formation, diameter 6 inches, depth 37 feet. Measuring point, top of cement slab, 1.00 foot above lsd. Highest water level 21.83 below lsd, Dec. 5, 1947, June 8, 1948; lowest dry, Aug. 13, 1957. Records available: 1946-50, 1952-57. Measurement discontinued.

#### 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, 1950-58. Apr. 23, 26.52; July 23, 28.06; Oct. 21, 27.02.

10. (C) J. F. Folks Estate. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, T. 32 S., R. 23 W. Drilled stock-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 13.97 below lsd, June 13, 1955; lowest 17.63 below lsd, Sept. 27, 1946. Records available: 1940-47, 1954-58. Mar. 24, 15.18; Apr. 23, 15.06; July 23, 14.75; Oct. 21, 15.12.

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, 1953-58. Mar. 24, 141.17; July 23, 141.08.

#### CLOUD COUNTY

5-3-19bb. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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 21.98 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958. Jan. 27, 21.59; Sept. 9, 18.20.

5-3-20aa. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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 16.78 below lsd, Jan. 12, 1956. Records available: 1950-56, 1958. Jan. 27, 16.60.

5-3-20dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  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 11.34 below lsd, Jan. 12, 1956. Records available: 1950-56, 1958. Jan. 27, 11.30; Sept. 9, 7.80.

5-3-23cb. (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, 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. Jan. 27, 7.60.

5-3-24cb. (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, 2.50 feet above lsd. Highest water level 1.40 below lsd, Dec. 4, 1951; lowest 7.29 below lsd, Jan. 12, 1956. Records available: 1950-56, 1958. Jan. 27, 6.98.

5-3-29dd. (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, 1.50 feet above lsd. Highest water level 4.60 below lsd, July 2, 1951; lowest dry, Sept. 22, 1955. Records available: 1950-57. No measurement made in 1958.

5-4-8dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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. No measurement made in 1958.

5-4-11dd. (MB) U.S.G.S. Jetted observation water-table 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 12.10 below lsd, Aug. 1, 1951; lowest 21.60 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958. Jan. 27, 21.60, Sept. 9, 17.30.

5-4-14bc. (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, 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. No measurement made in 1958.

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. No measurement made in 1958.

#### 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 1958.

#### 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 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: 1940-58. Apr. 23, 36.62; July 23, 36.46; Oct. 21, 36.42.

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, 1955-58. July 23, 77.25; Oct. 21, 77.17.

#### 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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	202.00	Apr. 1	200.00	July 1	201.00	Oct. 2	200.00
Feb. 3	202.00	May 1	201.00	Aug. 1	202.00	Nov. 4	201.00
Mar. 3	201.00	June 2	202.00	Sept. 2	202.00	Dec. 3	202.00

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.

Jan. 7	313.25	Apr. 1	312.75	July 1	312.25	Oct. 2	312.83
Feb. 3	312.25	May 1	312.25	Aug. 1	313.12	Nov. 4	312.25
Mar. 3	313.10	June 2	312.30	Sept. 2	312.48	Dec. 3	312.28

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.

Jan. 2	246.35	Apr. 1	246.25	July 1	246.47	Oct. 1	246.39
Feb. 3	245.48	May 1	246.05	Aug. 1	245.86	Nov. 3	246.18
Mar. 3	245.75	June 2	245.85	Sept. 2	246.36	Dec. 2	245.88

#### DECATUR COUNTY

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 98.42 below lsd, Oct. 17, 1958; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-58. Feb. 18, 98.71; Apr. 16, 98.59; July 16, 98.54; Oct. 17, 98.42.

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: 1952-58. Feb. 18, 141.60; Apr. 16, 141.42; July 16, 141.33; Oct. 17, 141.62.

#### DOUGLAS COUNTY

12-20-17ccb. (C) Frank D. Walter. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 50 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: 1952-58.

## Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.68	23.71	23.58	23.12	22.86	.....	.....	.....	.....	.....	.....	.....
10	23.70	23.72	23.51	23.05	22.83	.....	.....	.....	.....	.....	.....	.....
15	23.71	23.74	23.45	22.97	22.81	.....	.....	.....	.....	.....	.....	.....
20	23.69	23.74	23.38	22.92	22.68	.....	.....	.....	.....	.....	.....	.....
25	23.70	23.64	23.34	22.96	22.60	22.27	21.17	.....	20.72	.....	19.33	19.59
30	23.72	.....	23.27	22.90	.....	.....	.....	20.51	.....	20.39	.....	.....

12-20-29bba. (C) V. C. Fishel. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 29 feet. Measuring point, inside edge at top of pipe, 0.60 foot above lsd. Highest water level 15.55 below lsd, Sept. 30, 1958; lowest 20.84 below lsd, May 27, 1957. Records available: 1957-58. May 16, 17.87; June 3, 17.35; Sept. 30, 15.55.

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: 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	36.08	June 23	35.67	Aug. 7	35.87	Sept. 2	41.25
Mar. 14	35.53						

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. No measurement made in 1958.

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  $1\frac{1}{4}$  inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 45.95 below lsd, May 15, 1956; lowest 50.54 below lsd, Jan. 30, 1958. Records available: 1956-58. Jan. 30, 50.54; Mar. 14, 50.18; June 21, 49.67; Aug. 7, 47.58.

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  $5\frac{1}{2}$  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: 1956-58. Jan. 30, 25.27; Mar. 14, 23.11; June 21, 21.70; Aug. 7, 17.65.

## EDWARDS COUNTY

1. (C) M. Shouse. NW $\frac{1}{4}$  SW $\frac{1}{4}$  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 8.50 below lsd, Feb. 18, 1957. Records available: 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 17	6.75	June 18	5.56	Sept. 18	6.19	Nov. 20	6.76
Apr. 22	5.93	July 22	4.68	Oct. 21	6.67	Dec. 22	6.39
May 20	5.19	Aug. 20	5.36				

10. (C) E. F. Lippoldt. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in Dakota Formation, diameter 4 $\frac{1}{2}$  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: 1944-58.

Jan. 14	63.59	Apr. 22	63.05	July 22	62.89	Oct. 21	62.73
Feb. 5	63.29	May 20	62.98	Aug. 20	62.53	Nov. 20	62.82
Mar. 17	63.18	June 18	62.89	Sept. 18	62.65	Dec. 22	62.59

25-16-31da1. (C) E. B. Mayhew. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 31, T. 25 S., R. 16 W. Drilled unused well in Ogallala Formation, diameter 1 $\frac{1}{2}$  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: 1957-58.

Jan. 14	17.48	Apr. 23	17.09	July 22	16.25	Oct. 20	15.76
Feb. 5	17.49	May 21	16.95	Aug. 20	15.50	Nov. 20	15.88
Mar. 17	17.60	June 18	17.00	Sept. 18	15.64	Dec. 22	15.85

ELLIS COUNTY

215. (C) A. H. Romine. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 20 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: 1941-58. Apr. 15, 9.35; July 14, 10.09, Oct. 15, 10.56.

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 member of Carlile Shale, diameter 24 inches, depth 83 feet, cribbed with rock. Measuring point, top north side of hole in 2x8 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: 1941-58.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.97	47.98	48.72	12.90	15.86	13.94	16.06	16.50	.....	17.92	20.01	23.98
10	47.21	48.04	48.87	13.05	15.15	14.30	16.32	16.62	.....	17.89	20.64	24.76
15	47.52	48.14	49.03	13.20	15.39	14.85	16.54	16.75	17.05	18.04	21.29	25.22
20	.....	48.30	49.10	13.65	13.07	15.17	16.56	16.50	17.15	18.32	22.25	25.67
25	47.72	48.42	49.08	14.22	13.19	15.48	16.57	16.50	17.48	18.95	22.85	26.13
30	47.88	.....	22.70	15.58	13.43	15.74	16.40	.....	17.70	19.46	23.60	26.72

14-16-17cb. (MB C) 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: 1946-58. Jan. 7, 18.39; May 6, 17.61; Aug. 6, 17.18.

14-16-36bc. (MB C) 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, 1955-58. May 6, 18.51; Aug. 6, 18.22.

14-18-12bb. (MB C) 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 19.87 below lsd, Aug. 6, 1958; lowest 27.15 below lsd, July 30, 1946. Records available: 1946-58. Jan. 9, 21.22; May 6, 21.40; Aug. 6, 19.87.

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, 1954-58. Jan. 9, 34.52; May 6, 34.26; Aug. 5, 33.90.

14-20-32dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1950-58. Jan. 9, 22.27; May 6, 21.41; Aug. 5, 20.33.

15-16-6dd. (MB C) Ted Thalen. Dug domestic and stock water-table well in alluvium, diameter  $4\frac{1}{2}$  feet, depth 30 feet, cribbed with stone. Measuring point, top north side of 2x4 at manhole, 0.40 foot above lsd. Highest water level 18.12 below lsd, Aug. 27, 1951; lowest 24.33 below lsd, Aug. 9, 1946. Records available: 1946-58. Jan. 9, 19.85; May 7, 19.44. Measurement discontinued.

15-18-1bb. (MB C) 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: 1946-58. Jan. 9, 17.72; May 6, 15.65; Aug. 6, 13.98.

15-18-16bb. (MB C) 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: 1946-58. Jan. 9, 6.15; May 6, 2.07; Aug. 6, 2.78.

15-18-27cb. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits 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 6.44 below lsd, July 11, 1957; lowest 12.90 below lsd, Oct. 15, 1956. Records available: 1949-58. Jan. 9, 10.80; May 6, 8.32; Aug. 6, 7.34.

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, 1954-58. Jan. 9, 55.94; May 6, 56.03; Aug. 6, 57.26.

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: 1949-58. Jan. 9, 35.56; May 6, 35.44; Aug. 6, 35.23.

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 23.87 below lsd, Oct. 26, 1951; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-58. Jan. 9, 25.20; May 6, 24.86; Aug. 6, 24.42.

15-20-1bb. (MB) U.S.G.S. Jetted observation water-table well 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, 1955-58. Jan. 9, 23.20; May 6, 23.30; Aug. 6, 22.25.

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: 1949-58. Jan. 9, 39.04; May 6, 38.94; Aug. 6, 38.81.

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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	20.92	May 6	20.36	Aug. 14	19.94	Oct. 16	20.42
Feb. 13	21.35	June 12	22.10	Sept. 19	20.16	Nov. 19	20.67
Apr. 1	21.12	July 13	20.20				

FINNEY COUNTY

1. (C) Mrs. A. M. Reid. NE¼ NE¼ 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: 1936-58.



## Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.20	.....	14.42	14.07	13.62	13.05	13.66	11.69	12.21	11.91	12.41	12.38
10	15.14	.....	14.45	14.02	13.51	13.96	12.22	11.65	12.37	11.34	12.03	12.35
15	15.09	.....	14.33	13.92	13.45	13.86	12.05	11.68	12.48	11.11	12.02	12.30
20	15.04	15.08	14.29	14.84	13.34	13.74	11.97	11.91	11.93	11.62	12.35	12.25
25	.....	14.44	14.25	14.77	13.25	12.65	11.97	11.38	12.05	11.96	12.43	12.22
30	.....	.....	14.11	14.70	13.15	12.53	11.86	12.04	12.33	12.19	12.41	12.21

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	24.31	May 22	23.61	Sept. 19	22.39	Nov. 14	21.93
Feb. 4	23.69	June 10	23.19	Oct. 24	21.68	Dec. 19	21.96
Apr. 2	23.72	Aug. 19	22.33				

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: 1939-58.

Jan. 20	19.16	Apr. 3	18.78	Sept. 19	17.14	Nov. 14	17.28
Feb. 11	19.24	May 15	18.40	Oct. 24	17.32	Dec. 15	17.30
Mar. 20	19.24						

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: 1939-58. Feb. 11, 71.51; Aug. 15, 71.38; Nov. 14, 72.14.

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: 1939-58.

Feb. 5	3.33	May 19	2.87	Aug. 15	2.81	Nov. 14	3.77
Mar. 17	3.02	June 12	2.60	Sept. 15	2.97	Dec. 19	3.30
Apr. 29	2.99	July 15	2.14	Oct. 17	3.62		

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 3x3-inch wood clamp, 0.90 foot above lsd. Highest water level 52.38 below lsd, June 18, 1958; lowest 64.85 below lsd Sept. 5, 1957. Records available: 1957-58. 1957: Sept. 5, 64.85; Dec. 23, 57.49; 1958: June 18, 52.38; Sept. 22, 55.20; Dec. 15, 52.89.

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 77.12 below lsd, Jan. 16, 1957. Records available: 1934, 1939-58. Jan. 20, 76.36; Apr. 3, 74.00; July 15, 73.29; Oct. 24, 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: 1942-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	114.17	Apr. 29	114.14	July 15	113.45	Nov. 14	122.23
Feb. 5	113.99	May 19	113.93	Sept. 15	123.44	Dec. 19	113.99
Mar. 17	113.83	June 12	115.23	Oct. 17	119.18		

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: 1951-58. Jan. 20, 27.92; Oct. 24, 25.55.

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 63.52 below lsd, Nov. 14, 1958; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-58. Feb. 6, 66.06; May 15, 65.61; Aug. 15, 63.73; Nov. 14, 63.52.

23-33-28aa. (C) Owner unknown. Drilled domestic water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 91 feet. Measuring point, top west side of casing, at land surface. Highest water level 29.82 below lsd, Aug. 31, 1954; lowest 40.50 below lsd, Mar. 18, 1957. Records available: 1954-58. June 18, 36.93; Sept. 22, 34.07. Measurement discontinued.

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: 1938-58.

Feb. 5	6.60	May 20	5.12	Aug. 20	5.48	Nov. 20	6.20
Mar. 17	6.18	June 19	5.63	Sept. 18	5.83	Dec. 22	6.19
Apr. 22	5.73	July 23	5.22	Oct. 21	6.49		

25-22-20aa. (C) Mary Arends. Drilled cemetery well in Ogallala Formation, diameter 5½ inches, depth 86 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 64.78 below lsd, Apr. 14, 1953; lowest 67.75 below lsd, Oct. 18, 1951. Records available: 1939, 1951-58. Jan. 14, 65.20; Apr. 22, 65.11; July 22, 65.20; Oct. 21, 64.97.

96a. (C) Henry Hattrup. SE¼ NE¼ sec. 23, T. 26 S., R. 21 W. Driven unused well in alluvium, diameter 1¼ inches, depth 13 feet. Measuring point, 0.60 foot above lsd. Highest water level 7.64 below lsd, July 22, 1958; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1956-58. Jan. 14, 8.26; Apr. 22, 7.87; July 22, 7.64; Oct. 21, 8.12.

1002. (C) U.S. Army. Cen. SE¼ 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: 1942-49, 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	104.77	Apr. 22	104.12	July 23	104.50	Oct. 20	104.95
Feb. 5	103.98	May 20	105.41	Aug. 20	104.54	Nov. 20	104.60
Mar. 17	104.13	June 19	104.54	Sept. 18	104.57	Dec. 22	104.34

#### 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: 1952-58. Feb. 18, 94.45; Apr. 15, 94.58; July 15, 94.48; Oct. 15, 94.38.

11-29-8dd. (C) A. W. Hoover. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 112 feet. Measuring point, top of cement platform, 0.30 foot above lsd. Highest water level 99.51 below lsd, July 15, 1958; lowest 101.12 below lsd, Feb. 21, 1955. Records available: 1952-58. Feb. 18, 99.55; Apr. 15, 99.55; July 15, 99.51. Measurement discontinued.

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: 1952-58. Feb. 18, 90.90; Apr. 15, 90.90; July 15, 90.86; Oct. 16, 90.81.

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: 1956-58. Feb. 18, 31.83; Apr. 15, 31.31; July 15, 30.10; Oct. 15, 29.62. Measurement discontinued.

14-30-5aab. (C) School well. Drilled domestic well in deposits of Pleistocene age and Niobrara Formation, diameter 5 inches, depth 48 feet. Measuring point, top north side of casing, 1.20 feet above lsd. Highest water level 33.67 below lsd, July 15, 1958; lowest 35.12 below lsd, May 13, 1957. Records

available: 1956-58. Feb. 18, 34.09; Apr. 16, 34.04; July 15, 33.67. Measurement discontinued.

15-29-30cb. (C) Henry York. Drilled domestic well in deposits of Pleistocene age and Niobrara Formation, 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: 1956-58. Feb. 18, 20.71; Apr. 15, 19.90.

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: 1952-58. Feb. 18, 62.74; Apr. 16, 62.79; July 15, 62.98; Oct. 17, 62.56.

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: 1952-58. Feb. 18, 39.83; Apr. 16, 37.44; July 15, 37.74; Oct. 17, 35.18.

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: 1952-58. Feb. 18, 32.15; Apr. 16, 31.60; July 15, 31.63; Oct. 17, 30.41.

8-22-3dcd. (C) F. O. Dunwody. 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: 1952-58. Feb. 18, 16.94; Apr. 16, 16.87; July 15, 15.96; Oct. 17, 15.07.

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; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-58. Feb. 18, 30.52; Apr. 16, 29.26; July 15, 29.18; Oct. 17, 28.45.

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 99 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. Records available: 1941-54, 1956-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	96.93	Apr. 1	96.94	July 14	97.55	Oct. 10	(b)
Feb. 12	96.10	May 13	98.33	Aug. 13	98.95	Nov. 6	(b)
Mar. 10	96.51	June 11	98.88	Sept. 16	(b)	Dec. 5	(b)

(b) 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. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 79.44 below lsd, Aug. 21, 1956. Records available: 1941-58. Feb. 12, 77.67; May 13, 77.51; Aug. 13, 77.58; Nov. 6, 77.60.

27-35-16cb. (C) Craig Howard. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 182 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 145.00 below lsd, Oct. 9, 1951; lowest 178.10 below lsd, Aug. 13, 1958. Records available: 1941-42, 1951-58. Feb. 12, 176.04; May 13, 177.24; Aug. 13, 178.10; Nov. 6, 177.48.

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 143.09 below lsd, Nov. 13, 1956. Records available: 1941, 1952-58. Feb. 12, 134.68; May 13, 133.96; Nov. 6, 138.67.

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 63.38 below lsd, Oct. 5, 1958. Records available: 1944-58.

#### Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	62.51	62.97	63.01	62.92	62.84	62.75	.....	63.20	63.38	63.18	63.06
10	61.77	62.66	63.04	63.00	62.91	62.82	.....	.....	.....	63.35	.....	63.02
15	61.98	62.80	63.04	62.99	62.91	62.85	62.56	62.89	.....	63.31	.....	62.99
20	62.11	62.85	63.03	62.96	62.90	62.86	62.56	62.99	.....	63.25	.....	62.98
25	62.22	62.94	63.03	62.96	62.89	62.83	.....	63.08	.....	63.22	.....	62.95
30	62.35	.....	63.02	62.93	62.88	62.79	.....	63.14	.....	63.18	.....	62.91

#### GRAY COUNTY

3a. (C) N. A. Mens. 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 158.60 below lsd, July 16, 1958; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-58. Mar. 19, 158.78; July 16, 158.60; Oct. 17, 159.01.

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, 1952-58. Mar. 19, 66.54; July 16, 66.70; Oct. 17, 67.85.

11. (C) J. D. Wetmore. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 29 S., R. 28 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 5 inches, depth 61 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest

water level 47.87 below lsd, Dec. 28, 1955; lowest 59.75 below lsd, June 18, 1957. Records available: 1939-57. Well was destroyed.

