

**GROUND-WATER LEVELS IN
OBSERVATION WELLS
IN KANSAS, 1961**

**By
Margaret E. Broeker and V. C. Fishel**

**UNIVERSITY OF KANSAS PUBLICATION
STATE GEOLOGICAL SURVEY OF KANSAS**

BULLETIN 159

1962

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MARGARET E. BROEKER AND V. C. FISHEL

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.



Printed by Authority of the State of Kansas

Distributed from Lawrence

AUGUST, 1962

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GROUND-WATER LEVELS IN OBSERVATION WELLS IN KANSAS, 1961

By

MARGARET E. BROEKER AND V. C. FISHEL

ABSTRACT

Measurements of water levels in 873 wells in 78 counties in Kansas in 1961 are given in this report, which is the sixth 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 U.S. 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 66.27 inches at Grenola in southeastern Kansas to 12.84 inches at Elkader in western Kansas. Virtually all of the state received above-normal precipitation for the year.

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. This report is the sixth of the series and contains the water-level measurements of 873 wells made during 1961. The five reports that have been published are:

Year	State Geological Survey Bulletin	Year	State Geological Survey Bulletin
1956	125	1959	146
1957	131	1960	153
1958	141		

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

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

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

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

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

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

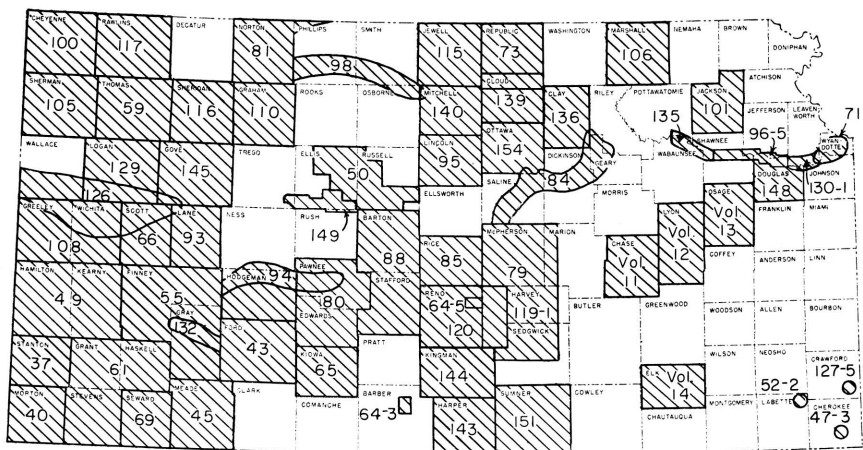


FIG. 1.—Areas in Kansas for which ground-water reports have been published as bulletins by the State Geological Survey. (Numbers on map correspond to bulletin numbers).

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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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 87 counties (Fig. 1). Reports published during 1961 described the ground-water resources of southern Ellis County and parts of Trego and Rush Counties (Leonard and Berry), Sumner County (Walters), and Ottawa County (Mack).

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

ACKNOWLEDGMENTS

Measurements of water levels by the Division of Water Resources include southwestern Kansas by Howard C. Corrigan and Paul F. Sweangen, south-central Kansas by Bruce W. Frisbie and Franklin J. Ellyson, northwestern and north-central Kansas by Harold C. Bennett, and eastern Kansas by Kenneth Burgett. The measurements for two