25-27-36bb. (C) E. W. Bennett. Drilled unused domestic well in Ogallala Formation, diameter 5 inches, depth 121 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 106.80 below lsd, Sept. 30, 1954; lowest 108.80 below lsd, Sept. 14, 1955. Records available: 1940, 1954-56. Measurement discontinued.

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, 1953-58. Mar. 19, 80.35; July 16, 80.92; Oct. 17, 80.95.

29-28-13ccc. (C) Owner unknown. Drilled unused stock well in Ogallala Formation, diameter 1½ inches, depth 84 feet. Measuring point, bottom of 1½-inch T in pipe, 2.10 feet above lsd. Highest water level 69.55 feet below lsd, May 5; Oct. 17, 1958; lowest 69.71 below lsd, July 16, 1958. Records available: 1958. May 5, 69.55; July 16, 69.71; Oct. 17, 69.55.

GREELEY COUNTY

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 133.02 below lsd, July 20, 1949. Records available: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	132.77	June 5	132.65	Sept. 8	132.64	Dec. 15	132.50
Mar. 12	132.50						

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: 1954-58. Dec. 15, 195.92.

HAMILTON COUNTY

2a. (C) Chester Huser. NE¼ NE¼ 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, 0.80 foot above lsd. Highest water level 11.44 below lsd, June 29, 1951; lowest 15.44 below lsd, Oct. 26, 1956. Records available: 1944-58.

Jan. 17	13.34	May 15	12.85	Aug. 22	13.21	Nov. 14	12.03
Feb. 21	13.24	June 13	12.55	Sept. 19	13.39	Dec. 18	12.27
Apr. 25	13.03	July 23	11.78	Oct. 24	12.15		

3. (C) B. Rees. SW¼ NW¼ 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	14.40	Apr. 25	15.35	July 23	15.09	Oct. 24	13.95
Feb. 21	13.43	May 15	15.17	Aug. 22	14.55	Nov. 14	14.01
Mar. 21	14.38	June 13	15.19	Sept. 19	14.40	Dec. 18	14.10

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: 1939-58.

Jan. 17	53.00	July 23	31.22	Aug. 15	24.61	Sept. 26	24.24
Feb. 21	53.25	25	30.09	22	24.37	Oct. 3	24.19
Mar. 21	53.37	Aug. 1	26.92	29	24.30	24	24.52
Apr. 25	53.25	6	25.19	Sept. 5	21.97	Nov. 14	24.47
May 15	53.40	8	25.06	12	24.23	Dec. 18	25.17
June 13	52.71	12	24.67	19	24.60		

#### 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: 1956-58.

Jan. 5	16.92	Apr. 6	15.38	June 4	15.17	Aug. 3	15.07
Feb. 2	17.11	May 4	15.13	July 6	14.22	17	15.65
Mar. 2	16.92						

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: 1954-58.

Jan. 5	31.87	Apr. 6	30.83	June 1	30.79	Aug. 3	30.62
Feb. 2	31.73	May 4	30.89	July 6	30.45	17	29.44
Mar. 2	31.42						

#### HARVEY COUNTY

101. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  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 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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	32.47	Apr. 2	30.07	July 1	30.93	Oct. 2	28.34
Feb. 4	33.56	May 2	30.41	Aug. 1	27.31	31	28.94
Mar. 5	33.14	June 2	30.50	Sept. 2	29.46	Dec. 1	28.81

102. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 24, 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 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 26.50 below lsd, Dec. 1, 1955; lowest 36.33 below lsd, Aug. 31, 1956. Records available: 1954-58.

Jan. 1	30.63	Apr. 2	29.11	July 1	29.32	Oct. 2	28.28
Feb. 4	32.10	May 2	30.73	Aug. 1	27.60	31	29.23
Mar. 5	32.31	June 2	30.36	Sept. 2	29.27	Dec. 1	28.23

103. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 19, 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 73 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 26.54 below lsd, Nov. 1, 1957; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-58.

Jan. 1	28.76	Apr. 2	28.18	July 1	27.87	Oct. 2	28.00
Feb. 4	30.50	May 2	30.27	Aug. 1	27.55	31	28.95
Mar. 5	31.00	June 2	29.72	Sept. 2	28.83	Dec. 1	27.44

104. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 23, 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 81 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 19.26 below lsd, Aug. 1, 1958; lowest 27.77 below lsd, Nov. 1, 1956. Records available: 1954-58.

Jan. 1	23.95	Apr. 2	22.49	July 1	22.47	Oct. 2	19.38
Feb. 4	24.28	May 2	22.33	Aug. 1	19.26	31	19.78
Mar. 5	24.25	June 2	22.12	Sept. 2	20.44	Dec. 1	20.08

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: 1954-58.

Jan. 1	23.76	Apr. 2	21.25	July 1	21.95	Oct. 2	20.38
Feb. 4	25.38	May 2	23.43	Aug. 1	19.50	31	22.27
Mar. 5	25.46	June 2	22.97	Sept. 2	22.11	Dec. 1	21.63

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



1¼ 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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	26.20	Apr. 2	25.92	July 1	25.59	Oct. 2	23.55
Feb. 4	26.58	May 2	26.00	Aug. 1	24.90	31	23.54
Mar. 5	26.60	June 2	25.87	Sept. 2	25.01	Dec. 1	24.35

107. (C) City of Wichita. NW¼ SW¼ sec. 3, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 37.48 below lsd, Sept. 2, 1954; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	42.75	Apr. 2	41.15	July 1	42.39	Oct. 2	38.91
Feb. 4	43.10	May 2	41.93	Aug. 1	40.57	31	41.57
Mar. 5	43.12	June 2	42.09	Sept. 2	40.65	Dec. 1	41.45

108. (C) City of Wichita. NW¼ NW¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.42	Apr. 2	12.27	July 1	12.01	Oct. 2	11.42
Feb. 4	12.41	May 2	12.17	Aug. 1	11.78	31	11.31
Mar. 5	12.40	June 2	12.07	Sept. 2	11.59	Dec. 1	11.19

109. (C) City of Wichita. NE¼ NE¼ NE¼ sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.18	Apr. 2	10.62	July 1	11.33	Oct. 2	9.76
Feb. 4	12.18	May 2	10.74	Aug. 1	10.08	31	10.25
Mar. 5	12.27	June 2	11.09	Sept. 2	10.50	Dec. 1	10.53

110. (C) City of Wichita. SW¼ SW¼ SW¼ sec. 24, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.12	Apr. 2	5.51	July 1	6.53	Oct. 2	4.86
Feb. 4	7.18	May 2	5.56	Aug. 1	5.18	31	5.34
Mar. 5	7.27	June 2	6.13	Sept. 2	5.95	Dec. 1	5.70

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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.39	Apr. 2	14.48	July 1	16.16	Oct. 2	13.39
Feb. 4	17.32	May 2	14.27	Aug. 1	13.41	31	14.32
Mar. 5	17.22	June 2	15.46	Sept. 2	14.37	Dec. 1	14.67

112. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, 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 20.06 below lsd, June 25, 1954; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	23.96	Apr. 2	23.70	July 1	23.56	Oct. 2	22.15
Feb. 4	23.99	May 2	23.47	Aug. 1	22.79	31	21.91
Mar. 5	24.07	June 2	23.48	Sept. 2	22.53	Dec. 1	21.73

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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	20.59	Apr. 2	17.43	July 1	19.87	Oct. 2	16.45
Feb. 4	20.90	May 2	18.96	Aug. 1	16.15	31	17.77
Mar. 5	21.15	June 2	19.27	Sept. 2	18.17	Dec. 1	18.45

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: 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.35	Apr. 2	11.24	July 1	14.07	Oct. 2	12.01
Feb. 4	15.24	May 2	13.03	Aug. 1	9.00	31	12.99
Mar. 5	15.07	June 2	13.19	Sept. 2	12.85	Dec. 1	13.60

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: 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	34.16	Apr. 2	31.49	July 1	32.62	Oct. 2	30.40
Feb. 4	33.96	May 2	32.25	Aug. 1	28.28	31	33.36
Mar. 5	34.01	June 2	32.12	Sept. 2	29.95	Dec. 1	30.69

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: 1955-58.

Jan. 1	19.80	Apr. 2	16.29	July 1	18.23	Oct. 2	14.64
Feb. 4	19.76	May 2	17.43	Aug. 1	12.36	31	16.00
Mar. 5	19.85	June 2	17.37	Sept. 2	16.38	Dec. 1	16.62

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: 1955-58.

Jan. 1	50.65	Apr. 2	48.76	July 1	49.07	Oct. 2	44.37
Feb. 4	50.54	May 2	48.68	Aug. 1	44.18	31	45.37
Mar. 5	50.83	June 2	48.61	Sept. 2	46.30	Dec. 1	46.32

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: 1955-58.

Jan. 1	20.33	Apr. 2	13.73	July 1	19.97	Oct. 2	17.79
Feb. 4	20.28	May 2	18.40	Aug. 1	8.07	31	19.20
Mar. 5	20.00	June 2	19.00	Sept. 2	19.15	Dec. 1	19.44

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: 1955-58.

Jan. 1	34.03	Apr. 2	30.35	July 1	32.73	Oct. 2	28.28
Feb. 4	34.17	May 2	31.62	Aug. 1	27.20	31	29.90
Mar. 5	34.28	June 2	31.84	Sept. 2	30.77	Dec. 1	30.73

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: 1938-58.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.65	16.98	16.72	12.07	12.24	14.47	13.55	11.00	.....	.....	14.58	15.15
10	16.69	16.93	14.20	12.98	12.11	14.91	10.89	12.19	.....	12.92	15.18	15.01
15	16.72	.....	14.25	13.37	11.94	15.45	12.57	12.92	.....	.....	15.21	.....
20	16.75	16.77	14.25	13.78	13.30	15.41	7.44	13.34	.....	13.79	15.04	15.27
25	16.73	16.87	12.50	14.45	13.74	15.35	9.36	13.93	.....	14.30	15.14	15.19
30	16.82	.....	12.65	14.36	13.97	15.14	8.75	.....	.....	14.30	15.17	15.20

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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.41	Apr. 2	11.77	July 1	13.04	Oct. 2	10.88
Feb. 4	16.24	May 2	14.07	Aug. 1	9.00	31	13.82
Mar. 5	15.81	June 3	13.54	Sept. 3	13.27	Dec. 1	14.57

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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	10.56	Apr. 2	9.05	July 1	7.90	Oct. 2	4.02
Feb. 4	9.74	May 2	8.30	Aug. 1	4.27	31	4.23
Mar. 5	9.80	June 3	8.02	Sept. 3	4.63	Dec. 1	4.92

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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.25	Apr. 2	14.75	June 3	16.24	Aug. 1	12.57
Feb. 4	18.23	May 2	15.91	July 1	18.37	Dec. 1	16.58
Mar. 5	18.06						

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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	29.72	Apr. 2	29.55	July 1	29.38	Oct. 2	28.90
Feb. 4	29.87	May 2	29.43	Aug. 1	29.18	31	28.71
Mar. 5	29.69	June 3	29.44	Sept. 3	29.12	Dec. 1	28.68

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: 1938-58.

Jan. 1	13.10	Apr. 2	10.92	July 1	11.69	Oct. 2	9.77
Feb. 4	13.10	May 2	10.78	Aug. 1	10.24	31	10.34
Mar. 5	13.17	June 3	11.21	Sept. 3	11.24	Dec. 1	10.59

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; 1956-58.

Jan. 1	20.10	Apr. 2	16.77	July 1	19.21	Oct. 2	16.01
Feb. 4	20.13	May 2	18.34	Aug. 1	14.20	31	17.27
Mar. 5	20.47	June 3	18.28	Sept. 3	17.86	Dec. 1	17.92

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 1 $\frac{1}{4}$  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, 1955-58.

Jan. 1	21.00	Apr. 2	16.83	July 1	20.11	Oct. 2	16.96
Feb. 4	21.24	May 2	19.08	Aug. 1	13.49	31	18.33
Mar. 5	21.28	June 2	19.34	Sept. 3	18.84	Dec. 1	18.95

833. (C) T. B. Burrows. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 19, T. 24 S., R. 1 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1938-58.

Jan. 1	22.73	Apr. 2	20.72	July 1	22.09	Oct. 2	19.10
Feb. 4	22.84	May 2	21.29	Aug. 1	19.74	31	19.79
Mar. 5	23.08	June 2	21.65	Sept. 3	20.78	Dec. 1	20.19

839. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	31.45	Apr. 2	30.95	July 1	30.79	Oct. 2	29.82
Feb. 4	31.20	May 2	30.87	Aug. 1	30.46	31	29.44
Mar. 5	31.14	June 3	30.67	Sept. 3	30.07	Dec. 1	29.17

853. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 13, T. 24 S., R. 2 W. Drilled observation water-table well in sand 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 5.82 below lsd, Oct. 2, 1951; lowest 21.86 below lsd, Mar. 1, 1957. Records available: 1938-58.

Jan. 2	19.40	Apr. 2	16.82	July 1	18.67	Sept. 3	17.25
31	19.50	May 2	17.78	Aug. 1	15.97	Oct. 2	15.69
Mar. 5	19.62	June 3	18.27				

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: 1938-58.

Jan. 2	14.88	Apr. 2	14.88	July 1	13.24	Oct. 2	9.79
31	14.89	May 2	12.19	Aug. 1	9.25	31	10.82
Mar. 5	14.72	June 3	12.60	Sept. 3	11.44	Dec. 1	11.61

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 60 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, 1954-58.

Jan. 1	41.05	Apr. 2	40.10	July 1	40.11	Oct. 31	39.32
Feb. 4	40.75	May 2	39.73	Aug. 1	40.49	Dec. 1	39.58
Mar. 5	40.14	June 3	40.43	Sept. 3	39.69		

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 57.60 below lsd, Nov. 1, 1957. Records available: 1939-49, 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	52.50	Apr. 2	48.93	July 1	50.29	Oct. 31	47.87
Feb. 4	52.59	May 2	51.08	Aug. 1	53.14	Dec. 1	53.30
Mar. 5	51.59	June 3	52.89	Sept. 3	46.60		

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; lowest 8.78 below lsd, Oct. 31, 1955. Records available: 1939-58.

Jan. 1	6.59	Apr. 2	4.04	July 1	4.65	Oct. 31	+1.70
Feb. 4	6.58	May 2	3.93	Aug. 1	2.23	Dec. 1	+1.70
Mar. 5	6.57	June 3	4.37	Sept. 3	2.91		

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 21.55 below lsd, Sept. 7, 1951; lowest 32.83 below lsd, Apr. 2, 1957. Records available: 1939-58.

Jan. 1	30.99	Apr. 2	29.58	July 1	29.98	Oct. 31	23.20
Feb. 4	30.95	May 2	29.75	Aug. 1	29.55	Dec. 1	22.78
Mar. 5	24.77	June 3	29.90	Sept. 3	29.18		

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 9.95 below lsd, May 6, 1945; lowest 19.21 below lsd, Aug. 5, Sept. 5, 1956. Records available: 1939-58.

#### Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	17.40	17.51	.....	16.49	16.37	16.16	15.18				
10	.....	17.44	17.40	16.62	16.48	16.35	15.97	15.17				
15	.....	17.42	17.31	16.58	16.47	16.37	15.80	15.15				
20	.....	17.47	17.17	16.51	16.44	16.36	15.50	15.14				
25	.....	17.43	16.98	16.56	16.42	16.36	15.35	15.15				
30	17.40	.....	16.84	16.53	16.39	16.36	15.25	15.14				

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 34.93 below lsd, Dec. 2, 1953. Records available: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	34.62	Apr. 2	34.44	July 1	34.49	Oct. 2	34.03
Feb. 4	34.60	May 2	34.38	Aug. 1	34.35	31	34.01
Mar. 5	34.58	June 3	34.40	Sept. 3	34.22	Dec. 1	33.84

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 38.50 below lsd, Apr. 2, 1957. Records available: 1938-58.

Jan. 1	37.92	Apr. 2	37.65	July 1	37.83	Oct. 2	37.33
Feb. 4	38.13	May 2	37.77	Aug. 1	37.64	31	36.87
Mar. 5	37.70	June 3	38.07	Sept. 3	37.23	Dec. 1	36.74

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 1 $\frac{1}{4}$  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: 1938-58.

Jan. 1	12.35	Apr. 2	11.99	July 1	12.06	Oct. 2	10.05
Feb. 4	12.49	May 2	11.81	Aug. 1	10.24	31	10.32
Mar. 5	12.61	June 3	11.93	Sept. 3	10.68	Dec. 1	10.68

881. (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 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 14.72 below lsd, Mar. 1, 1957.

Feb. 4	12.08	May 2	12.46	Aug. 1	11.13	Oct. 31	11.17
Mar. 5	13.22	June 3	12.64	Sept. 3	10.50	Dec. 1	11.46
Apr. 2	12.56	July 1	12.75	Oct. 2	10.97		

884. (C) Maggie Holle. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 26, 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 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: 1939-58.

Jan. 1	36.54	Apr. 2	35.42	July 1	36.20	Oct. 2	32.12
Feb. 4	35.54	May 2	36.42	Aug. 1	34.40	11	32.63
Mar. 5	36.05	June 3	36.15	Sept. 3	34.33	Dec. 1	31.71

885. (C) Maggie Holle. NW cor. NW $\frac{1}{4}$  sec. 26, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	38.12	Apr. 2	35.77	July 1	37.88	Oct. 2	37.15
Feb. 4	35.28	May 2	37.85	Aug. 1	34.05	31	34.24
Mar. 5	37.08	June 3	37.72	Sept. 3	35.53	Dec. 1	31.56

886. (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 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: 1939-58.

Jan. 1	29.43	Apr. 2	28.65	July 1	29.94	Oct. 24	27.70
27	29.15	28	29.16	Aug. 1	28.82	31	28.11
Feb. 4	29.58	May 2	29.02	27	28.57	Nov. 25	28.08
27	29.94	26	29.34	Sept. 3	28.12	Dec. 1	27.91
Mar. 5	30.09	June 3	29.83	25	27.42	24	28.39
25	29.65	25	29.68	Oct. 2	26.80		

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: 1939-58.

Jan. 1	30.10	Apr. 2	29.21	July 1	31.01	Oct. 2	27.56
Feb. 4	30.45	May 2	29.89	Aug. 1	30.10	31	29.40
Mar. 5	31.01	June 3	31.13	Sept. 3	29.28	Dec. 1	29.11

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: 1939-58.

Jan. 1	7.99	Apr. 2	1.09	July 1	5.84	Oct. 2	1.46
Feb. 4	8.84	May 2	2.50	Aug. 1	0.86	31	2.57
Mar. 5	8.88	June 3	3.72	Sept. 3	3.36	Dec. 1	1.97

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 0.62 below lsd, Aug. 1, 1951; lowest 16.35 below lsd, Aug. 31, 1956. Records available: 1939-58.

Jan. 1	9.74	Apr. 2	6.52	July 1	8.07	Oct. 2	5.40
Feb. 4	10.81	May 2	7.76	Aug. 1	4.13	31	6.64
Mar. 5	10.41	June 3	7.67	Sept. 3	6.91	Dec. 1	6.83

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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.40	Apr. 2	4.88	Aug. 1	4.85	Oct. 31	4.69
Feb. 4	6.33	June 3	5.67	Sept. 3	5.49	Dec. 1	4.93
Mar. 5	6.34	July 1	6.19	Oct. 2	4.26		

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	3.40	May 2	2.60	Aug. 1	2.32	Oct. 31	3.10
Feb. 4	3.31	June 3	3.40	Sept. 3	3.97	Dec. 1	3.23
Apr. 2	1.78	July 1	3.67	Oct. 2	2.49		

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.73	Apr. 2	0.90	July 1	2.80	Oct. 2	1.74
Feb. 4	2.64	May 2	1.92	Aug. 1	1.31	31	2.40
Mar. 5	2.39	June 3	2.61	Sept. 3	2.20	Dec. 1	2.58

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.54	May 2	1.64	Aug. 1	0.91	Oct. 31	2.13
Feb. 4	2.45	June 3	2.25	Sept. 3	2.05	Dec. 1	2.32
Apr. 2	0.66	July 1	2.50	Oct. 2	1.48		

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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	33.29	Apr. 2	33.01	July 1	33.45	Oct. 2	32.61
Feb. 4	33.31	May 2	33.08	Aug. 1	33.25	31	32.63
Mar. 5	32.83	June 3	33.26	Sept. 3	32.90	Dec. 1	32.27

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: 1950-58.

Jan. 1	16.21	Apr. 2	12.68	July 1	12.69	Oct. 2	8.01
Feb. 4	16.24	May 2	11.97	Aug. 1	7.97	31	8.55
Mar. 5	16.10	June 3	12.15	Sept. 3	9.51	Dec. 1	9.11

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: 1950-58.

Jan. 1	23.50	Apr. 2	23.24	July 1	23.11	Oct. 2	22.41
Feb. 4	23.41	May 2	23.18	Aug. 1	22.97	31	22.19
Mar. 5	23.51	June 3	23.16	Sept. 3	22.76	Dec. 1	22.02

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, 1954-58.

Jan. 1	20.33	Apr. 2	19.06	July 1	19.87	Oct. 2	17.28
Feb. 4	20.35	May 2	19.37	Aug. 1	17.90	31	17.67
Mar. 5	20.61	June 3	19.60	Sept. 3	18.32	Dec. 1	17.84

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: 1950-58.

Jan. 1	17.39	Apr. 2	15.17	July 1	16.79	Oct. 2	13.48
Feb. 4	17.66	May 2	15.97	Aug. 1	13.73	31	14.52
Mar. 5	17.92	June 3	16.38	Sept. 3	14.98	Dec. 1	15.10

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 1¼ 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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.21	Apr. 2	16.11	July 1	17.70	Oct. 2	15.44
Feb. 4	18.35	May 2	17.04	Aug. 1	13.50	31	16.43
Mar. 5	18.47	June 3	17.03	Sept. 3	16.46	Dec. 1	16.89

1186. (C) City of Wichita. SW cor. SW¼ sec. 13, T. 24 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 5.25 below lsd, Sept. 7, 1951; lowest 24.67 below lsd, Mar. 1, 1957. Records available: 1941-58.

Jan. 1	21.91	Apr. 2	20.73	July 1	21.68	Oct. 2	18.47
Feb. 4	22.12	May 2	21.13	Aug. 1	19.01	31	18.51
Mar. 5	22.31	June 3	21.37	Sept. 3	19.85	Dec. 1	18.69

1187. (C) City of Wichita. NW cor. NW¼ sec. 29, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1941-58.

Jan. 1	15.25	Apr. 2	11.02	July 1	14.48	Oct. 2	9.83
Feb. 4	15.72	May 2	12.89	Aug. 1	8.40	31	11.76
Mar. 5	15.87	June 3	13.05	Sept. 3	12.37	Dec. 1	12.68

1189. (C) City of Wichita. SW cor. SW¼ sec. 16, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches. 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, 1949-58.

Jan. 1	26.32	Apr. 2	25.06	July 1	25.77	Oct. 31	23.39
Feb. 4	26.37	May 2	25.46	Aug. 1	23.24	Dec. 1	23.63
Mar. 5	26.33	June 3	25.26	Sept. 3	24.36		

1190. (C) City of Wichita. SE¼ SE¼ sec. 10, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.14 below lsd, July 9, 1951; lowest 32.99 below lsd, May 1, 1957. Records available: 1950-58.

Jan. 1	30.66	Apr. 2	30.45	July 1	30.18	Oct. 2	28.61
Feb. 4	30.69	May 2	30.22	Aug. 1	29.66	31	28.12
Mar. 5	30.82	June 3	30.13	Sept. 3	28.95	Dec. 1	27.79

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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.94	Apr. 2	11.58	July 1	14.30	Oct. 2	11.51
Feb. 4	16.05	May 2	13.78	Aug. 1	9.22	31	13.42
Mar. 5	15.80	June 3	13.55	Sept. 3	13.38	Dec. 1	14.50

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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	8.67	Apr. 2	7.94	July 1	7.64	Oct. 2	4.95
Feb. 4	8.72	May 2	7.57	Aug. 1	5.46	31	5.23
Mar. 5	8.76	June 3	7.49	Sept. 3	5.74	Dec. 1	5.93

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, 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	9.76	Apr. 2	7.56	July 1	7.92	Oct. 2	3.03
Feb. 4	9.90	May 2	7.43	Aug. 1	2.66	31	3.98
Mar. 5	10.03	June 3	7.76	Sept. 3	4.11	Dec. 1	4.98

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, 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	4.47	May 2	3.98	Aug. 1	2.57	Oct. 31	2.91
31	4.49	June 3	3.80	Sept. 3	3.38	Dec. 1	3.23
Apr. 2	2.67	July 1	4.15	Oct. 2	2.33		

2072. (C) Peter Hoops and others. NE¼ NW¼ 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 40.51 below lsd, Oct. 2, 1958. Records available: 1941-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	40.35	Apr. 2	40.45	July 1	40.45	Oct. 2	40.51
Feb. 4	40.35	May 2	40.42	Aug. 1	40.45	31	40.23
Mar. 5	40.41	June 3	40.44	Sept. 3	40.17	Dec. 1	40.22

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: 1950-58.

Jan. 1	26.71	Apr. 2	26.42	July 1	26.48	Oct. 2	23.08
Feb. 4	26.91	May 2	26.31	Aug. 1	24.08	31	22.68
Mar. 5	27.72	June 3	26.38	Sept. 3	24.10	Dec. 1	22.93

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, 0.80 foot above lsd. Highest water level 3.90 below lsd, Apr. 28, 1944; lowest 25.99 below lsd, Mar. 1, 1957. Records available: 1944-46, 1949-58.

Jan. 1	23.57	Apr. 2	22.02	July 1	23.00	Oct. 2	17.75
Feb. 4	23.56	May 2	22.18	Aug. 1	18.01	31	19.08
Mar. 5	23.66	June 3	22.53	Sept. 3	20.17	Dec. 1	19.58

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. 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: 1951-58.

Jan. 1	28.89	Apr. 2	28.63	July 1	28.19	Oct. 2	27.63
Feb. 4	29.42	May 2	28.85	Aug. 1	28.12	31	27.85
Mar. 5	29.30	June 3	28.75	Sept. 3	28.15	Dec. 1	27.57

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 1 $\frac{1}{4}$  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: 1950-58.

Jan. 1	7.48	Apr. 2	6.31	July 1	6.69	Oct. 2	4.15
Feb. 4	10.63	May 2	6.22	Aug. 1	5.26	31	5.04
Mar. 5	7.77	June 3	6.49	Sept. 3	5.69	Dec. 1	5.31

3003. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  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 15.97 below lsd, July 1, 1957. Records available: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.70	Apr. 2	5.09	July 1	5.95	Oct. 2	3.48
Feb. 4	6.75	May 2	5.28	Aug. 1	4.34	31	4.14
Mar. 5	6.96	June 3	5.73	Sept. 3	5.00	Dec. 1	4.64

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. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 41.32 below lsd, Jan. 3, 1952; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-58.

Jan. 1	47.10	Apr. 2	47.73	July 1	44.58	Oct. 2	42.33
Feb. 4	49.16	May 2	47.01	Aug. 1	44.78	31	46.72
Mar. 5	47.84	June 3	46.24	Sept. 3	45.47	Dec. 1	47.34

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. 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: 1950-58.

Jan. 1	18.91	Apr. 2	18.53	July 1	18.60	Oct. 2	16.40
Feb. 4	19.08	May 2	18.44	Aug. 1	17.02	31	16.45
Mar. 5	19.27	June 3	18.48	Sept. 3	17.14	Dec. 1	16.75

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: 1950-58.

Jan. 1	27.15	Apr. 2	27.02	July 1	26.69	Oct. 2	25.10
Feb. 4	27.20	May 2	26.65	Aug. 1	26.05	31	24.62
Mar. 5	27.27	June 3	26.58	Sept. 3	25.58	Dec. 1	24.44

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: 1950-58.

Jan. 1	26.39	Apr. 2	24.93	July 1	25.49	Oct. 2	22.79
Feb. 4	26.34	May 2	25.02	Aug. 1	23.57	31	23.34
Mar. 5	26.42	June 3	25.11	Sept. 3	24.00	Dec. 1	23.38

3035. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 34, 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 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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.39	Apr. 2	18.20	July 1	17.89	Oct. 2	16.95
Feb. 4	18.43	May 2	18.05	Aug. 1	17.55	31	16.74
Mar. 5	18.49	June 3	17.97	Sept. 3	17.22	Dec. 1	16.68

3036. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, 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 40 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 34.17 below lsd, Apr. 2, 1957. Records available: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	31.08	Apr. 2	30.43	July 1	30.08	Oct. 2	28.59
Feb. 4	31.59	May 2	30.42	Aug. 1	28.69	Dec. 1	28.45
Mar. 5	31.65	June 3	30.27	Sept. 3	29.22		

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 38.38 below lsd, Jan. 2, 1951; lowest 53.19 below lsd, Aug. 1, 1957. Records available: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	47.80	Apr. 2	49.45	July 1	47.05	Oct. 2	45.23
Feb. 4	49.94	May 2	48.52	Aug. 1	48.62	31	48.51
Mar. 5	48.56	June 3	48.68	Sept. 3	48.44	Dec. 1	49.26

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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	46.23	Apr. 2	46.07	July 1	45.69	Oct. 2	44.39
Feb. 4	47.77	May 2	46.11	Aug. 1	45.00	31	45.82
Mar. 5	47.00	June 3	46.26	Sept. 3	44.93	Dec. 1	46.46

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: 1950-58.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.82	Apr. 2	11.45	July 1	13.51	Oct. 2	10.33
Feb. 4	14.85	May 2	12.33	Aug. 1	10.01	31	11.64
Mar. 5	14.59	June 3	12.67	Sept. 3	11.97	Dec. 1	12.58

\*\*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: 1939-58.

Jan. 2	37.00	May 1	107.00	Aug. 1	36.50	Oct. 31	111.50
31	47.00	June 2	110.00	Sept. 2	112.50	Dec. 1	37.00
Mar. 3	111.00	July 1	34.00	Oct. 2	112.00	31	35.39
Apr. 1	35.50						

M-1b. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 29, 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 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: 1939-58.

Jan. 2	31.92	May 1	39.18	Aug. 1	30.70	Oct. 31	38.28
31	38.81	June 2	38.26	Sept. 2	34.76	Dec. 1	32.10
Mar. 3	39.90	July 1	29.68	Oct. 2	34.94	31	30.45
Apr. 1	31.08						

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: 1939-58.

Jan. 2	88.00	May 1	87.00	Aug. 1	43.50	Oct. 31	101.00
31	91.50	June 2	96.00	Sept. 2	48.00	Dec. 1	99.00
Mar. 3	93.00	July 1	92.00	Oct. 2	42.00	31	100.00
Apr. 1	44.00						

M-2b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, 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 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: 1939-58.

\*\*The prefix M indicates that the well is a City of Wichita municipal well. Also the letter a designates an observation well 100 feet from the well of the same number, b an observation well 500 feet from the well of the same number, and c an observation well 20 feet from the well of the same number.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	40.37	May 1	44.69	Aug. 1	42.38	Oct. 31	44.74
31	45.98	June 2	43.14	Sept. 2	42.70	Dec. 1	42.45
Mar. 3	44.30	July 1	37.96	Oct. 2	38.38	31	40.07
Apr. 1	43.13						

M-2c (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Driven and 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, 0.80 foot above lsd. Highest water level 29.35 below lsd, Feb. 28, 1951; lowest 45.20 below lsd, Aug. 1, 1956. Records available: 1946-56. Measurement discontinued.

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: 1939-58.

Jan. 2	48.00	May 1	51.00	Aug. 1	103.00	Oct. 31	51.00
31	53.50	June 2	46.50	Sept. 2	48.00	Dec. 1	51.00
Mar. 3	49.00	July 1	42.50	Oct. 2	42.00	31	48.00
Apr. 1	102.00						

M-3b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, 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 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: 1939-58.

Jan. 2	44.92	May 1	48.55	Aug. 1	48.96	Oct. 31	48.76
31	50.50	June 2	46.61	Sept. 2	47.18	Dec. 1	47.80
Mar. 3	47.50	July 1	42.74	Oct. 2	41.98	31	45.48
Apr. 1	50.29						

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: 1939-58.

Jan. 2	44.00	Apr. 1	112.00	June 2	44.00	Aug. 1	45.00
31	50.00	May 1	47.50	July 1	42.00	Sept. 2	46.00
Mar. 3	48.00						

M-4b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	45.82	May 1	49.13	Aug. 1	48.63	Oct. 31	49.52
31	52.02	June 2	46.86	Sept. 2	48.46	Dec. 1	49.50
Mar. 3	48.00	July 1	43.30	Oct. 2	41.80	31	46.82
Apr. 1	55.13						

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: 1939-58.

Jan. 2	43.00	May 1	124.50	Aug. 1	131.00	Oct. 31	131.00
31	126.00	June 2	49.00	Sept. 2	50.00	Dec. 1	129.50
Mar. 3	48.34	July 1	44.00	Oct. 2	43.00	31	134.50
Apr. 1	127.00						

M-5b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, 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 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: 1939-58.

Jan. 2	38.89	May 1	38.86	Aug. 1	39.56	Oct. 31	38.35
31	39.34	June 2	39.27	Sept. 2	38.97	Dec. 1	38.52
Mar. 3	39.26	July 1	38.87	Oct. 2	38.65	31	37.15
Apr. 1	39.07						

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: 1939-58.

Jan. 2	121.00	May 1	45.00	Aug. 1	128.00	Oct. 31	44.00
31	48.00	June 2	124.00	Sept. 2	133.00	Dec. 1	127.00
Mar. 3	130.00	July 1	128.00	Oct. 2	132.00	31	44.00
Apr. 1	48.50						

M-6b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	40.56	May 1	40.25	Aug. 1	40.84	Oct. 31	39.80
31	41.06	June 2	40.86	Sept. 2	40.35	Dec. 1	39.97
Mar. 3	40.79	July 1	40.55	Oct. 2	40.34	31	39.07
Apr. 1	40.44						

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: 1939-58.

Jan. 2	43.00	May 1	99.50	Aug. 1	45.00	Oct. 31	43.00
31	102.00	June 2	101.00	Sept. 2	45.00	Dec. 1	100.00
Mar. 3	45.00	July 1	101.00	Oct. 2	101.50	31	46.00
Apr. 1	45.00						

M-7b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, 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 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: 1939-58.

Jan. 2	37.59	May 1	37.30	Aug. 1	37.49	Oct. 31	36.94
31	37.85	June 2	37.63	Sept. 2	37.66	Dec. 1	36.77
Mar. 3	36.62	July 1	37.75	Oct. 2	37.33	31	36.51
Apr. 1	37.26						

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: 1939-58.

Jan. 2	81.00	May 1	80.00	Aug. 1	83.00	Oct. 31	38.00
31	38.00	June 2	80.00	Sept. 2	38.83	Dec. 1	37.29
Mar. 3	37.50	July 1	82.50	Oct. 2	84.00	31	36.61
Apr. 1	80.00						

M-8b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, 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 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: 1939-58.

Jan. 2	36.01	May 1	35.49	Aug. 1	36.60	Oct. 31	35.18
31	35.71	June 2	36.08	Sept. 2	36.27	Dec. 1	34.60
Mar. 3	34.87	July 1	37.02	Oct. 2	36.14	31	34.35
Apr. 1	35.61						

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	70.00	May 1	70.00	Aug. 1	71.00	Oct. 31	35.00
31	69.50	June 2	70.00	Sept. 2	70.00	Dec. 1	67.00
Mar. 3	34.00	July 1	72.00	Oct. 2	69.00	31	70.00
Apr. 1	35.00						

M-9b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, 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 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: 1939-58.

Jan. 2	35.18	May 1	35.01	Aug. 1	35.82	Oct. 31	34.25
31	35.35	June 2	35.34	Sept. 2	35.66	Dec. 1	33.74
Mar. 3	33.67	July 1	36.27	Oct. 2	35.55	31	34.10
Apr. 1	34.86						

M-10. (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 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: 1939-58.

Jan. 2	94.00	May 1	44.00	Aug. 1	44.00	Oct. 31	98.50
31	99.50	June 2	96.00	Sept. 2	43.95	Dec. 1	97.00
Mar. 3	99.50	July 1	98.50	Oct. 2	42.00	31	42.50
Apr. 1	98.00						

M-10b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, 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 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: 1939-58.

Jan. 2	38.38	Apr. 1	37.89	July 1	39.45	Oct. 2	37.22
31	38.66	May 1	37.69	Aug. 1	38.53	31	37.88
Mar. 3	37.92	June 2	38.67	Sept. 2	38.66	Dec. 1	37.42

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	87.00	May 1	87.00	Aug. 1	88.00	Oct. 31	88.50
31	41.50	June 2	87.00	Sept. 2	87.00	Dec. 1	86.50
Apr. 1	89.00	July 1	40.00	Oct. 2	87.00		

M-11b. (C) City of Wichita. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 8, 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 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: 1939-58.

Jan. 2	39.65	May 1	39.66	Aug. 1	39.45	Oct. 31	39.32
31	38.97	June 2	39.74	Sept. 2	39.53	Dec. 1	37.33
Apr. 1	39.57	July 1	39.49	Oct. 2	39.26		

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: 1939-58.

Jan. 2	95.50	Apr. 1	96.00	July 1	98.00	Oct. 2	39.00
31	98.50	May 1	97.00	Aug. 1	98.00	31	96.00
Mar. 3	100.00	June 2	99.00	Sept. 2	39.50	Dec. 1	94.00

M-12b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 9, 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 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: 1939-58.

Jan. 2	42.02	Apr. 1	42.41	July 1	46.35	Oct. 2	39.46
31	41.91	May 1	44.59	Aug. 1	45.46	31	45.26
Mar. 3	45.74	June 2	46.49	Sept. 2	40.42	Dec. 1	47.92

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, cased to 188. 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: 1939-58.

Jan. 2	70.00	Apr. 1	36.50	July 1	70.00	Oct. 2	69.00
31	71.00	May 1	71.00	Aug. 1	70.50	31	71.50
Mar. 3	36.00	June 2	71.00	Sept. 2	35.50	Dec. 1	70.00

M-13b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 17, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	33.67	Apr. 1	36.42	July 1	36.72	Oct. 2	35.69
31	34.87	May 1	36.54	Aug. 1	36.40	31	35.70
Mar. 3	35.55	June 2	36.68	Sept. 2	35.99	Dec. 1	35.25

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 63.00 below lsd, Oct. 31, 1958. Records available: 1939-58.

Jan. 2	37.00	Apr. 1	56.00	July 1	59.00	Oct. 2	38.00
31	38.46	May 1	42.00	Aug. 1	61.00	31	63.00
Mar. 3	56.00	June 2	54.00	Sept. 2	40.00	Dec. 1	38.00

M-14b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 9, 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 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: 1939-58.