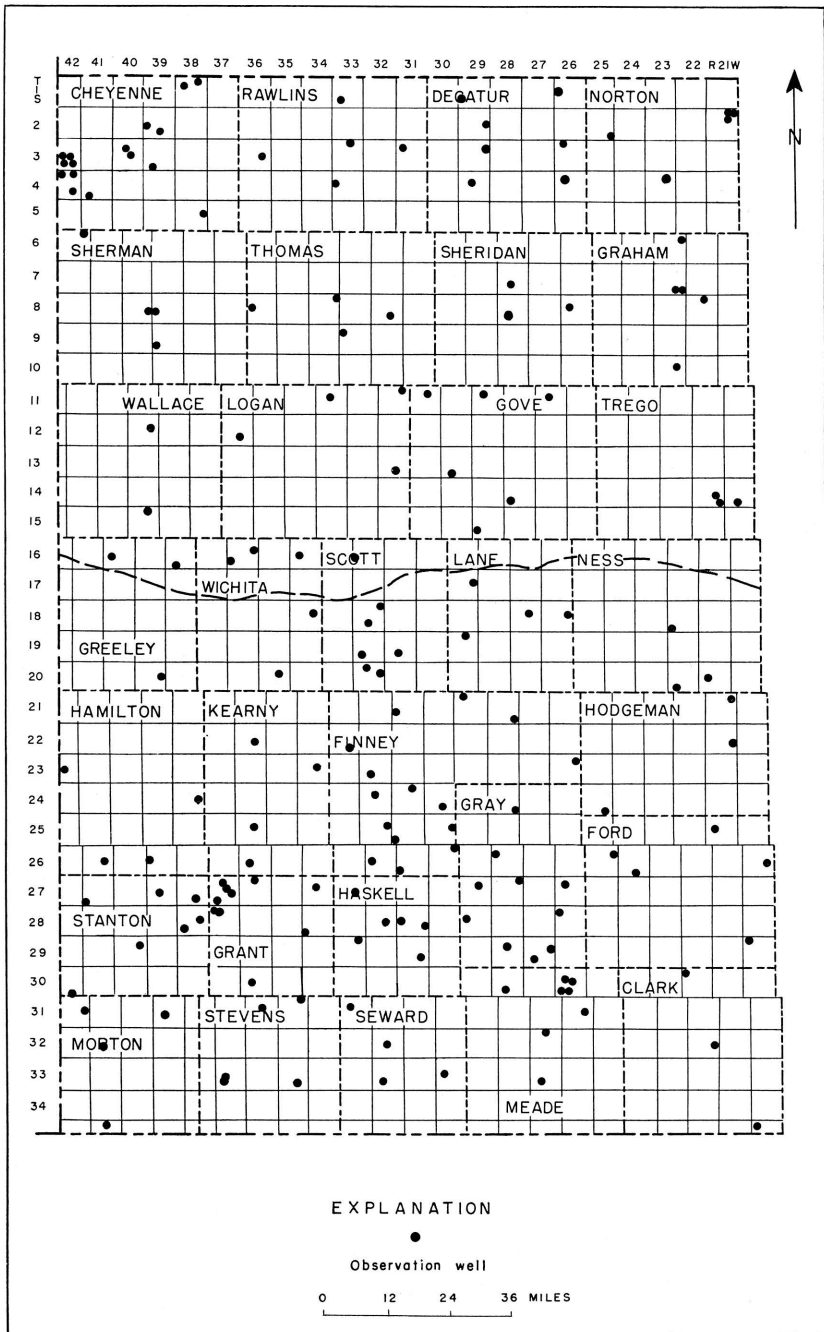


FIG. 2.—Observation wells in western Kansas, December 31, 1961. Dashed line separates Missouri Basin above from Arkansas Basin below.