Jan. 2	36.37	Apr. 1	40.34	July 1	49.26	Oct. 2	36.78
31	36.56	May 1	41.14	Aug. 1	40.50	31	39.09
Mar. 3	40.02	June 2	40.96	Sept. 2	41.20	Dec. 1	36.94

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, and Mar. 3, 1958. Records available: 1939-58.

Jan. 2	57.00	Apr. 1	67.00	July 1	65.00	Oct. 2	65.00
31	59.00	May 1	66.00	Aug. 1	65.00	31	36.00
Mar. 3	68.00	June 2	64.00	Sept. 2	66.00	Dec. 1	62.00

M-15b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 16, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	38.80	Apr. 1	38.11	July 1	38.23	Oct. 2	36.25
31	38.73	May 1	37.47	Aug. 1	36.84	31	34.45
Mar. 3	38.63	June 2	36.47	Sept. 2	37.02	Dec. 1	34.88

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: 1939-58.

Jan. 2	70.00	Apr. 1	70.00	July 1	72.00	Oct. 2	41.00
31	73.00	May 1	72.00	Aug. 1	70.00	31	68.50
Mar. 3	72.00	June 2	72.00	Sept. 2	40.50	Dec. 1	67.00

M-16b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 9, 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 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: 1939-58.

Jan. 2	42.15	Apr. 1	39.65	July 1	42.98	Oct. 2	37.75
31	42.82	May 1	42.04	Aug. 1	40.77	31	40.20
Mar. 3	41.99	June 2	42.20	Sept. 2	37.86	Dec. 1	39.67

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: 1939-58.

Jan. 2	35.00	May 1	89.00	Aug. 1	35.00	Oct. 31	37.00
31	39.00	June 2	88.00	Sept. 2	35.69	Dec. 1	76.50
Mar. 3	86.00	July 1	90.00	Oct. 2	75.90	31	79.00
Apr. 1	37.00						

M-17b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, 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 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: 1939-58.

Jan. 2	37.26	May 1	36.88	Aug. 1	36.58	Oct. 31	35.25
31	37.48	June 2	36.66	Sept. 2	36.12	Dec. 1	35.48
Mar. 3	37.22	July 1	36.69	Oct. 2	35.83	31	35.01
Apr. 1	37.10						



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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.00	May 1	29.58	Aug. 1	61.50	Oct. 31	63.50
31	31.00	June 2	62.00	Sept. 2	63.00	Dec. 1	62.00
Mar. 3	60.50	July 1	31.00	Oct. 2	63.00	31	62.00
Apr. 1	28.62						

M-18b. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 16, 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 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: 1939-58.

Jan. 2	28.14	May 1	26.48	Aug. 1	25.62	Oct. 31	25.17
31	27.82	June 2	27.52	Sept. 2	25.91	Dec. 1	25.45
Mar. 3	27.95	July 1	27.72	Oct. 2	25.05	31	25.98
Apr. 1	26.99						

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: 1939-58.

Jan. 2	63.50	May 1	32.00	Aug. 1	60.00	Oct. 31	29.00
31	64.00	June 2	31.00	Sept. 2	58.00	Dec. 1	56.00
Mar. 3	61.50	July 1	61.00	Oct. 2	30.00	31	56.00
Apr. 1	61.00						

M-19b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, 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 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: 1939-58.

Jan. 2	35.39	May 1	30.60	Aug. 1	33.54	Oct. 31	27.89
31	35.38	June 2	29.55	Sept. 2	32.99	Dec. 1	31.70
Mar. 3	35.16	July 1	34.67	Oct. 2	28.48	31	31.70
Apr. 1	34.53						

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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	34.00	May 1	63.00	Aug. 1	33.00	Oct. 31	61.00
31	35.00	June 2	64.00	Sept. 2	32.00	Dec. 1	30.00
Mar. 3	64.00	July 1	64.00	Oct. 2	32.00	31	60.00
Apr. 1	63.00						

M-20b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 27, 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 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: 1939-58.

Jan. 2	33.85	May 1	33.79	Aug. 1	32.62	Oct. 31	30.34
31	33.72	June 2	33.61	Sept. 2	31.96	Dec. 1	30.18
Mar. 3	33.82	July 1	33.78	Oct. 2	31.10	31	30.52
Apr. 1	33.22						

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: 1939-58.

Jan. 2	32.00	May 1	30.18	Aug. 1	59.00	Oct. 31	65.00
31	31.00	June 2	29.90	Sept. 2	62.00	Dec. 1	32.00
Mar. 3	30.70	July 1	29.71	Oct. 2	30.00	31	31.50
Apr. 1	30.46						

M-21b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, 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 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: 1939-58.

Jan. 2	30.18	May 1	29.50	Aug. 1	29.59	Oct. 31	28.51
31	30.14	June 2	29.19	Sept. 2	29.28	Dec. 1	27.82
Mar. 3	29.96	July 1	29.06	Oct. 2	28.52	31	27.75
Apr. 1	29.77						

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 66.00 below lsd, May 2, Sept. 1, 1955. Records available: 1939-58.

Jan. 2	35.50	May 1	32.00	Aug. 1	31.00	Oct. 31	30.00
31	33.00	June 2	32.00	Sept. 2	48.00	Dec. 1	30.38
Mar. 3	32.00	July 1	32.00	Oct. 2	31.00	31	32.30
Apr. 1	32.00						

M-22b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	32.83	May 1	31.36	Aug. 1	30.58	Oct. 31	30.08
31	32.38	June 2	31.02	Sept. 2	30.98	Dec. 1	29.80
Mar. 3	32.31	July 1	30.87	Oct. 2	30.32	31	31.99
Apr. 1	31.73						

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: 1939-58.

Jan. 2	70.00	May 1	72.00	Aug. 1	70.00	Oct. 31	70.00
31	35.50	June 2	74.00	Sept. 2	71.00	Dec. 1	74.00
Mar. 3	70.00	July 1	73.00	Oct. 2	71.00	31	70.00
Apr. 1	71.00						

M-23b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, 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 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: 1939-58.

Jan. 2	31.56	May 1	30.97	Aug. 1	30.72	Oct. 31	29.57
31	31.18	June 2	30.95	Sept. 2	30.41	Dec. 1	29.15
Mar. 3	31.16	July 1	31.04	Oct. 2	30.02	31	28.59
Apr. 1	31.07						

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: 1939-58.

Jan. 2	33.00	May 1	58.00	Aug. 1	32.00	Oct. 31	31.00
31	61.00	June 2	59.00	Sept. 2	51.00	Dec. 1	30.00
Mar. 3	59.00	July 1	56.00	Oct. 2	48.50	31	30.00
Apr. 1	32.50						

M-24b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 35, 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 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: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	35.48	May 1	33.90	Aug. 1	33.75	Oct. 31	32.62
31	35.85	June 2	34.85	Sept. 2	34.08	Dec. 1	32.16
Mar. 3	34.79	July 1	34.91	Oct. 2	33.55	31	31.79
Apr. 1	34.05						

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: 1939-58.

Jan. 2	54.00	May 1	55.00	Aug. 2	53.00	Oct. 31	27.00
31	54.50	June 2	56.00	Sept. 1	55.00	Dec. 1	26.00
Mar. 3	55.00	July 1	55.00	Oct. 2	52.00	31	51.00
Apr. 1	54.50						

M-26. (C) City of Wichita. SW $\frac{1}{4}$  NE $\frac{1}{4}$  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: 1949-58.

Jan. 2	30.00	May 1	72.00	Aug. 1	72.50	Oct. 31	72.00
31	72.50	June 2	73.00	Sept. 2	72.00	Dec. 1	72.00
Mar. 3	70.00	July 1	73.50	Oct. 2	70.00	31	29.50
Apr. 1	73.00						

M-26b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 22, 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 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: 1947-58.

Jan. 2	27.91	May 1	27.58	Aug. 1	24.55	Oct. 31	24.63
31	28.75	June 2	27.67	Sept. 2	25.56	Dec. 1	25.02
Mar. 3	28.62	July 1	28.19	Oct. 2	24.42	31	25.36
Apr. 1	27.62						

#### HASKELL COUNTY

10. (C) Elie Stoops. SE $\frac{1}{4}$  NW $\frac{1}{4}$  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: 1941-58. May 13, 49.08; Nov. 6, 47.92.

12. (C) Sybol Smith. SW $\frac{1}{4}$  SW $\frac{1}{4}$  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 187.64 below lsd, Aug. 16, 1941. Records available: 1941-52, 1956-58. Feb. 12, 185.48; May 13, 185.14; Aug. 14, 186.00.

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: 1956-58. Feb. 12, 182.08; May 13, 182.96; Aug. 14, 182.86; Nov. 6, 183.21.

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 217.48 below lsd, Nov. 6, 1958. Records available: 1956-58. Feb. 12, 216.49; May 13, 216.94; Aug. 14, 216.96; Nov. 6, 217.48.

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 198.16 below lsd, Aug. 7, 1957. Records available: 1941, 1952-58. Feb. 12, 196.17; May 13, 195.32; Aug. 14, 197.42; Nov. 6, 197.67.

#### 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 23.84 below lsd, Oct. 24, 1951; lowest 39.74 below lsd, Oct. 24, 1956. Records available: 1940-58. Jan. 15, 35.38; Apr. 22, 34.47; July 22, 33.37; Oct. 21, 30.65.

22-22-13cc. (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 20.07 feet below lsd, July 22, 1958; lowest 27.03 below lsd, Aug. 28, 1940. Records available: 1940, 1955-56, 1958. 1940: Aug. 28, 27.03; 1955: July 20, 24.33; 1956: Apr. 11, 27.01; July 17, 23.65; Oct. 10, 24.30; 1958: Jan. 14, 23.97; Apr. 22, 23.59; July 22, 20.07.

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: 1954-58. Jan. 14, 64.81; Apr. 22, 64.73; July 22, 64.71; Oct. 21, 64.62.

#### 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, 1957. No measurement made in 1958.

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 1958.

## JEWELL COUNTY

12. (C) M. W. Howe. Lot 4, sec. 30, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara Formation, 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 1958.

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 1958.

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. Sept. 17, 11.67.

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. Aug. 17, 11.10.

1-6-5ac. (MB) U.S.B.R. Drilled observation water-table well in alluvium, 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: 1953-58. Sept. 16, 13.00; Oct. 29, 14.05.

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 1953-58. Oct. 29, 28.35.

1-6-5dd. (MB C) 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: 1947-58. Sept. 16, 25.95; Oct. 29, 26.60.

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: 1953-58. Oct. 29, 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: 1950-58. Sept. 16, 6.10; Oct. 29, 7.40.

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 7.65 below lsd, Oct. 29, 1958; lowest 11.04 below lsd, May 24, 1956. Records available: 1953-58. Oct. 29, 7.65.

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: 1950-58. Oct. 29, 18.20.

1-6-6da1. (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: 1950-58. Sept. 16, 15.80; Oct. 29, 16.10.

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: 1953-58. Sept. 16, 18.45; Oct. 29, 18.50.

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 12.05 below lsd, Sept. 16, 1958; lowest 15.13 below lsd, Mar. 13, 1957. Records available: 1953-58. Sept. 16, 12.05; Oct. 29, 12.10.

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 22.90 below lsd, Sept. 16, 1958; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-58. Sept. 16, 22.90; Oct. 29, 23.00.

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: 1955-58. Jan. 3, 62.94; May 6, 62.80; July 7, 62.70; Sept. 9, 62.39.

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: 1955-58. Jan. 3, 51.79; May 6, 52.34; July 7, 50.68; Sept. 9, 47.06.

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 43.64 below lsd, Sept. 9, 1958; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-58. Jan. 3, 46.80; May 6, 47.30; July 7, 46.28; Sept. 9, 43.64.

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 31.44 below lsd, Sept. 9, 1958;

lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-58. Jan. 3, 34.39; May 6, 34.02; July 7, 33.38; Sept. 9, 31.44.

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 26.50 below lsd, Sept. 9, 1958; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-58. Jan. 3, 32.16; May 6, 32.55; July 7, 31.93; Sept. 9, 26.50.

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 22.66 below lsd, Sept. 9, 1958; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56, 1958. Jan. 3, 28.16; May 6, 27.68; July 7, 27.52; Sept. 9, 22.66.

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 25.97 below lsd, Sept. 4, 1957; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57. No measurement made in 1958.

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 38.15 below lsd, June 26, 1957; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57. No measurement made in 1958.

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: 1947-58. Sept. 16, 6.95; Oct. 29, 8.25.

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: 1953-58. Sept. 16, 5.55; Oct. 29, 7.40.

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 3.80 below lsd, Sept. 16, 1958; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-58. Sept. 16, 3.80; Oct. 29, 4.85.

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: 1947-58. Sept. 16, 3.15; Oct. 29, 3.70.

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: 1953-58. Oct. 29, 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: 1953-58. Oct. 29, 9.10.

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 32.70 below lsd, Sept. 4, 1957; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-58. Jan. 3, 35.40; May 6, 34.98; July 7, 35.39.

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: 1955-58. May 7, 32.53; July 7, 31.64; Sept. 9, 29.04.

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 13.29 below lsd, Sept. 9, 1958; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-58. Jan. 1, 15.84; May 7, 14.96; July 7, 14.53; Sept. 9, 13.29.

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 26.56 below lsd, Sept. 9, 1958; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-58. Jan. 4, 29.96; May 7, 34.31; July 7, 29.27; Sept. 9, 26.56.

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. Jan. 13, 37.90, Feb. 3, 38.03; Mar. 3, 37.83.

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. Jan. 13, 34.90; Feb. 3, 34.78; Mar. 3, 34.55.

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 16.34 below lsd, Sept. 9, 1958; lowest dry, Feb. 21, 1957. Records available: 1955-58. Jan. 4, 17.50; Apr. 7, 17.18; July 7, 17.04; Sept. 9, 16.34.

2-6-8ba. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 59 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 18.40 below lsd, Nov. 8, 1956; lowest 18.74 below lsd, Oct. 20, 1955. Records available: 1955-56. Measurement discontinued.

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. Jan. 13, 32.73; Feb. 3, 32.67; Mar. 3, 32.45.

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. Jan. 13, 13.02; Feb. 3, 12.73; Mar. 3, 12.42.

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. Jan. 13, 36.97; Feb. 3, 37.11; Mar. 3, 37.07.

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. Jan. 13, 17.75; Feb. 3, 17.68; Mar. 3, 16.50.

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. Jan. 13, 16.22; Feb. 3, 16.27; Mar. 3, 16.27.

2-6-8cb1. (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. Jan. 13, 12.70; Feb. 3, 12.40; Mar. 3, 12.05.

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. Jan. 13, 12.23; Feb. 3, 11.93; Mar. 3, 11.58.

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. Jan. 13, 4.83; Feb. 3, 4.49; Mar. 3, 4.27.

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. Jan. 13, 22.19; Feb. 3, 22.18; Mar. 3, 22.16.

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 32.87 below lsd, Sept. 1, 1955; lowest dry, Jan. 4, 1958. Records available: 1955-58. Jan. 4, dry; May 7, 33.56; July 7, 33.55; Sept. 9, 33.56.

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: 1955-58. Jan. 4, 28.14; May 7, 30.00; July 7, 30.23; Sept. 9, 23.42.

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: 1955-58. Jan. 4, 28.14; May 7, 30.00; July 7, 30.23; Sept. 9, 23.42.

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 4.67 below lsd, May 7, 1958; lowest 11.48 below lsd, Sept. 1, 1955. Records available: 1955-58. Jan. 4, 8.53; May 7, 4.67; July 7, 7.06.

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: 1955-58. Jan. 3, 17.00; May 6, 15.87; July 7, 17.43.

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. Jan. 13, 11.88; Feb. 13, 12.01; Mar. 3, 12.21.

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 1958.

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. Jan. 13, 19.13; Feb. 3, 19.02; Mar. 3, 19.19.

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. Jan. 13, 18.84; Feb. 3, 19.00; Mar. 3, 19.18.

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. Jan. 13, 26.18; Feb. 3, 26.07; Mar. 3, 26.00.

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. Jan. 13, 13.22; Feb. 3, 13.34; Mar. 3, 13.34.

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 and 1958. Records available: 1956-58. Dry entire year of 1958.

#### 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: 1953-58. Dec. 18, 7.90.

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: 1939-58. Feb. 11, 52.50; July 15, 50.86; Oct. 10, 49.42.

22-37-22aa. (C) Owner unknown. Drilled stock well in Ogallala Formation, diameter 6 inches, depth 187 feet. Measuring point, top northeast 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: 1956-58. Oct. 16, 177.31.

#### 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: 1945-58. Mar. 25, 58.68; Apr. 24, 58.60; July 23, 58.66; Oct. 20, 58.65.

#### 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: 1940-58. Mar. 25, 67.70; Apr. 23, 66.98; July 24, 67.43; Oct. 23, 68.26.

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: 1940-58. Mar. 25, 18.08; Apr. 23, 17.45; July 24, 15.27; Oct. 23, 16.04.

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, 1944-58. Mar. 25, 31.08; Apr. 23, 30.99; July 24, 30.49; Oct. 23, 29.96.

#### LANE COUNTY

17-30-13-cbb. (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: 1950-58. Feb. 11, 84.59; June 10, 84.48; Sept. 19, 84.36; Dec. 15, 84.24.

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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11	86.95	June 10	86.77	Sept. 19	88.99	Dec. 15	86.73
Apr. 3	86.73						

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: 1950-58.

Feb. 11	55.68	June 10	55.71	Sept. 19	56.39	Dec. 15	55.08
Apr. 3	55.65						

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 65.21 below lsd, Sept. 19, 1958; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-58.

Feb. 11	65.82	June 10	65.51	Sept. 19	65.21	Dec. 15	65.33
Apr. 3	65.74						

#### 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 1958.

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 1958.

#### LINCOLN COUNTY

12-7-18aa. (MB C) 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 25.05 below lsd, Dec. 20, 1956. Records available: 1947-58. Jan. 9, 19.88; May 6, 15.54; Aug. 5, 15.90.

12-7-19dd. (MB C) 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: 1947-58. Jan. 9, 12.47; May 6, 9.12; Aug. 5, 10.38.

12-8-8cd. (MB C) 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 2.29 below lsd, July 25, 1951; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-58. Jan. 9, 11.81; May 6, 3.95; Aug. 5, 5.86.

12-8-11cb. (MB C) 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: 1947-58. Jan. 9, 18.90; May 6, 13.98; Aug. 5, 15.28.

12-10-8bb. (MB C) 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: 1947-58. Jan. 9, 14.17; May 6, 11.30; Aug. 5, 12.61.

12-10-13aa. (MB C) Soenger Estate. Drilled stock water-table well in terrace deposits of Pleistocene age and Dakota Formation, diameter 6 inches, depth 30 feet. Measuring point, south edge of casing, 1.40 feet above lsd. Highest water level 8.62 below lsd, July 25, 1951; lowest dry, Mar. 13, July 19, Oct. 30, 1957. Records available: 1947-57. Well destroyed.

12-10-21dd. (MB C) 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: 1947-58. Jan. 9, 25.66; May 6, 24.62; Aug. 5, 23.82.

#### 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 1958.

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 1958.

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 1958.

#### 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: 1942-58. Jan. 7, 98.22; Apr. 15, 96.83; July 15, 96.64; Oct. 16, 98.13.

11-34-16cc. (C) A. T. and Helen Peterson. Drilled unused observation well in Ogallala Formation, diameter 5 inches, depth 143 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 125.77 below lsd, Nov. 27, 1956; lowest 126.63 below lsd, Jan. 6, 1953. Records available: 1952-58. Feb. 19, 125.98; Apr. 16, 126.01; July 15, 126.01. Measurement discontinued.

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 40.78 below lsd, Oct. 16, 1958; lowest 44.60 below lsd, Aug. 10, 1954. Records available: 1952-58. Feb. 19, 41.33; Apr. 16, 41.15; July 15, 40.98; Oct. 16, 40.78.

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 40.57 below lsd, Oct. 24, 1958; lowest 41.14 below lsd, Jan. 9, 1957. Records available: 1956-58. 1956: Oct. 2, 40.77; 1957: Jan. 9, 41.14; Apr. 24, 40.87; July 10, 40.90; Oct. 15, 40.73; 1958: Jan. 7, 40.70; Apr. 15, 40.66; July 15, 40.64; Oct. 24, 40.57.

#### 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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	24.62	May 6	22.57	Aug. 13	22.00	Oct. 16	22.42
Feb. 12	24.49	June 12	22.46	Sept. 19	22.07	Nov. 19	22.67
Apr. 1	22.55	July 21	22.23				

17-3-9bcc. (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, 1.00 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, 1955-58.

Jan. 3	21.50	May 6	20.10	Aug. 31	19.93	Oct. 16	20.20
Feb. 12	21.50	June 12	20.09	Sept. 19	19.19	Nov. 19	20.39
Apr. 1	20.14	July 21	20.13				

17-3-10bbb. (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, 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, 1955-58.

Jan. 3	18.52	May 6	16.20	Aug. 13	15.79	Oct. 16	17.22
Feb. 12	18.86	June 12	16.40	Sept. 19	15.62	Nov. 19	17.82
Apr. 1	17.87	July 21	16.37				

17-3-17dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	25.95	May 6	23.78	Aug. 14	23.78	Oct. 16	23.97
Feb. 12	26.23	June 12	24.27	Sept. 19	23.70	Nov. 19	24.42
Apr. 1	25.78	July 21	24.35				

17-3-18dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1946-58.

Jan. 3	26.45	May 6	23.90	Aug. 14	23.70	Oct. 16	24.95
Feb. 13	26.75	June 12	24.27	Sept. 19	24.67	Nov. 18	25.20
Apr. 1	25.86	July 21	24.50				

17-3-19ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58.

Jan. 3	22.72	May 6	19.70	Aug. 14	19.06	Oct. 16	21.31
Feb. 12	23.09	June 12	20.30	Sept. 19	20.90	Nov. 18	22.23
Apr. 1	22.50	July 21	20.13				

17-3-30dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1946-58.

Jan. 3	28.87	May 6	27.37	Aug. 14	26.56	Oct. 16	27.34
Feb. 13	29.34	June 12	23.70	Sept. 19	27.20	Nov. 18	28.39
Apr. 1	29.04	July 21	27.22				

17-4-20ddd. (MB) U.S.G.S. Jetted observation well in colluvium, diameter  $\frac{3}{4}$  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: 1950-58.

Jan. 3	10.98	May 6	4.49	Aug. 14	5.73	Oct. 16	6.46
Feb. 13	11.68	June 12	5.59	Sept. 19	5.88	Nov. 18	7.54
Apr. 1	4.14	July 21	5.72				



17-4-25dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	24.89	May 6	23.54	Aug. 14	22.58	Oct. 16	23.15
Feb. 13	25.03	June 12	23.50	Sept. 19	23.06	Nov. 18	23.49
Apr. 1	24.52	July 21	23.12				

17-4-29ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	18.59	May 6	14.93	Aug. 14	13.87	Oct. 16	17.05
Feb. 13	18.89	June 12	15.78	Sept. 19	15.50	Nov. 18	18.35
Apr. 1	18.20	July 21	15.22				

17-4-31baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	22.30	May 6	18.43	Aug. 14	18.40	Oct. 16	21.02
Feb. 13	22.90	June 12	19.56	Sept. 19	20.80	Nov. 18	22.29
Apr. 1	22.14	July 21	19.09				

17-4-32baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	21.07	May 6	19.30	Aug. 14	17.30	Oct. 16	20.47
Feb. 13	21.74	June 12	18.87	Sept. 19	19.20	Nov. 18	20.22
Apr. 1	21.57	July 21	19.08				

17-4-34add. (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, 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, 1955-58.

Jan. 3	23.28	May 6	22.00	Aug. 14	20.68	Oct. 16	22.30
Feb. 13	23.90	June 12	21.50	Sept. 19	21.70	Nov. 18	22.89
Apr. 1	23.79	July 21	21.64				

17-4-36abb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	24.08	May 6	23.16	Aug. 14	22.35	Oct. 16	22.56
Feb. 13	24.19	June 12	22.83	Sept. 19	22.46	Nov. 18	22.60
Apr. 1	24.84	July 21	22.77				

17-5-7aad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 3.80 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, 1955-58.

Jan. 3	14.70	May 6	10.58	Aug. 14	10.97	Oct. 16	13.77
Feb. 13	15.15	June 12	11.90	Sept. 19	13.32	Nov. 18	14.69
Apr. 1	14.19	July 21	12.10				

17-5-7bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	26.72	May 6	26.32	Aug. 14	26.07	Oct. 16	26.03
Feb. 13	26.77	June 12	26.14	Sept. 19	26.07	Nov. 18	25.90
Apr. 1	26.73	July 22	26.16				

17-5-8ccc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	10.03	May 6	8.77	Aug. 14	8.56	Oct. 16	8.70
Feb. 13	10.06	June 12	8.57	Sept. 19	8.50	Nov. 18	8.34
Apr. 1	9.25	July 21	8.68				

17-5-8ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	9.85	May 6	4.87	Aug. 14	6.85	Oct. 16	8.70
Feb. 13	10.40	June 12	6.90	Sept. 19	7.54	Nov. 18	9.56
Apr. 1	6.63	July 21	7.38				

17-5-11bbb. (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, 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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.19	May 6	10.07	Aug. 14	8.80	Oct. 16	9.27
Feb. 12	13.08	June 12	9.93	Sept. 19	8.99	Nov. 18	9.50
Apr. 1	11.21	July 21	9.90				

17-5-16aaa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 26 feet. Measuring point, top of pipe, 2.10 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, 1955-58.

Jan. 3	19.11	May 6	14.17	Aug. 14	14.46	Oct. 16	17.30
Feb. 13	19.50	June 12	16.07	Sept. 19	17.36	Nov. 18	18.99
Apr. 1	16.88	July 21	15.28				

17-5-21dad. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	16.95	May 6	13.60	Aug. 14	12.75	Oct. 16	15.89
Feb. 13	17.72	June 12	14.13	Sept. 19	15.16	Nov. 18	16.86
Apr. 1	17.50	July 21	14.30				

17-5-23ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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 1958.

17-5-25aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Jan. 3	17.96	May 6	15.45	Aug. 14	14.73	Oct. 16	14.67
Feb. 13	18.01	June 12	15.53	Sept. 19	12.56	Nov. 18	14.79
Apr. 1	15.75	July 21	15.07				

17-5-26ddd. (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, 1.00 foot above lsd. Highest water level 5.00 below lsd, Aug. 20, 1951; lowest 21.73 below lsd, Dec. 17, 1956. Records available: 1950-58.

Jan. 3	18.46	May 6	14.92	Aug. 14	15.16	Oct. 16	16.62
Feb. 13	19.12	June 12	16.18	Sept. 19	16.40	Nov. 18	17.73
Apr. 1	17.09	July 21	17.19				

MEADE COUNTY

41. (C) D. L. Shrunner. NW¼ NW¼ 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, 1954-58. Mar. 19, 156.64; July 16, 156.57; Oct. 17, 158.98.

45. (C) Joseph Rocke. SE¼ NE¼ 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, 0.80 foot above lsd. Highest water level 0.42 below lsd, Dec. 20, 1949; lowest 22.84 below lsd, Sept. 13, 1956. Records available: 1939-58. July 16, 19.12; Oct. 17, 20.19.

61. (C) John Meyer. NW¼ NW¼ 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: 1939-58. Mar. 19, 56.58; July 16, 56.49; Oct. 17, 56.38.

77. (C) J. W. Wood. SE¼ NE¼ 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: 1939-58. July 16, 63.38; Oct. 17, 63.10.

161. (C) C. R. Cheney. SW¼ SW¼ 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, 1952-58. July 16, 8.76; Oct. 17, 7.63.

234. (C) Chris Sobba. NW¼ NE¼ 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: 1939-58.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.99	15.78	15.55	15.38	15.42	17.40	.....	.....	.....	18.82	.....	.....
10	16.01	15.90	15.44	15.40	17.00	16.71	.....	.....	21.55	.....	.....	.....
15	16.27	15.65	.....	15.40	16.10	16.60	.....	.....	.....	.....	.....	.....
20	16.50	15.62	15.39	15.41	18.44	16.15	.....	.....	20.01	.....	.....	.....
25	15.91	15.53	15.40	15.41	18.61	.....	.....	.....	19.56	.....	.....	.....
30	15.89	.....	15.40	15.38	18.65	.....	.....	.....	.....	.....	.....	.....

30-27-22cd. (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: 1954-58. July 16, 14.72; Oct. 17, 16.23.

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: 1953-58. Mar. 19, 14.41; July 16, 12.14; Oct. 17, 15.15.

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, 1953-58. Mar. 19, 14.69; July 16, 15.43; Oct. 17, 16.57.

#### MITCHELL COUNTY

6-8-34ccc. (MB C) 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 16.00 below lsd, July 25, 1951; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-58. Feb. 21, 17.75.

6-9-27ab. (MB C) 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: 1935-58. Feb. 21, 26.20; May 6, 25.00.

6-9-30da. (MB C) 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: 1946-58. Feb. 21, 29.39; May 6, 28.36.

7-6-34cba. (MB C) Thelma Spicker. 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: 1946-58. Feb. 21, dry; May 6, dry.

7-7-7aaa. (MB C) 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: 1946-58. Feb. 21, 30.96; May 6, 30.39.

7-7-15dcc. (MB C) 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: 1946-58. Feb. 21, 22.83; May 6, 21.95.

7-8-5cbb. (MB C) Paul 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: 1946-58. May 6, 27.40.

## 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, 1956-58. Feb. 13, 71.68; May 14, 72.71; Aug. 14, 78.29; Nov. 6, 75.49.

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 54.54 below lsd, Feb. 11, 1954. Records available: 1939-54, 1956-58. May 14, 50.80, Nov. 6, 50.95.

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 154.54 below lsd, Nov. 6, 1958; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-58. Feb. 13, 154.85; May 14, 154.71; Nov. 6, 154.54.

## 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: 1940-58. Jan. 16, 32.25; Apr. 22, 31.86; July 22, 30.68; Oct. 20, 28.57.

2. (C) C. L. Whitley. 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: 1940-58. Jan. 16, 26.28; Apr. 22, 25.54; July 22, 23.45; Oct. 20, 21.41.

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 47.82 below lsd, Apr. 20, 1954; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-58. Jan. 15, 48.78; July 22, 48.08; Oct. 20, 47.87.

## NORTON COUNTY

2-21-1bb. (MB C) 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 31.47 below lsd, Sept. 27, 1957. Records available: 1946-58. Jan. 28, 26.92.

2-21-2bd. (MB C) 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: 1946-58. Jan. 28, 24.74; Apr. 30, 24.35.

2-21-11aa. (MB C) 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: 1945-58. Jan. 28, 33.74; Apr. 30, 32.70.

2-21-18aa. (MB C) 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 1958.

2-21-19dd. (MB C) 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 1958.

2-22-26ac. (MB C) 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 1958.

2-22-28aa. (MB C) 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 1958.

2-23-36cd. (MB C) R. L. Brooks. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 18 inches, depth 69 feet. Measuring point, lower edge of inspection hole, 1.70 feet above lsd. Highest water level 25.56 below lsd, Oct. 23, 1951; lowest 31.59 below lsd, Mar. 13, 1950. Records available: 1946-55. Measurement discontinued.

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, 1954-58. Apr. 16, 42.14; Oct. 17, 42.00.

4-23-14ad. (C) W. L. Kidder. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 91 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, 1954-58. Feb. 18, 65.81; Apr. 16, 65.55; Oct. 17, 65.70.

#### OSBORNE COUNTY

6-11-34aa. (MB C) 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: 1945-58. Feb. 21, 35.05; May 7, 34.73.

6-12-7bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 31.25 below lsd, May 20, 1958; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	32.15	May 7	31.87	July 21	31.35	Sept. 19	31.30
Feb. 21	32.16	20	31.25	Aug. 20	31.35	Oct. 15	31.38
Apr. 17	31.64	June 19	31.55				

6-12-7dc. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58.

Jan. 14	25.20	May 7	25.57	July 21	25.08	Sept. 19	24.65
Feb. 21	24.98	20	25.02	Aug. 20	25.07	Oct. 15	25.30
Apr. 17	25.05	June 19	25.10				

6-12-23cd. (MB C) 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: 1945-58. Feb. 21, 24.23; May 7, 23.55.

6-13-2dd. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter  $\frac{3}{4}$  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.

Feb. 21	32.65	May 20	32.30	July 21	31.60	Sept. 19	30.38
Apr. 17	32.60	June 19	32.00	Aug. 20	30.65	Oct. 15	30.24
May 7	32.42						

7-12-28ab. (MB C) 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: 1946-58. May 6, 32.09.

7-13-15da. (MB C) 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: 1946-58. Feb. 21, 38.58; May 6, 37.86.

7-14-6cb. (MB C) J. A. Guttery. Drilled stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 29 feet, tile casing.



Measuring point, top east side of surface board platform, 0.40 foot above lsd. Highest water level 19.97 below lsd, Aug. 27, 1951; lowest 24.89 below lsd, Dec. 19, 1956. Records available: 1946-58. Feb. 21, 24.45. Measurement discontinued.

7-14-10dd. (MB C) 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 35.64 below lsd, Mar. 12, 1957. Records available: 1946-58. Feb. 21, 31.10.

7-15-8cc. (MB C) 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: 1946-58. Feb. 21, 23.15; May 6, 22.79.

7-15-12dc. (MB C) 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: 1946-58. Feb. 21, 20.06; May 6, 9.27.

#### PAWNEE COUNTY

7 (C) Ralph Lupfer. NE $\frac{1}{4}$  NE $\frac{1}{4}$  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: 1940-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	30.89	Apr. 22	29.95	July 22	28.76	Oct. 21	25.52
Feb. 5	30.80	May 20	29.68	Aug. 20	26.03	Nov. 20	25.78
Mar. 17	29.68	June 18	29.55	Sept. 18	25.40	Dec. 22	25.60

8. (C) F. B. Reed. NW $\frac{1}{4}$  NW $\frac{1}{4}$  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: 1940-58.

Jan. 14	14.22	May 20	13.63	Aug. 20	8.86	Nov. 20	11.20
Feb. 5	13.68	June 18	13.68	Sept. 18	10.90	Dec. 22	11.58
Apr. 22	14.91	July 22	14.37	Oct. 21	11.46		

#### PHILLIPS COUNTY

1-19-19cc. (MB C) Al Skelton. Dug stock water-table well in Ogallala Formation, diameter 10 to 8 feet, depth 33 feet. Measuring point, top of board platform at west side of manhole, 0.40 foot above lsd. Highest water level

11.38 below lsd, Oct. 23, 1951; lowest 26.01 below lsd, Nov. 19, 1950. Records available: 1947-55. Measurement discontinued.

4-16-34bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58. Feb. 21, 29.76; May 7, 30.20.

4-16-36aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	27.97	May 7	27.53	July 18	26.72	Sept. 17	26.05
Feb. 21	26.13	19	27.60	Aug. 19	26.34	Oct. 14	25.93
Apr. 16	27.62	June 18	27.30				

4-18-30ab. (MB C) Sutley Estate. Dug unused water-table well in alluvium, depth 37 feet. Measuring point, top of curb, 0.20 foot above lsd. Highest water level 4.76 below lsd, July 25, 1951; lowest 25.40 below lsd, Mar. 12, 1957. Records available: 1945-53, 1955-57. Measurement discontinued.

4-19-35ab. (MB C) 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: 1946-58. Feb. 21, 13.10; May 7, 14.64.

4-20-21cc. (MB C) 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 49.33 below lsd, Nov. 14, 1957. Records available: 1946-58. Feb. 21, 49.21; May 7, 48.78.

#### 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: 1951-58. Mar. 25, 13.60; Apr. 24, 13.17; July 23, 12.50; Oct. 20, 12.58.

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: 1951-58. Mar. 24, 90.06; Apr. 24, 90.54; July 22, 89.89; Oct. 22, 89.84.

#### 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: 1952-58. Feb. 18, 116.17; Apr. 16, 116.10; July 16, 116.08; Oct. 16, 116.09.

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. Feb. 18, 192.40; Apr. 16, 192.20; July 16, 194.05; Oct. 17, 194.17.

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: 1952-58. Feb. 19, 184.72; Apr. 16, 184.48; July 16, 184.46; Oct. 16, 184.50.

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 88.42 below lsd, Feb. 13, 1957. Records available: 1952-58. Feb. 19, 88.18; Apr. 16, 88.19; Oct. 17, 88.23.

#### REPUBLIC COUNTY

1-5-7bb. (MB C) U.S.G.S. Driven and drilled observation water-table 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 2.75 below lsd, Sept. 9, 1958; lowest 9.62 below lsd, Mar. 28, 1956. Records available: 1947-58. Jan. 3, 8.04; May 6, 6.61; July 7, 7.29; Sept. 9, 2.75.

1-5-7cb. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits 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 15.38 below lsd, July 24, 1951; lowest 23.13 below lsd, Apr. 24, 1957. Records available: 1947-58. Jan. 3, 21.05; May 6, 19.95; July 7, 20.00; Sept. 9, 18.44.

1-5-8cb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  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: 1955-58. May 6, 7.48; July 7, 8.71; Sept. 9, 4.97.

1-5-8dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1950-58. July 7, 4.04; Sept. 9, 1.36.

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. Jan. 27, 23.02; Sept. 11, 20.09.

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. Jan. 27, 6.62.

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: 1950-58. May 6, 10.39; Sept. 9, 9.47.

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 5.33 below lsd, Sept. 9, 1958; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-58. May 6, 5.41; July 7, 7.63; Sept. 9, 5.33.

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: 1955-58. Jan. 3, 22.65; May 6, 22.25; July 7, 22.33; Sept. 9, 22.25.

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 47.63 below lsd, Sept. 9, 1958; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-58. Jan. 3, 49.50; May 6, 49.21; July 7, 48.78; Sept. 9, 47.63.

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: 1955-58. May 6, 79.29; July 7, 78.72; Sept. 9, 67.90.

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 26.74 below lsd, Sept. 9, 1958; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-58. Jan. 3, 30.30; May 6, 30.32; July 7, 30.04; Sept. 9, 26.74.

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 30.09 below lsd, Sept. 9, 1958; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-58. Jan. 3, 32.23; May 6, 31.74; July 7, 32.13; Sept. 9, 30.09.

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 36.62 below lsd, Sept. 9, 1958; lowest 43.10 below lsd, Sept. 1, 1955. Records available: 1955-58. May 6, 37.73; July 7, 38.00; Sept. 9, 36.62.

1-5-21cc. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.26 below lsd, Sept. 9, 1958; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-58. May 6, 18.92; July 7, 18.88; Sept. 9, 16.26.