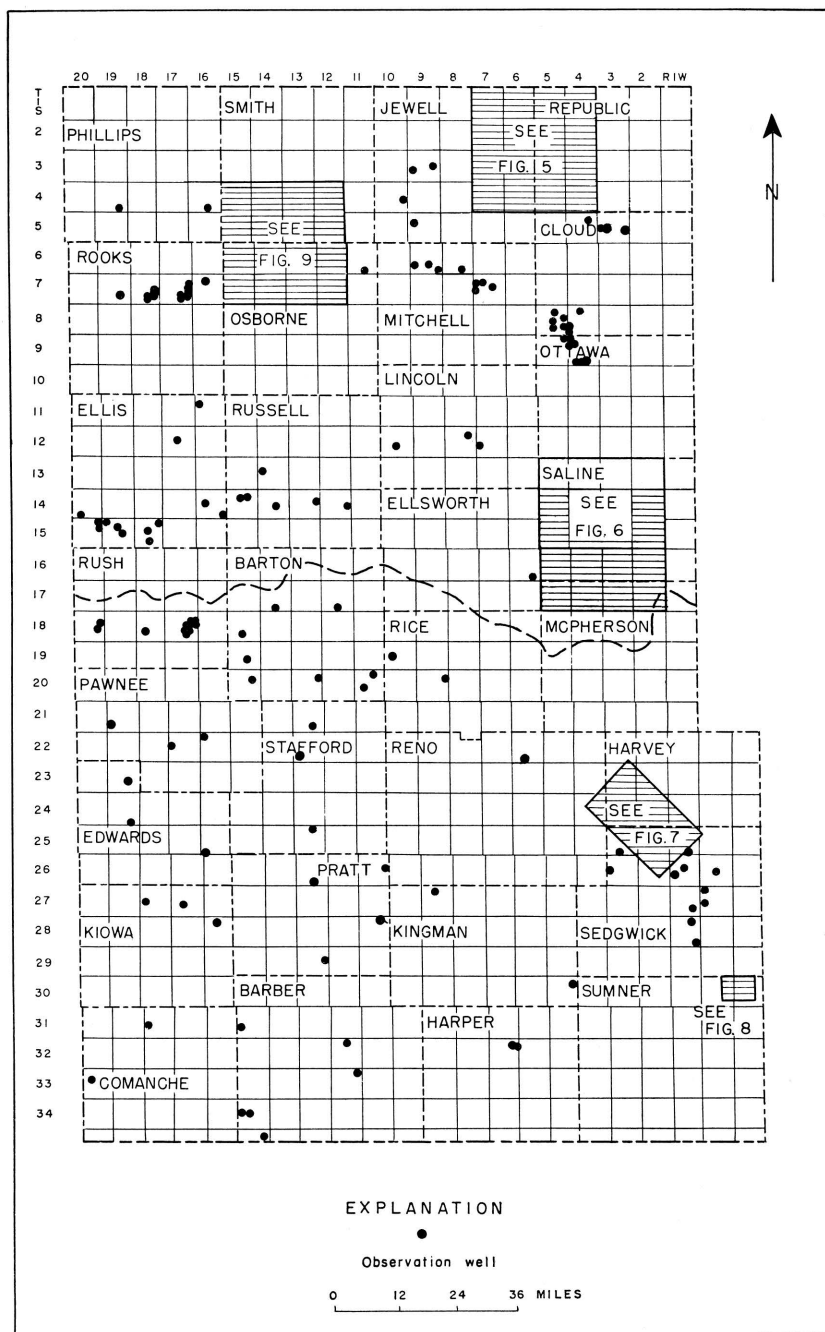


FIG. 3.—Observation wells in central Kansas, December 31, 1961. Dashed line separates Missouri Basin above from Arkansas Basin below.