1-5-28aa. (MB) U.S.G.S. Jetted observation water-table well in terrace

deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 13.50 below lsd, Aug. 6, 30, Dec. 4, 1951; lowest dry, June 16, 1955. Records available: 1950-57. Measurement discontinued.

1-5-32-cc. (MB) Fred Morlan. Dug observation water-table well in sand and gravel of Pleistocene age, diameter 36 inches, depth 27 feet. Measuring point, edge of brick casing, at land surface. Highest water level 7.75 below lsd, Sept. 9, 1958; lowest 15.36 below lsd, Mar. 28, 1956. Records available: 1953-58. May 6, 8.55; July 7, 9.09; Sept. 9, 7.75.

1-5-34-bb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1949-58. May 6, 17.36; July 7, 14.90; Sept. 9, 7.85.

2-4-18cc. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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. Jan. 27, 18.17.

2-4-18dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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. Jan. 27, 31.50.

2-4-31aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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. Jan. 27, 8.09.

2-4-32cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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. Jan. 26, 8.10.

2-5-2ba. (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, 1.00 foot above lsd. Highest water level 6.00 below lsd, Aug. 6, 1951; lowest dry, Jan. 27, 1958. Records available: 1950-56, 1958. Jan. 27, dry. Measurement discontinued.

2-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 13.69 below lsd, May 8, 1958; lowest 18.07 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 16.25; May 8, 13.69; July 14, 14.87; Sept. 11, 13.73.

2-5-6bbb. (MB) Owner unknown. Drilled well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1955-58. Jan. 3, 40.30; May 6, 40.25; July 7, 40.05; Sept. 9, 40.04.

2-5-6dd. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 46 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 18.72 below lsd, Sept. 11, 1958;

lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-58. Feb. 19, 21.81; May 8, 20.88; July 14, 20.93; Sept. 11, 18.72.

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 21.37 below lsd, Sept. 9, 1958; lowest 23.80 below lsd, June 7, 1956. Records available: 1955-58. Jan. 3, 23.73; May 6, 23.78; July 7, 23.68; Sept. 9, 21.37.

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 24.13 below lsd, May 8, 1958; lowest 28.21 below lsd, May 8, 1957. Records available: 1956-58. Feb. 19, 26.40; May 8, 24.13; July 14, 24.44; Sept. 11, 24.59.

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 15.10 below lsd, Mar. 29, 1956; lowest 16.34 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 16.34; May 8, 15.23; July 14, 15.50; Sept. 11, 15.15.

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 10.24 below lsd, May 8, 1958; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-58. Feb. 19, 14.49; May 8, 10.24; July 14, 12.03; Sept. 11, 10.39.

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 31.08 below lsd, Sept. 11, 1958; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-58. Feb. 19, 32.69; May 8, 32.22; July 14, 31.65; Sept. 11, 31.08.

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 28.90 below lsd, July 14, 1958; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-58. Feb. 19, 29.67; May 8, 28.91; July 14, 28.90; Sept. 11, 28.98.

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 8.55 below lsd, May 8, 1958; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-58. Feb. 19, 11.14; May 8, 8.55; July 14, 9.80; Sept. 11, 9.54.

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 8.40 below lsd, Sept. 5, 1957; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 11.99; May 8, 10.38; July 14, 10.19.

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: 1956-58. Feb. 19, 17.38; May 8, 15.63; July 14, 15.42; Sept. 11, 14.73.

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 4.79 below lsd, May 12, 1958; lowest 11.33 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 11.33; May 12, 4.79; July 14, 6.15; Sept. 11, 5.24.

2-5-20aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 21.03 below lsd, May 8, 1958; lowest 25.65 below lsd, Sept. 20, 1956. Records available: 1956-58. Feb. 19, 23.24; May 8, 21.03; July 14, 22.35; Sept. 11, 21.45.

2-5-20dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.19 below lsd, Sept. 11, 1958; lowest 17.14 below lsd, Nov. 8, 1956. Records available: 1956-58. Feb. 19, 14.60; May 8, 11.45; July 18, 12.93; Sept. 11, 10.19.

2-5-21aa. (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 23.88 below lsd, Mar. 29, 1956; lowest 25.83 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 25.83; May 8, 25.35; July 14, 25.12; Sept. 11, 25.15.

2-5-23dd. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  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: 1950-58. Feb. 19, 7.67; May 8, 6.80; July 14, 6.82; Sept. 11, 5.27.

2-5-27aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 59 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 33.33 below lsd, Sept. 11, 1958; lowest 34.94 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 34.94; May 8, 34.28; July 14, 34.13; Sept. 11, 33.33.

2-5-27cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 48 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 27.48 below lsd, Sept. 11, 1958; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-58. May 12, 27.70; July 18, 27.89; Sept. 11, 27.48.

2-5-28aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 14.26 below lsd, May 8, 1958; lowest 19.57 below lsd, Feb. 20, 1957. Records available: 1956-58. Feb. 19, 17.04; May 8, 14.26; July 14, 15.30; Sept. 11, 15.43.

2-5-28cc. (MB) U.S.B.R. Drilled observation well, 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, Mar. 29, 1956; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-58. May 12, 14.54; July 18, 14.37; Sept. 11, 14.37.

2-5-30aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  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: 1956-58. Feb. 19, 22.95; May 12, 19.48; July 14, 21.35; Sept. 9, 21.60.

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 20.74 below lsd, Sept. 11, 1958; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-58. May 12, 22.22; July 14, 21.75; Sept. 11, 20.74.

2-5-31dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ 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. Feb. 19, 23.20; May 12, 21.65; July 18, 21.12.

2-5-35bb. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 70 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 34.55 below lsd, Mar. 29, 1956; lowest 35.93 below lsd, Mar. 21, 1957. Records available: 1956-57. Measurement discontinued.

2-5-35dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 37.95 below lsd, Sept. 11, 1958; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-58. July 18, 38.89; Sept. 11, 37.95.

2-5-36ab. (MB) U.S.G.S. Jetted observation well in alluvium, diameter ¾ 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. Jan. 27, 22.30.

3-4-17bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ 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: 1950-58. Feb. 19, 7.98; May 12, 6.80; July 22, 5.78; Sept. 24, 4.54.

3-4-17cc. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ 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: 1950-58. Feb. 19, 7.50; May 12, 6.70.

3-4-28ab. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ 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. Jan. 27, 28.22; Sept. 11, 27.05.

3-4-29ab. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ 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. Jan. 27, 9.18.

3-4-30ba. (MB) U.S.B.R. Drilled observation well, diameter 1¼ 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: 1956-58. Feb. 19, 43.55; May 12, 43.09; July 22, 41.03; Sept. 24, 40.60.

3-4-32cc. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ 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: 1950-58. Feb. 19, 6.85; May 12, 6.55; July 22, 6.34; Sept. 24, 6.08.

3-5-1ab. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ 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: 1950-58. Feb. 19, 12.25; July 18, 10.95.

3-5-2ba. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.90 below lsd, Sept. 11, 1958; lowest 20.65 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 20.65; May 12, 18.79; July 18, 18.81; Sept. 11, 17.90.

3-5-3aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 16.45 below lsd, July 12, 1956; lowest 18.81 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 18.81; May 12, 18.24; Sept. 11, 17.62.

3-5-3cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.48 below lsd, May 9, 1956; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-58. Feb. 19, 27.05; May 12, 25.53; July 18, 26.26; Sept. 11, 25.85.

3-5-4aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 47 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 23.83 below lsd, May 9, 1956; lowest 25.47 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 25.47; May 12, 24.98; July 18, 24.95; Sept. 11, 23.86.

3-5-5aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 11.82 below lsd, Sept. 9, 1958; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 15.92; May 12, 14.11; July 18, 14.10; Sept. 9, 11.82.

3-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 55 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.81 below lsd, July 18, 1958; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-58. Feb. 19, 23.52; May 12, 20.39; July 18, 18.81; Sept. 11, 19.02.

3-5-6dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 17.33 below lsd, Sept. 11, 1958; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-58. Feb. 19, 20.45; May 12, 18.45; July 18, 18.56; Sept. 11, 17.33.

3-5-8cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 15.70 below lsd, Sept. 23, 1958; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-58. Feb. 19, 19.60; May 12, 17.84; July 18, 17.10; Sept. 23, 15.70.

3-5-9dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 18.93 below lsd, Sept. 23, 1958; lowest 23.78 below lsd, Feb. 20, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 23.15; May 12, 19.96; July 18, 19.68; Sept. 23, 18.93.

3-5-10aa. (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 24.36 below lsd, Mar. 29, 1956; lowest 26.49 below lsd, Feb. 19, 1958.

Records available: 1956-58. Feb. 19, 26.49; May 12, 26.43; July 18, 26.39; Sept. 9, 26.05.

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: 1950-58. May 12, 16.30; July 18, 15.89; Sept. 23, 13.79.

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: 1950-58. Feb. 19, 26.24; May 12, 26.99; July 18, 23.30; Sept. 23, 22.20.

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 17.88 below lsd, Sept. 23, 1958; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 19.90; May 12, 18.84; July 18, 19.08; Sept. 23, 17.88.

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 17.41 below lsd, Sept. 11, 1958; lowest 20.37 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 20.37; May 12, 19.68; July 18, 19.19; Sept. 11, 17.41.

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 26.25 below lsd, Sept. 23, 1958; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 28.78; May 12, 27.88; July 18, 26.70; Sept. 23, 26.25.

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 17.80 below lsd, Sept. 23, 1958; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 19.48; May 12, 18.34; July 18, 18.36; Sept. 23, 17.80.

3-5-13dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 43 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 35.60 below lsd, Mar. 29, 1956; lowest dry, entire year of 1957 and 1958. Records available: 1956-58. Measurement discontinued.

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 25.89 below lsd, July 18, 1958; lowest 27.52 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 27.52; May 12, 26.87; July 18, 25.89; Sept. 23, 25.99.

3-5-16bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 67 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 26.65 below lsd, Sept. 23, 1958; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 31.46; May 12, 30.37; July 18, 29.83; Sept. 23, 26.65.

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 26.20 below lsd, Sept. 23, 1958; lowest 30.16 below lsd, Feb. 20, 1957.

Records available: 1956-58. Feb. 19, 29.48; May 12, 29.25; July 18, 27.77; Sept. 23, 26.20.

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: 1949-58. July 18, 7.43; Sept. 23, 0.70.

3-5-18-cd. (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 11.28 below lsd, Sept. 23, 1958; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-58. Feb. 19, 16.68; May 12, 13.65; July 18, 13.49; Sept. 23, 11.28.

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 21.62 below lsd, Sept. 23, 1958; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-58. Feb. 19, 23.28; May 12, 22.42; July 18, 22.19; Sept. 23, 21.62.

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: 1956-58. Feb. 19, 25.59; May 12, 23.48; July 18, 23.21; Sept. 23, 21.68.

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 20.05 below lsd, Mar. 29, 1956; lowest dry, entire year of 1957. Records available: 1956-58. July 22, 21.27.

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 22.88 below lsd, Sept. 24, 1958; lowest 27.99 below lsd, Feb. 19, 1958. Records available: 1956-58. Feb. 19, 27.99; May 12, 27.28; July 22, 23.69; Sept. 24, 22.88.

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: 1949-58. May 12, 15.39; July 22, 12.76; Sept. 24, 11.49.

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 23.12 below lsd, Sept. 24, 1958; lowest dry, May 8, 1957. Records available: 1956-58. Feb. 19, 28.54; May 12, 27.38; July 22, 24.75; Sept. 24, 23.12.

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 15.85 below lsd, Sept. 24, 1958; lowest 23.56 below lsd, June 6, 1956. Records available: 1956-58. Feb. 19, 21.65; May 12, 16.90; July 22, 16.30; Sept. 24, 15.85.

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 21.32 below lsd, Sept. 24, 1958; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-58. May 12, 21.87; July 22, 21.47; Sept. 24, 21.32.

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 10.86 below lsd, Sept. 24, 1958; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-58. Feb. 19, 17.99; May 12, 15.55; July 22, 12.78; Sept. 24, 10.86.

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. Jan. 27, 20.55.

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. Jan. 27, 12.76; Sept. 11, 7.75.

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. Jan. 27, 6.60.

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 50.23 below lsd, Nov. 8, 1956; lowest 51.37 below lsd, Sept. 5, 1957. Records available: 1956-58. Mar. 4, 51.15; May 12, 51.08; July 22, 51.05; Sept. 24, 51.32.

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 7.34 below lsd, Mar. 27, 1956. Records available: 1950-56, 1958. Jan. 27, 4.24; Sept. 11, 2.40.

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. Jan. 27, 17.09; Sept. 11, 13.35.

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: 1950-56, 1958. Jan. 27, 9.04.

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. Jan. 27, 9.09; Sept. 11, 3.55.

4-4-29cb. (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, 1.00 foot above lsd. Highest water level 13.40 below lsd, July 3, 1951; lowest dry, Feb. 19, 1957. Records available 1950-57. Measurement discontinued.

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: 1949-58. May 12, 35.90; July 22, 35.16; Sept. 24, 35.16.

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 27.22 below lsd, Sept. 24, 1958. Records available: 1956-58. Mar. 4, 25.76; May 12, 25.75; July 22, 26.45; Sept. 24, 27.22.

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 21.87 below lsd, Sept. 24, 1958; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-58. Mar. 4, 24.83; May 12, 23.66; July 22, 22.51; Sept. 24, 21.87.

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 12.65 below lsd, July 22, 1958; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-58. Mar. 4, 16.26; May 12, 13.16; July 22, 12.65; Sept. 24, 13.36.

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 16.58 below lsd, Sept. 24, 1958; lowest dry, Feb. 20, 1957. Records available: 1956-58. Mar. 4, 20.29; May 12, 18.69; July 22, 17.44; Sept. 24, 16.58.

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: 1956-58. Mar. 4, 14.98; May 12, 13.59; July 22, 13.13; Sept. 24, 13.81.

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 12.57 below lsd, May 12, Sept. 24, 1958; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-58. Mar. 4, 14.43; May 12, 12.57; July 22, 12.99; Sept. 24, 12.57.

4-5-14aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 15.33 below lsd, Mar. 29, 1956; lowest 18.34 below lsd, Nov. 8, 1956. Records available: 1956. Measurement discontinued.

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 22.93 below lsd, July 22, 1958; lowest 28.88 below lsd, Mar. 21, 1957. Records available: 1956-58. Mar. 4, 25.40; May 12, 23.49; July 22, 22.93; Sept. 24, 23.10.

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 2.44 below lsd, Sept. 24, 1958; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-58. Mar. 4, 3.28; May 12, 3.32; July 22, 2.79; Sept. 24, 2.44.

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 18.23 below lsd, Sept. 25, 1958; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-58. Mar. 4, 19.03; May 12, 18.43; July 22, 18.47; Sept. 25, 18.23.

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 19.05 below lsd, May 9, 1956; lowest dry, May 8, 1957. Records available: 1956-58. Mar. 4, 20.72; May 12, 19.10; July 22, 19.10; Sept. 24, 19.21.

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: 1956-58. Mar. 4, 9.08; May 12, 7.20; July 22, 6.89; Sept. 25, 6.29.

#### 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 23.44 below lsd, Oct. 20, 1958; lowest 31.76 below lsd, Apr. 10, 1957. Records available: 1957-58. 1957: Apr. 10, 31.76; June 16, 27.40; Oct. 9, 27.69; 1958: Jan. 15, 26.85; Apr. 22, 25.17; July 22, 24.19; Oct. 20, 23.44.

18-20-23cd. (C) Owner unknown. Unused water-table well in Niobrara Chalk, 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 33.22 below lsd, July 22, 1958; lowest 35.94 below lsd, Jan. 22, 1957. Records available: 1954-58. Jan. 15, 35.15; Apr. 22, 34.64; July 22, 33.22; Oct. 20, 33.54.

#### RUSSELL COUNTY

45. (C) Jacob Flegler. 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 18.08 below lsd, Apr. 15, 1958; lowest 24.28 below lsd, Aug. 20, 1941. Records available: 1941-58. Jan. 15, 19.93; Apr. 15, 18.08; July 14, 18.28; Oct. 15, 18.15.

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: 1941-58. Jan. 15, 5.00; Apr. 15, 4.22; July 14, 4.38; Oct. 15, 4.37.

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: 1941-58. Jan. 15, 120.20; Apr. 15, 120.37; July 14, 119.87; Oct. 15, 119.89.

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: 1941-58. Jan. 15, 6.39; Apr. 15, 4.43; July 14, 5.07; Oct. 15, 5.31.

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: 1941-58. Jan. 15, 14.67; Apr. 15, 13.70; July 14, 13.51; Oct. 15, 13.42.

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: 1941-58. Jan. 15, 6.33; Apr. 15, 4.85; July 14, 4.97; Oct. 15, 5.38.

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: 1941-58. Jan. 15, 19.03; Apr. 15, 18.20; July 14, 17.28; Oct. 15, 16.80.

## SALINE COUNTY

14-2-19cd. (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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	20.63	May 6	19.17	Aug. 13	18.89	Oct. 16	18.92
Feb. 12	19.50	June 12	18.00	Sept. 19	18.90	Nov. 19	18.88
Apr. 1	19.41	July 21	18.97				

14-2-30cd. (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, 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, 1955-58.

Jan. 3	13.21	May 6	9.99	Aug. 13	9.62	Oct. 16	11.63
Feb. 12	13.79	June 12	10.94	Sept. 19	10.95	Nov. 19	12.79
Apr. 1	12.12	July 21	9.69				

15-2-17cd. (MB C) U.S.G.S. Driven and drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1946-58.

Jan. 3	22.60	May 6	19.50	Aug. 13	19.37	Oct. 16	20.85
Feb. 12	23.15	June 12	20.66	Sept. 19	19.15	Nov. 19	21.60
Apr. 1	22.57	July 21	20.30				

15-2-18cd. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	23.77	May 6	20.98	Aug. 13	20.03	Oct. 16	21.79
Feb. 12	24.27	June 12	21.45	Sept. 19	21.30	Nov. 19	22.82
Apr. 1	23.75	July 21	20.96				

15-2-19bb. (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 11.34 below lsd, Feb. 26, 1952; lowest 25.45 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	22.11	May 6	21.50	Aug. 13	19.89	Oct. 16	19.78
Feb. 12	22.16	June 12	21.00	Sept. 19	19.50	Nov. 19	19.98
Apr. 1	22.00	July 21	20.19				

15-2-30dc. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits 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 6.56 below lsd, July 24, 1951; lowest 24.59 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	21.92	May 6	19.59	Aug. 13	18.90	Oct. 16	20.32
Feb. 15	22.23	June 12	19.87	Sept. 19	20.00	Nov. 19	20.88
Apr. 1	21.32	July 21	20.52				

15-2-31ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.23	May 6	17.46	Aug. 13	16.70	Oct. 16	16.43
Feb. 12	18.25	June 12	17.20	Sept. 19	16.50	Nov. 19	16.55
Apr. 1	17.76	July 21	17.02				

15-3-12ab. (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, 1.40 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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	21.14	May 6	20.19	Aug. 13	19.17	Oct. 16	19.12
Feb. 12	21.12	June 12	19.85	Sept. 19	19.15	Nov. 19	19.27
Apr. 1	20.81	July 21	19.23				



15-3-12dd. (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, 1.30 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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	22.16	May 6	20.50	Aug. 13	19.41	Oct. 16	20.30
Feb. 12	22.47	June 12	20.36	Sept. 19	20.10	Nov. 19	20.93
Apr. 1	21.95	July 21	20.00				

15-3-24dd. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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, 1955-58.