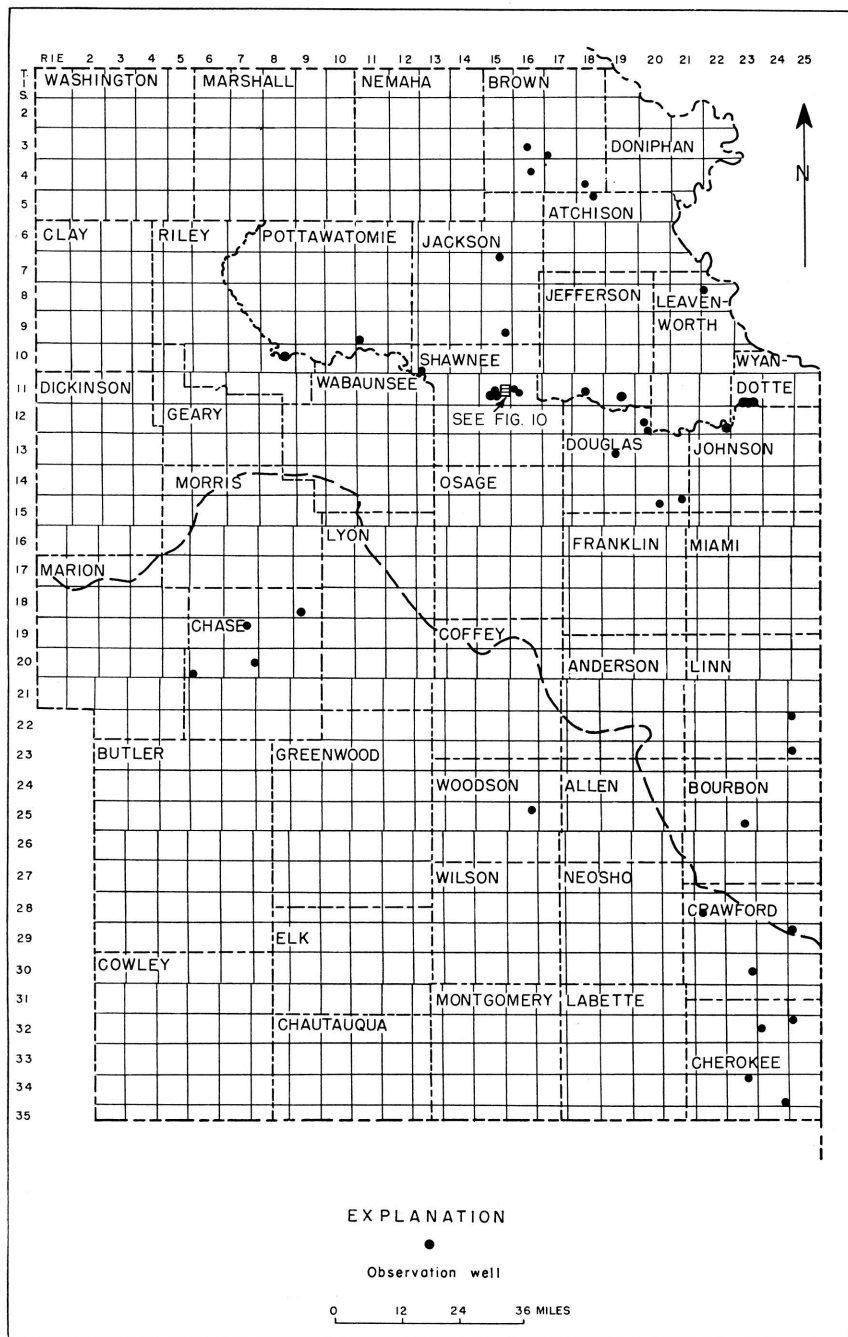


Fig. 4.—Observation wells in eastern Kansas, December 31, 1961. Dashed line separates Missouri Basin above from Arkansas Basin below.

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

SCOPE OF THE WATER-LEVEL PROGRAM

At the end of 1961 the water levels in 818 wells in 77 counties were being observed. During 1961, 20 wells were added to the observation-well network and measurements were discontinued in 55 wells. Eleven wells were equipped with continuous water-level recorders; some wells