Jan. 3	21.91	May 6	20.76	Aug. 13	20.08	Oct. 16	20.15
Feb. 12	21.92	June 12	20.55	Sept. 19	20.96	Nov. 19	20.36
Apr. 1	21.36	July 21	20.32				

15-3-25ccd. (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, 2.50 feet above lsd. Highest water level 7.20 below lsd, Aug. 17, 1951; lowest dry, Mar. 18, 1957. Records available: 1950-53, 1955-57. Measurement discontinued.

15-3-36ab. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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, 1955-58.

Jan. 3	29.47	May 6	28.44	Aug. 13	28.46	Oct. 16	27.65
Feb. 12	29.30	June 12	28.12	Sept. 19	27.75	Nov. 19	27.59
Apr. 1	19.93	July 21	28.02				

16-2-7bb. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits 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 10.29 below lsd, July 24, 1951; lowest 23.35 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-58.

Jan. 3	20.52	May 6	19.33	Aug. 13	18.76	Oct. 16	19.30
Feb. 12	20.79	June 12	19.15	Sept. 19	19.05	Nov. 19	19.54
Apr. 1	20.25	July 21	19.15				

16-2-8ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	24.96	May 6	24.62	Aug. 13	24.40	Oct. 16	24.33
Feb. 12	24.77	June 12	24.54	Sept. 19	24.47	Nov. 19	24.66
Apr. 1	24.64	July 21	24.47				

16-2-18cc. (MB C) 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, 1955-58.

Jan. 3	24.64	May 6	19.95	Aug. 13	19.97	Oct. 16	22.55
Feb. 12	25.10	June 12	22.30	Sept. 19	22.76	Nov. 19	24.56
Apr. 1	23.12	July 21	20.27				

16-3-12bcb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ 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, 1955-58.

Jan. 3	14.25	May 6	11.00	Aug. 13	11.34	Oct. 16	12.20
Feb. 12	14.07	June 12	12.01	Sept. 19	11.40	Nov. 19	12.90
Apr. 1	9.91	July 21	12.19				

16-3-13aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ 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, 1955-58.

Jan. 3	22.02	May 6	22.00	Aug. 13	21.92	Oct. 16	21.90
Feb. 12	22.00	June 12	22.00	Sept. 19	21.90	Nov. 19	21.90
Apr. 1	22.00	July 21	21.97				

16-3-13cd. (MB C) 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, 1955-58.

Jan. 3	22.11	May 6	21.27	Aug. 13	20.35	Oct. 16	19.92
Feb. 12	22.58	June 12	20.89	Sept. 19	20.56	Nov. 19	21.47
Apr. 1	22.17	July 21	20.83				

16-3-26dcd. (MB C) 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: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.52	May 6	17.40	Aug. 13	17.06	Oct. 16	18.64
Feb. 12	20.00	June 12	17.50	Sept. 19	18.22	Nov. 19	19.39
Apr. 1	19.18	July 21	17.72				

16-3-33ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ 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, 1955-58.

Jan. 3	18.06	May 6	16.50	Aug. 13	16.89	Oct. 16	16.80
Feb. 12	18.02	June 12	16.55	Sept. 19	17.50	Nov. 19	16.84
Apr. 1	16.90	July 21	16.67				

#### 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: 1931-58. Recorder installed June 5.

Jan. 7	77.23	July 10	76.73	Sept. 5	80.16	Oct. 30	76.19
Feb. 4	77.04	15	76.37	10	79.42	Nov. 5	76.94
Apr. 2	77.02	20	76.67	15	78.52	10	78.16
May 11	76.97	25	76.53	20	78.00	15	78.77
June 5	76.82	30	76.41	25	77.72	20	78.14
10	76.84	Aug. 5	76.38	30	77.47	25	77.69
15	76.83	10	76.32	Oct. 5	77.31	Dec. 20	77.14
20	76.82	15	76.32	10	77.24	25	77.09
25	76.83	20	76.96	15	77.11	30	77.06
30	76.80	25	78.99	20	77.02		
July 5	76.78	30	79.72	25	77.03		

1A. (C) Division of Water Resources. NW¼ SW¼ sec. 3, T. 20 S., R. 33 W. Drilled observation water-table well in Ogallala Formation, diameter 7 inches, depth 69 feet. Measuring point, top south side of casing, 0.80 foot above lsd. Highest water level 53.42 below lsd, Aug. 16, 18, 1940; lowest dry, entire year of 1957. Records available: 1940-57. Measurement discontinued.

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: 1944-58.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.80	.....	43.16	42.86	42.56	41.81	41.08	.....	36.79	35.63	34.95	34.35
10	43.75	.....	43.11	42.84	.....	41.60	40.93	.....	36.59	35.58	34.70	34.26
15	43.72	.....	43.05	42.83	42.44	41.56	40.75	.....	36.37	35.35	34.49	34.14
20	43.63	43.37	43.02	42.72	42.33	41.42	40.31	37.41	36.12	35.19	34.65	34.04
25	43.55	43.25	42.98	42.78	42.17	41.34	.....	37.09	36.07	35.15	34.51	33.90
30	43.49	.....	42.96	42.61	41.97	41.13	.....	36.92	35.92	35.03	34.36	33.93

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, depth 71 feet. Measuring point, top of hole in pump base, 1.00 foot above lsd, Highest water level 43.38 below lsd, May 26, 1952; lowest 69.00 below lsd, Sept. 17, 1958. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	65.48	Apr. 2	62.24	July 14	58.01	Oct. 24	62.76
Feb. 4	63.43	May 11	60.92	Aug. 19	58.15	Nov. 14	66.20
Mar. 12	60.94	June 10	58.33	Sept. 17	69.00	Dec. 19	59.42

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 85.77 below lsd, Dec. 19, 1958; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-58.

Jan. 7	86.85	June 10	86.49	Sept. 19	86.10	Nov. 14	85.79
Apr. 2	86.52	July 14	86.30	Oct. 24	86.01	Dec. 19	85.77
May 1	86.60	Aug. 19	86.19				

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: 1937-58.

Jan. 1	18.26	Apr. 2	17.35	July 1	17.66	Oct. 24	16.43
24	18.34	24	17.38	24	16.32	Nov. 24	16.88
Feb. 4	18.40	May 2	17.41	Aug. 1	16.13	31	16.57
24	18.47	26	17.21	22	16.16	Dec. 1	16.97
Mar. 5	18.50	June 3	17.31	Sept. 3	16.53	24	17.22
24	17.75	24	17.30	Oct. 2	16.19		

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: 1937-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	13.25	Mar. 30	11.41	June 27	13.95	Oct. 3	12.28
15	13.29	Apr. 15	11.48	July 11	10.35	Oct. 31	13.22
30	13.20	May 1	12.09	Aug. 1	9.47	Nov. 14	13.41
Feb. 15	12.72	9	11.17	15	11.93	28	13.44
28	13.25	June 6	12.50	29	12.77	Dec. 4	13.42
Mar. 15	12.23	13	13.58	Sept. 5	12.96	19	12.97

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: 1954-58.

Jan. 1	6.21	Apr. 2	4.18	July 1	5.75	Oct. 2	3.35
Feb. 4	6.27	May 2	4.65	Aug. 1	4.25	31	4.12
Mar. 5	6.34	June 2	5.39	Sept. 2	4.80	Dec. 1	4.66

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: 1954-58.

Jan. 1	5.70	Apr. 2	3.49	July 1	6.17	Oct. 2	4.01
Feb. 4	5.68	May 2	4.83	Aug. 1	4.54	31	5.09
Mar. 5	5.55	June 2	5.86	Sept. 2	5.07	Dec. 1	5.20

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 21.53 below lsd, Apr. 1, May 1, 1957. Records available: 1954-58.

Jan. 1	18.94	Apr. 2	18.70	Aug. 1	19.10	Oct. 31	18.49
Feb. 4	19.02	May 2	18.37	Sept. 2	19.02	Dec. 1	18.80
Mar. 5	19.14	June 2	20.18	Oct. 2	18.49		

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: 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.33	Apr. 2	11.88	July 1	11.77	Oct. 2	10.69
Feb. 4	12.45	May 2	11.57	Aug. 1	11.08	31	10.80
Mar. 5	12.63	June 2	11.62	Sept. 2	11.17	Dec. 1	11.00

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 138 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: 1955-58.

Jan. 1	18.66	Apr. 2	16.90	July 1	18.27	Oct. 2	16.34
Feb. 4	18.76	May 2	17.89	Aug. 1	14.02	31	16.97
Mar. 5	18.90	June 2	17.94	Sept. 2	17.12	Dec. 1	17.24

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 131 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 5.86 below lsd, June 27, 1957; lowest 14.96 below lsd, Nov. 30, 1956. Records available: 1956-58.

Jan. 1	13.41	Apr. 2	10.94	July 1	12.82	Oct. 2	10.98
Feb. 4	13.50	May 2	12.29	Aug. 1	8.38	31	11.86
Mar. 5	13.47	June 3	12.30	Sept. 3	11.67	Dec. 1	12.32

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 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, at land surface. Highest water level 8.78 below lsd, Aug. 1, 1958; lowest 15.84 below lsd, Jan. 31, 1957. Records available: 1955-57.

Jan. 1	13.08	Apr. 2	10.36	July 1	12.38	Oct. 2	10.72
Feb. 4	13.22	May 2	11.80	Aug. 1	8.78	31	11.49
Mar. 5	13.19	June 3	12.00	Sept. 3	11.35	Dec. 1	11.88

307. (C) J. R. Clark. NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  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, 1.27 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, 1956-58.

Jan. 1	32.60	May 2	31.25	Aug. 1	31.08	Oct. 31	30.76
Feb. 4	31.95	June 3	31.78	Sept. 3	31.56	Dec. 1	30.51
Apr. 2	30.95	July 1	32.07	Oct. 2	31.20		

804. (C) City of Wichita. SE cor. SE $\frac{1}{4}$  sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3	4.14	May 1	2.63	Aug. 1	2.09	Oct. 2	2.36
Apr. 2	2.81	June 2	3.32	Sept. 3	2.39	Dec. 1	3.31

805. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 19, T. 26 S., R. 1 W. Driven 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, 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: 1938-58.

Feb. 4	5.09	May 2	4.14	Aug. 1	3.62	Oct. 2	3.58
Mar. 5	4.92	June 3	4.84	Sept. 3	3.98	Dec. 1	4.54

807. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 10, T. 26 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 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-58.

Feb. 4	23.37	May 2	22.75	Aug. 1	22.44	Oct. 2	22.08
Mar. 5	23.29	June 3	22.67	Sept. 3	22.42	Dec. 1	22.28

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: 1938-58.

Feb. 4	14.09	June 3	12.73	Aug. 1	11.97	Oct. 2	12.01
Mar. 5	14.06	July 1	13.07	Sept. 3	12.40	Dec. 1	12.46
May 2	12.79						

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: 1938-58.

Jan. 1	13.49	Apr. 2	11.30	July 1	12.94	Oct. 2	11.08
Feb. 4	13.58	May 2	12.31	Aug. 1	10.40	31	12.41
Mar. 5	13.61	June 3	12.40	Sept. 3	12.34	Dec. 1	12.89

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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	9.42	Apr. 2	8.56	July 1	8.35	Oct. 2	8.12
Feb. 4	9.48	May 2	8.60	Aug. 1	7.68	31	8.64
Mar. 5	10.53	June 3	8.74	Sept. 3	8.31	Dec. 1	8.33

812. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 27, 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, 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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.97	Apr. 2	10.39	July 1	12.07	Oct. 2	10.95
Feb. 4	13.11	May 2	11.55	Aug. 1	10.90	31	11.30
Mar. 5	13.22	June 3	11.80	Sept. 3	11.52	Dec. 1	11.65

814. (C) City of Wichita. SE cor. SE $\frac{1}{4}$  sec. 14, 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 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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	16.59	Apr. 2	16.44	July 1	16.23	Oct. 2	14.92
Feb. 4	16.74	May 2	16.21	Aug. 1	14.97	31	14.65
Mar. 5	16.78	June 3	16.13	Sept. 3	15.10	Dec. 1	14.68

815. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 17, 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 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: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	16.97	Apr. 2	16.85	July 1	16.50	Oct. 2	14.76
Feb. 4	17.17	May 2	16.42	Aug. 1	15.29	31	14.36
Mar. 5	17.35	June 3	16.30	Sept. 3	15.17	Dec. 1	15.14

816. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 7, 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 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: 1938-58.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	22.94	Apr. 2	22.74	July 1	22.34	Oct. 2	20.38
Feb. 4	22.95	May 2	22.47	Aug. 1	22.99	31	20.13
Mar. 5	23.04	June 3	22.39	Sept. 3	21.20	Dec. 1	20.60

825. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 3, 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 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-58.

Jan. 1	11.26	Apr. 2	9.45	July 1	10.94	Oct. 2	8.35
Feb. 4	11.30	May 2	9.42	Aug. 1	8.64	31	9.09
Mar. 5	11.37	June 3	9.69	Sept. 3	9.45	Dec. 1	9.45

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, 1955-58.

Jan. 1	13.03	Apr. 2	11.55	July 1	12.61	Oct. 2	9.39
Feb. 4	13.32	May 2	12.02	Aug. 1	8.06	31	10.47
Mar. 5	13.55	June 3	12.05	Sept. 3	10.59	Dec. 1	11.14

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: 1938-58. Dec. 1, 23.58.

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: 1938-58.

Feb. 4	9.99	June 3	9.03	Aug. 1	7.69	Oct. 2	7.92
Mar. 5	9.88	July 1	9.56	Sept. 3	9.04	Dec. 1	9.19
May 2	8.53						

840. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 9, T. 25 S., R. 2 W. Drilled well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 233 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 0.53 below lsd, Sept. 30, 1945; lowest 16.33 below lsd, Apr. 1, 1955. Records available: 1938-50, 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	13.08	Apr. 2	12.52	July 1	12.37	Oct. 2	10.02
Feb. 4	13.25	May 2	12.10	Aug. 1	10.99	31	10.40
Mar. 5	13.44	June 3	12.17	Sept. 3	11.22	Dec. 1	10.78

842. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 16, 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 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: 1939-58.

Jan. 1	6.93	Apr. 2	5.17	July 1	7.05	Oct. 2	4.61
Feb. 4	7.05	May 2	5.75	Aug. 1	5.60	31	5.50
Mar. 5	7.15	June 3	6.49	Sept. 3	6.23	Dec. 1	5.90

847. (C) City of Wichita. SW cor. SE $\frac{1}{4}$  sec. 6, T. 27 S., R. 1 E. 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 10.55 below lsd, May 8, 1944; lowest 18.87 below lsd, Oct. 1, 1956. Records available: 1939-58.

Feb. 4	17.04	June 3	16.19	Aug. 1	14.33	Oct. 2	16.01
Mar. 5	16.98	July 1	16.54	Sept. 3	16.02	Dec. 1	17.29
May 2	16.18						

870. (C) W. Williams. NW $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 25 S., R. 2 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1939-58.

Jan. 1	7.29	Apr. 2	5.46	July 1	7.26	Oct. 2	5.24
Feb. 4	7.23	May 2	5.80	Aug. 1	6.12	31	5.90
Mar. 5	7.34	June 3	6.61	Sept. 3	6.56	Dec. 1	6.29

1171. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 4, 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 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 22.17 below lsd, Apr. 2, 1957. Records available: 1950-58.

Feb. 4	19.95	May 2	18.84	Aug. 1	17.49	Oct. 31	16.90
Mar. 5	20.97	June 3	18.70	Sept. 3	17.55	Dec. 1	17.20
Apr. 2	19.49	July 1	18.85	Oct. 2	16.86		

1176. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  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: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	22.23	May 2	21.58	Aug. 1	19.39	Oct. 31	19.39
Mar. 5	22.32	June 3	21.49	Sept. 3	20.34	Dec. 1	19.30
Apr. 2	21.91	July 1	21.58	Oct. 2	19.28		

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: 1949-58.

Jan. 1	8.64	Apr. 2	6.16	July 1	8.39	Oct. 2	5.33
Feb. 4	8.68	May 2	6.96	Aug. 1	5.31	31	6.83
Mar. 5	8.76	June 3	7.85	Sept. 3	7.47	Dec. 1	7.30

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: 1950-58.

Jan. 1	14.22	Apr. 2	13.90	July 1	13.60	Oct. 2	12.92
Feb. 4	14.38	May 2	13.42	Aug. 1	12.80	31	12.10
Mar. 5	14.53	June 3	13.38	Sept. 3	12.30	Dec. 1	12.35

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, 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: 1953-58.

Jan. 1	11.14	Apr. 2	9.54	July 1	11.10	Oct. 2	9.44
Feb. 4	11.15	May 2	9.93	Aug. 1	10.02	31	10.24
Mar. 5	11.19	June 3	10.58	Sept. 3	10.53	Dec. 1	10.71

3044. (C) City of Wichita. SW cor. SW¼ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age. Measuring point at land surface. Highest water level 5.27 below lsd, Oct. 2, 1958; lowest 10.57 below lsd, Mar. 1, 1957. Records available: 1953-58.

Jan. 1	7.62	Apr. 2	5.72	July 1	7.45	Oct. 2	5.27
Feb. 4	7.76	May 2	6.22	Aug. 1	6.15	31	6.09
Mar. 5	7.85	June 3	6.92	Sept. 3	6.95	Dec. 1	6.66

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: 1954-58.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.54	18.66	18.81	18.25	17.83	17.89	17.94	17.27	.....	16.54	16.60	16.76
10	18.56	18.68	18.75	18.20	17.82	17.95	16.82	17.22	.....	16.46	16.63	.....
15	18.58	18.70	18.66	18.02	17.84	17.98	16.75	17.18	.....	16.50	16.65	.....
20	18.51	18.77	18.58	17.99	17.84	17.90	17.44	17.17	.....	16.56	.....	.....
25	18.04	21.76	18.50	17.96	17.84	17.91	17.38	17.20	.....	16.59	.....	.....
30	18.56	.....	18.37	17.92	17.89	17.94	17.30	17.20	.....	16.61	16.79	16.92

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 at land surface. Highest water level 6.47 below lsd, May 1, 1952; lowest 12.20 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	9.85	Mar. 5	10.13	Oct. 2	7.48	Dec. 1	8.45
Feb. 4	9.99	Apr. 2	8.91	31	8.19		

M-25b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 1, 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 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 31.67 below lsd, Apr. 1, 1957. Records available: 1939-58.

Jan. 2	30.03	May 1	30.26	Aug. 1	29.98	Oct. 31	28.23
31	30.38	June 2	30.30	Sept. 2	29.61	Dec. 1	27.38
Mar. 3	30.52	July 1	30.08	Oct. 2	29.55	31	27.68
Apr. 1	30.28						

M-27. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  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, 1949-58.

Jan. 2	67.50	May 1	61.00	Aug. 1	27.00	Oct. 31	59.00
31	64.00	June 2	59.00	Sept. 2	60.00	Dec. 1	60.50
Mar. 3	62.00	July 1	61.00	Oct. 2	28.00	31	80.00
Apr. 1	62.00						

M-27b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 3, T. 25 S., R. 2 W. 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: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.22	May 1	29.85	Aug. 1	28.79	Oct. 31	28.37
31	31.08	June 2	29.73	Sept. 2	29.20	Dec. 1	18.38
Mar. 3	28.97	July 1	29.88	Oct. 2	28.55	31	29.00
Apr. 1	30.45						

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, 1949-58.

Jan. 2	32.50	May 1	32.00	Aug. 1	31.00	Oct. 31	30.00
31	32.50	June 2	33.00	Sept. 2	66.00	Dec. 1	71.50
Mar. 3	34.00	July 1	82.00	Oct. 2	64.50	31	32.00
Apr. 1	33.00						

M-28b. (C) City of Wichita. NW¼ NE¼ sec. 2, T. 25 S., R. 2 W. 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: 1947-58.

Jan. 2	31.86	May 1	30.67	Aug. 1	30.25	Oct. 31	29.27
31	31.66	June 2	30.59	Sept. 2	30.49	Dec. 1	29.64
Mar. 3	31.54	July 1	30.79	Oct. 2	30.35	31	29.33
Apr. 1	31.08						

M-29. (C) City of Wichita. NW¼ NW¼ 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, 1949-58.

Jan. 2	53.00	May 1	28.00	Aug. 1	52.50	Oct. 31	52.00
31	29.50	June 2	52.50	Sept. 2	52.00	Dec. 1	53.00
Mar. 3	53.00	July 1	60.00	Oct. 2	67.00	31	54.00
Apr. 1	54.00						

M-29b. (C) City of Wichita. NW¼ NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	29.31	May 1	24.44	Aug. 1	27.95	Oct. 31	27.05
31	25.52	June 2	27.99	Sept. 2	27.51	Dec. 1	25.70
Mar. 3	29.09	July 1	28.36	Oct. 2	27.17	31	26.60
Apr. 1	28.00						

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, 1949-58.

Jan. 2	62.00	May 1	28.28	Aug. 1	60.00	Oct. 31	60.00
31	63.50	June 2	60.50	Sept. 2	60.00	Dec. 1	64.00
Mar. 3	60.00	July 1	60.50	Oct. 2	60.00	31	24.00
Apr. 1	25.00						

M-30b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, 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 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: 1947-58.

Jan. 2	30.82	May 1	26.90	Aug. 1	29.89	Oct. 31	28.80
31	29.85	June 2	29.87	Sept. 2	29.46	Dec. 1	28.53
Mar. 3	28.85	July 1	30.29	Oct. 2	28.11	31	25.10
Apr. 1	25.96						

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, 1949-58.

Jan. 2	60.00	May 1	32.00	Aug. 1	61.00	Oct. 31	61.50
31	30.00	June 2	60.00	Sept. 2	60.50	Dec. 1	62.00
Mar. 3	30.00	July 1	60.00	Oct. 2	61.00	31	62.00
Apr. 1	60.00						

M-31b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, 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 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: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	32.38	May 1	30.69	Aug. 1	32.02	Oct. 31	30.58
31	29.95	June 2	31.70	Sept. 2	31.64	Dec. 1	30.81
Mar. 3	29.42	July 1	32.10	Oct. 2	31.67	31	29.59
Apr. 1	29.53						

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, 1949-58.

Jan. 2	29.00	May 1	62.00	Aug. 1	28.00	Oct. 31	27.00
31	81.50	June 2	31.00	Sept. 2	28.00	Dec. 1	27.00
Mar. 3	61.00	July 1	29.00	Oct. 2	28.00	31	59.00
Apr. 1	61.50						

M-32b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, 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 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: 1947-58.

Jan. 2	29.02	May 1	29.51	Aug. 1	27.87	Oct. 31	26.58
31	29.20	June 2	29.45	Sept. 2	27.62	Dec. 1	26.49
Mar. 3	27.40	July 1	28.64	Oct. 2	27.20	31	26.91
Apr. 1	29.43						

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, Aug. 1, July 2, 1956. Records available: 1947, 1949-58.

Jan. 2	31.00	May 1	55.00	Aug. 1	29.00	Oct. 31	28.00
31	30.00	June 2	30.00	Sept. 2	56.00	Dec. 1	56.00
Mar. 3	57.00	July 1	58.00	Oct. 2	28.00	31	29.00
Apr. 1	57.00						

M-33b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 1, 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 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: 1947-58.

Jan. 2	26.03	May 1	26.12	Aug. 1	25.52	Oct. 31	24.04
31	26.19	June 2	25.99	Sept. 2	25.26	Dec. 1	24.03
Mar. 3	26.66	July 1	26.33	Oct. 2	24.84	31	23.81
Apr. 1	26.27						

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, 1949-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	56.00	May 1	58.00	Aug. 1	57.00	Oct. 31	56.00
Jan. 31	57.00	June 2	58.50	Sept. 2	64.50	Dec. 1	55.00
Mar. 3	56.00	July 1	57.50	Oct. 2	54.00	31	56.00
Apr. 1	56.50						

M-34b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, 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 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: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	27.92	May 1	28.12	Aug. 1	27.19	Oct. 31	25.86
31	28.05	June 2	28.05	Sept. 2	26.67	Dec. 1	24.79
Mar. 3	28.05	July 1	27.70	Oct. 2	26.06	31	25.70
Apr. 1	27.52						

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, 1949-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	52.00	May 1	54.00	Aug. 1	53.00	Oct. 31	52.00
31	54.00	June 2	54.00	Sept. 2	54.00	Dec. 1	52.00
Mar. 3	53.00	July 1	54.00	Oct. 2	50.00	31	52.00
Apr. 1	54.00						

M-35b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, 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 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: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	29.97	May 1	30.62	Aug. 1	29.41	Oct. 31	28.05
31	30.72	June 2	30.26	Sept. 2	28.67	Dec. 1	27.96
Mar. 3	30.44	July 1	30.27	Oct. 2	28.10	31	27.80
Apr. 1	30.54						

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: 1940-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	17.74	Apr. 1	17.62	July 9	17.67	Oct. 10	18.22
Feb. 12	17.73	May 13	17.66	Aug. 14	17.94	Nov. 6	18.04
Mar. 10	17.67	June 11	18.07	Sept. 15	18.23	Dec. 5	17.95

106. (C) Kansas City Life Insurance Co. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 8, T. 32 S., R. 34 W. Drilled unused water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 5 inches, depth 212 feet. Measuring point, high point on west southwest side of casing, 0.90 foot above lsd. Highest water level 204.55 below lsd, Jan. 11, 1954; lowest dry, Oct. 9, 1957. Records available: 1940-57. Measurement discontinued.

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: 1950-58.

Mar. 10	120.82	May 13	121.40	Oct. 10	122.87	Nov. 6	121.57
Apr. 1	120.93	Aug. 14	122.92				

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: 1956-58.

Jan. 6	177.56	Mar. 10	178.10	Apr. 1	177.63	Nov. 6	180.62
Feb. 12	178.09						

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 169.70 below lsd, Dec. 5, 1958. Records available: 1955-58.

Jan. 6	169.11	Apr. 1	169.19	Aug. 14	169.24	Nov. 6	169.53
Feb. 12	169.11	May 13	169.19	Oct. 10	169.64	Dec. 5	169.70
Mar. 10	169.29	July 9	169.18				

#### 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: 1950-58.

## Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.43	27.49	27.38	26.82	26.53	26.21	25.24	24.56	23.70	24.02	23.78	24.17
10	27.38	27.44	27.33	26.71	26.50	26.19	25.25	24.57	24.03	23.95	23.88	24.25
15	27.36	27.38	27.28	26.63	26.40	26.15	25.12	24.61	24.07	23.72	23.93	24.31
20	27.38	27.34	27.10	26.56	26.30	25.94	24.88	24.53	24.10	23.64	24.04	24.35
25	27.43	27.32	26.93	26.54	26.44	25.69	24.69	24.08	24.08	23.70	24.06	24.42
30	27.47	.....	26.77	26.54	26.33	25.36	24.65	23.96	24.02	23.74	24.14	24.50

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, 1957. No measurement made in 1958.

## 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, April 16, 1958. Records available: 1952-58. Feb. 18, 108.47; Apr. 16, 108.77; July 15, 108.56; Oct. 17, 108.55.

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 47.38 below lsd, April 16, 1958; lowest 49.03 below lsd, Nov. 26, 1956. Records available: 1952-58. Feb. 18, 47.87; Apr. 16, 47.38; July 15, 47.42; Oct. 17, 47.83.

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: 1952-58. Feb. 18, 51.21; Apr. 16, 50.52; July 15, 50.17; Oct. 17, 50.48.

## SHERMAN COUNTY

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 south side of casing, 0.40 foot above lsd. Highest water level 118.13 below lsd, Apr. 24, 1951; lowest 158.84 below lsd, Oct. 16, 1958. Records available: 1950-58. Jan. 7, 154.71; Apr. 16, 154.94; July 16, 158.09; Oct. 16, 158.84.

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 138.91 below lsd, Oct. 15, 1957. Records available: 1948-58. Jan. 7, 138.35; Apr. 16, 138.34; July 16, 138.61; Oct. 16, 138.84.

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: 1948-58. Jan. 8, 118.20; Apr. 16, 118.30; July 16, 118.41; Oct. 16, 118.28.

## SMITH COUNTY

4-14-34bc. (MB C) 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, 0.20 foot above lsd. Highest water level 39.49 below lsd, Dec. 10, 1951; lowest 45.37 below lsd, Mar. 22, 1951. Records available: 1945-58. Feb. 21, 41.65; May 7, 42.10.

4-14-34dd. (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, 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: 1951-58. Jan. 14, 29.50; Feb. 21, 29.79; May 7, 30.01.

4-15-31cb. (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, 1.60 feet above lsd. Highest water level 9.37 below lsd, Aug. 17, 1951; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	14.24	Apr. 16	14.20	July 18	13.52	Sept. 17	13.10
Feb. 21	14.31	May 19	13.70	Aug. 19	13.40	Oct. 14	13.15
May 7	13.83	June 18	13.30				

5-13-4dc. (MB C) 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: 1945-58. Feb. 21, 22.02; May 7, 20.22.

5-13-22bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58.

Feb. 21	11.10	May 19	10.68	July 18	10.48	Sept. 17	8.70
May 7	11.02	June 18	10.67	Aug. 19	8.77	Oct. 14	8.68
Apr. 16	10.70						

5-13-25dd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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 35.75 below lsd, Oct. 15, 1958. Records available: 1951-58.

Feb. 21	33.99	May 20	34.60	July 21	35.00	Sept. 19	35.20
May 7	34.70	June 19	34.85	Aug. 20	35.30	Oct. 15	35.75
Apr. 17	34.52						

5-13-34cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	23.30	Apr. 17	22.60	July 21	17.95	Sept. 19	17.78
Feb. 21	23.17	May 20	20.30	Aug. 20	18.28	Oct. 15	17.80
May 7	20.98	June 19	18.85				

5-13-35ad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 19.83 below lsd, Nov. 19, 1951; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-58.

Jan. 14	23.59	May 7	23.55	May 20	23.57	July 21	23.30
Feb. 21	23.63	Apr. 17	23.53	June 19	23.73	Aug. 20	22.35

5-14-1da. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1951-58.

Jan. 14	25.70	Apr. 16	25.61	July 18	25.08	Sept. 17	25.25
Feb. 21	25.85	May 19	25.35	Aug. 19	25.30	Oct. 14	24.40
May 7	25.74	June 18	25.55				

5-14-2ab. (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, 1.30 feet above lsd. Highest water level 9.47 below lsd, Sept. 18, 1957; lowest 22.25 below lsd, Apr. 18, 1957. Records available: 1951-58.

Jan. 14	12.20	May 7	18.32	June 18	17.69	Aug. 19	18.92
Feb. 21	16.96	19	18.10	July 18	17.60	Oct. 14	18.95
Apr. 16	18.05						

5-15-2dc. (MB C) 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: 1945-58. Feb. 21, 31.28; May 7, 30.60.

## 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 above

lsd, Aug. 29, Sept. 20, 1950; lowest dry, Jan. 21, 1957. Records available: 1942-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	5.68	May 20	2.29	Aug. 20	2.32	Nov. 20	2.34
Feb. 5	5.55	June 18	3.46	Sept. 18	2.30	Dec. 22	2.23
Apr. 23	1.77	July 22	2.40	Oct. 20	2.00		

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, 5½ feet above lsd. Highest water level 9.55 below lsd, Oct. 20, 1958; lowest 13.87 below lsd, Mar. 17, 1958. Records available: 1958.

Jan. 9	13.67	Mar. 17	13.87	June 18	11.90	Sept. 18	9.84
	14 12.82	Apr. 23	12.52	July 22	10.38	Oct. 20	9.55
Feb. 5	13.86	May 20	12.35	Aug. 20	9.74		

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: 1951-58.

Jan. 14	16.08	Apr. 23	14.86	July 24	11.73	Oct. 20	12.07
Feb. 5	16.36	May 20	14.36	Aug. 20	11.59	Nov. 20	12.29
Mar. 17	16.15	June 18	14.28	Sept. 18	11.83	Dec. 22	12.13

#### STANTON COUNTY

13. (C) Leah Carrithers. NE¼ SE¼ 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: 1939-58. Feb. 13, 47.13; May 14, 47.44; Aug. 14, 47.00; Nov. 6, 43.48.

93. (C) Glenn Arnold. NE¼ 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 180.65 below lsd, Nov. 16, 1949. Records available: 1939-58. Feb. 13, 177.40; Aug. 14, 177.69; Nov. 6, 179.57.

146. (C) C. M. Harrison. SW¼ SE¼ sec. 27, T. 30 S., R. 43 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 55 feet. Measuring point, hole on southwest side drilled in steel cylinder at land surface. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest 48.47 below lsd, Feb. 21, 1957. Records available: 1939-51, 1953-58. Feb. 13, 41.62; May 14, 40.68; Aug. 14, 42.63; Nov. 6, 48.20.

## STEVENS COUNTY

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: 1956-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	124.30	Apr. 3	123.47	July 4	125.80	Sept. 2	136.80
Feb. 4	124.10	May 7	123.80	Aug. 1	125.60	Nov. 6	132.63
Mar. 4	124.58	June 3	122.21				

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 137.25 below lsd, Aug. 21, 1956. Records available: 1942, 1953-58. 1942: Sept. 29, 130.95; 1953: Nov. 18, 121.71; 1954: Feb. 10, 121.84; 1955: Feb. 8, 122.59; 1956: Aug. 21, 137.25; 1957: Nov. 6, 125.66; 1958: Feb. 12, 121.11; May 13, 120.14; Aug. 14, 125.25; Nov. 6, 124.64.

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 84.20 below lsd, Nov. 16, 1958; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-58. Feb. 12, 86.62; May 13, 87.82; Nov. 16, 84.20.

## 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: 1954-58. Apr. 2, 9.00.

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. Apr. 2, 13.27.

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 $\frac{1}{2}$  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. Apr. 2, 10.19.

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. Apr. 2, 10.64.

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. Apr. 2, 10.30.

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. Apr. 2, 5.95.

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. Apr. 2, 6.68.

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. Apr. 2, 7.46.

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. Apr. 2, 8.87.

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. Apr. 2, 12.03.

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: 1954-58. Apr. 2, 8.10.

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: 1954-58. Apr. 2, 1.90.

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. Apr. 2, 5.55.

17. (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 33 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.80 below lsd, Sept. 1, 1954; lowest 17.32 below lsd, Dec. 18, 1956. Records available: 1954-57. Measurement discontinued.

18. (C) Fred Kersey. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 17, T. 30 S., R. 2 E. Bored obser-

vation 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. No measurement made in 1958.

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: 1954-58. Apr. 2, 7.52.

20. (C) Tom Morison. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 21, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 24 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.80 below lsd, June 6, 1957; lowest 10.23 below lsd, Sept. 25, 1954. Records available: 1954-57. Measurement discontinued.

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: 1954-58. Apr. 2, 2.55.

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. Apr. 2, 17.13.

23. (C) H. E. Zolter. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  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: 1954-58. Apr. 2, 7.44.

24. (C) M. Carl. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, 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, 3.50 feet above lsd. Highest water level 8.17 below lsd, June 6, 1957; lowest 14.83 below lsd, Dec. 19, 1956. Records available: 1954-58. Apr. 2, 8.65.

25. (C) Harold Martin. NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 30 S., R. 1 E. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 10.20 below lsd, Apr. 2, 1958; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-58. Apr. 2, 10.20.

#### THOMAS COUNTY

7. (C) City of Brewster. NW $\frac{1}{4}$  NE $\frac{1}{4}$  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: 1942-58. Jan. 7, 124.78; Apr. 16, 124.72; July 16, 125.42; Oct. 17, 124.60.

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 at land surface. Highest water level 108.46 below lsd, Jan. 18, 1958; lowest 116.50 below lsd, Jan. 12, 1958. Records available: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	112.33	Jan. 18	108.46	Apr. 16	111.93	Oct. 17	112.03
	12 116.50		19 112.23	July 16	111.79		

26. (C) Thomas A. Ryan, NE $\frac{1}{4}$  SE $\frac{1}{4}$  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 109.56 below lsd, July 31, 1956; lowest 118.83 below lsd, July 29, 1956. Records available: 1942-58.

Jan. 7	109.94	May 11	110.60	July 16	109.85	Oct. 17	109.83
Apr. 16	109.91		25 114.93	Aug. 10	110.10		

33. (C) Arch Ball, NW $\frac{1}{4}$  NW $\frac{1}{4}$  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, 1956-58. Oct. 17, 115.12.

#### TREGO COUNTY

14-21-33bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  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: 1950-58. Jan. 9, 16.48; May 6, 16.73; Aug. 5, 14.25.

14-22-26da. (MB C) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 50 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 1958.

14-22-36aa. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 74 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 27.20 below lsd, Feb. 3, 1958; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-58. Jan. 9, 27.21; Feb. 3, 27.20; May 6, 27.22; Aug. 5, 27.39.

#### 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: 1948-58. Jan. 8, 19.99; Apr. 16, 20.08; July 16, 20.10; Oct. 16, 20.19.

14-40-34ddd. (C) C. Popp. Drilled unused water-table well in Ogallala

Formation, diameter 6 inches, depth 91 feet. Measuring point, top west side of casing, 0.75 foot above lsd. Highest water level 82.20 below lsd, Apr. 24, 1956; lowest dry, June 5, 1958. Records available: 1948-58. Jan. 8, 90.64; June 5, dry. Measurement discontinued.

15-40-2bb. (C) Owner unknown. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 112 feet. Measuring point, hole in west side of pump, 1.60 feet above lsd. Highest water level 86.81 below lsd, June 25, 1958; lowest 86.91 below lsd, Sept. 8, 1958. Records available: 1958. June 25, 86.81; Sept. 8, 86.91; Dec. 15, 86.84.

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, 1953-58. Feb. 4, 111.62; Apr. 2, 111.14; June 5, 110.83, Dec. 15, 112.38.

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, 1953-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	81.95	June 5	84.10	Sept. 19	83.40	Dec. 15	81.08
Apr. 2	80.85						

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: 1947-58.

Feb. 4	94.38	June 5	94.35	Sept. 19	94.30	Dec. 15	94.96
Apr. 2	94.35						

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 1958.

WYANDOTTE COUNTY

101. (C) U.S.G.S. NW¼ SW¼ NW¼ sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1¼ 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 1958.

**REFERENCES**

- BAYNE, C. K. (1958) Ground-water resources of Elk County, Kansas: Kansas Geol. Survey, v. 14, p. 37-56.
- BECK, H. V. (1958) Geology and ground-water resources of Kansas River valley between Wamego and Topeka vicinity: Kansas Geol. Survey Bull. 135, p. 1-88.
- FISHEL, V. C., and MASON, B. J. (1957) Ground-water levels in observation wells in Kansas, 1956: Kansas Geol. Survey Bull. 125, p. 1-258.
- (1958) Ground-water levels in observation wells in Kansas, 1957: Kansas Geol. Survey Bull. 131, p. 1-152.