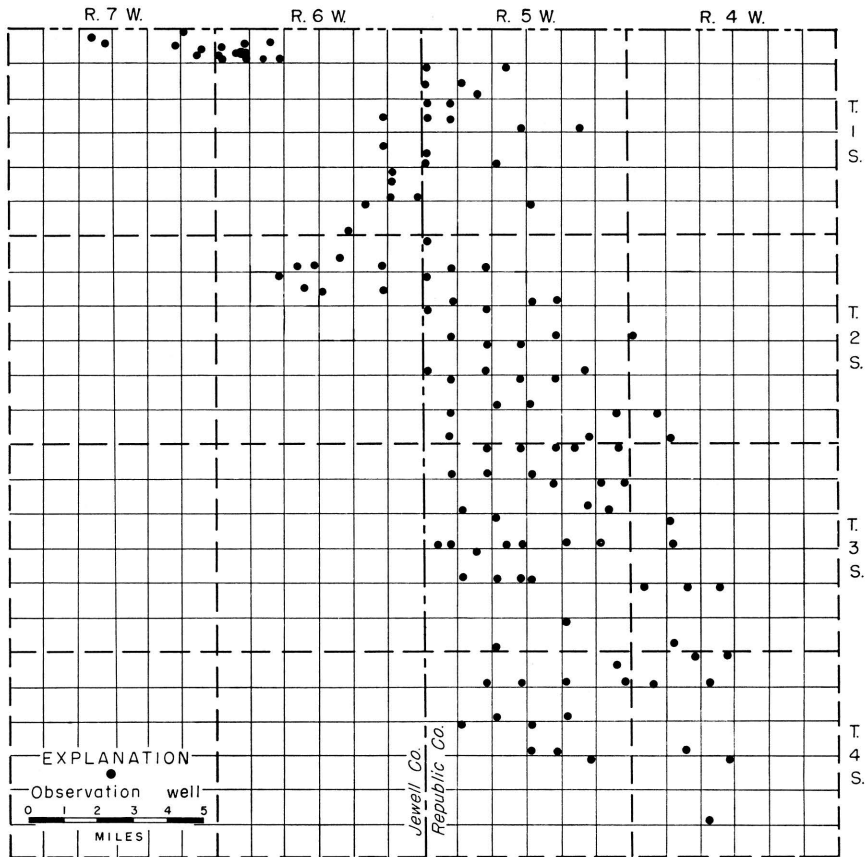


FIG. 5.—Observation wells in Bostwick unit in Jewell and Republic Counties, December 31, 1961.

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 through 10 inclusive. In five areas in central Kansas the wells are too closely spaced to show on the areal map in Figure 3; therefore, these areas are shown enlarged in Figures 5, 6, 7, 8, 9, and 10.

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 1961 are given in this report. The areas included in the Missouri Basin program are given in Table 3.

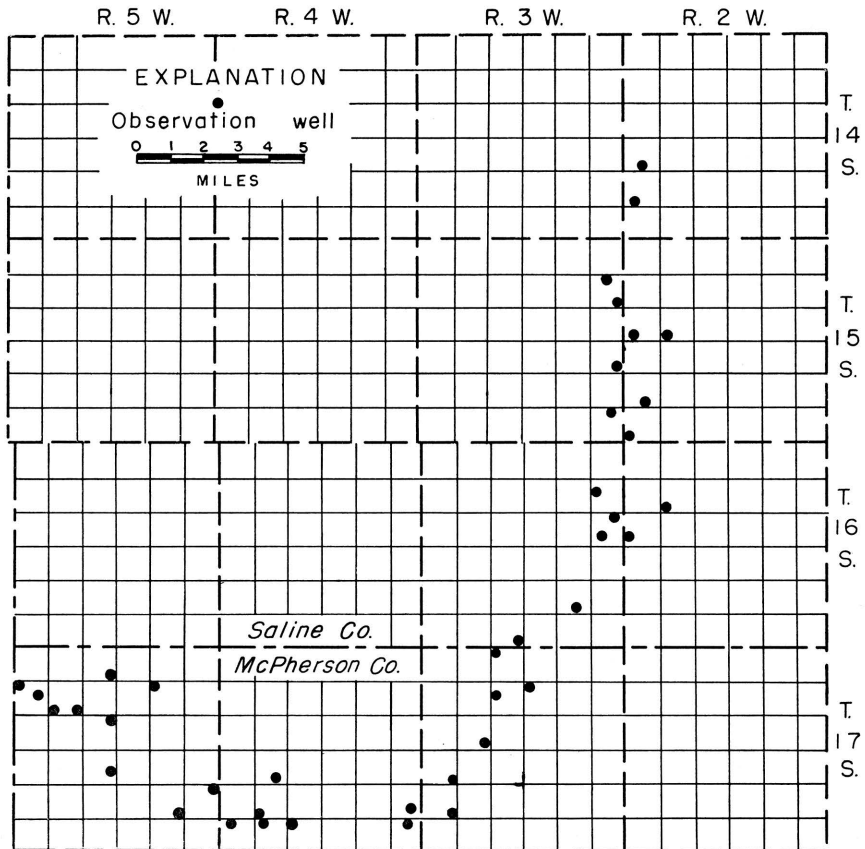


FIG. 6.—Observation wells in Kanopolis unit in Saline and McPherson Counties, December 31, 1961.

TABLE 2.—Number of observation wells in Kansas at end of 1961.

County	Missouri Basin	Arkansas Basin	Observer ^a
Atchison	1	..	GS
Barber	..	6	KSBA
Barton	..	8	KSBA
Bourbon	1	..	GS
Brown	4	..	GS
Chase	..	4	GS
Cherokee	..	4	GS
Cheyenne	16	..	BR and KSBA
Clark	..	3	KSBA
Cloud	12	..	BR and GS
Comanche	..	2	KSBA
Crawford	1	2	GS
Decatur	7	..	KSBA
Douglas	5	..	GS
Edwards	..	3	KSBA
Ellis	13	..	GS and KSBA
Ellsworth	1	..	GS
Finney	..	15	KSBA
Ford	..	5	KSBA
Gove	6	..	KSBA
Graham	5	..	KSBA
Grant	..	10	KSBA
Gray	..	10	KSBA
Greeley	2	1	KSBA
Hamilton	..	4	KSBA
Harper	..	2	A
Harvey	..	162	W
Haskell	..	6	KSBA
Hodgeman	..	3	KSBA
Jackson	2	..	GS
Jefferson	2	..	GS
Jewell	37	..	BR and GS
Johnson	4	..	GS
Kearny	..	4	KSBA
Kingman	..	2	KSBA
Kiowa	..	3	KSBA
Lane	..	4	KSBA
Leavenworth	1	..	GS
Lincoln	3	..	GS
Linn	2	..	GS
Logan	4	..	KSBA
McPherson	23	..	GS
Meade	..	8	KSBA
Mitchell	8	..	GS
Morton	..	4	KSBA
Ness	..	3	KSBA
Norton	5	..	GS and KSBA
Osborne	28	..	GS
Ottawa	7	..	GS and BR
Pawnee	..	3	KSBA

Geological Survey of Kansas

TABLE 2.—Number of observation wells in Kansas at end of 1961 (conc.).

County	Missouri Basin	Arkansas Basin	Observer ^a
Phillips	2	..	GS
Pottawatomie	2	..	KSBA
Pratt	..	4	KSBA
Rawlins	5	..	KSBA
Reno	..	1	KSBA
Republic	96	..	BR
Rice	..	2	KSBA
Rooks	13	..	KSBA
Rush	..	11	KSBA
Russell	6	..	KSBA
Saline	17	..	GS
Scott	..	7	KSBA
Sedgwick	..	86	W, KSBA, GS
Seward	..	4	KSBA
Shawnee	21	..	KSBA and GS
Sheridan	3	..	KSBA
Sherman	4	..	KSBA
Smith	15	..	GS
Stafford	..	3	KSBA
Stanton	..	7	KSBA
Stevens	..	5	KSBA
Sumner	..	8	GS
Thomas	4	..	KSBA
Trego	3	..	GS and BR
Wallace	2	..	KSBA
Wichita	3	2	KSBA
Woodson	..	1	GS
Total	396	422	

^a 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 1961
Almena	Prairie Dog Creek	Norton and Phillips	3
Bostwick	Republican River	Jewell, Republic, and Cloud	134
Cedar Bluff	Smoky Hill River	Ellis and Trego	14
Glen Elder	Solomon River	Mitchell	8
Kanopolis	Smoky Hill River	Saline, McPherson, and Ellsworth	41
Kirwin	North Fork Solomon River	Smith, Phillips, and Osborne	20
Webster	South Fork Solomon River	Osborne	32
Wilson	Saline River	Lincoln	3
St. Francis	South Fork Republican River	Cheyenne	14
Total			269

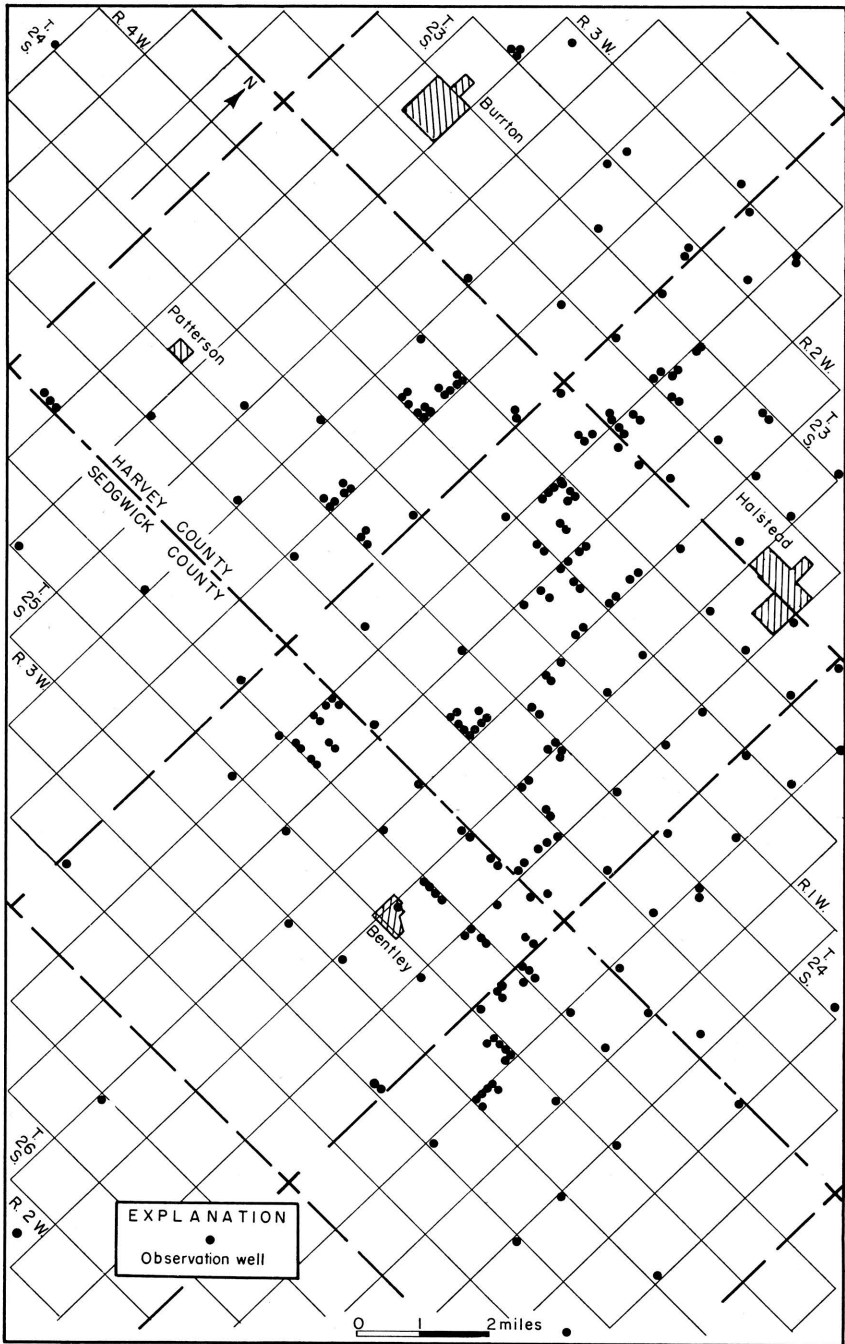


FIG. 7.—Observation wells in Equus-beds area, Harvey and Sedgwick Counties, December 31, 1961.

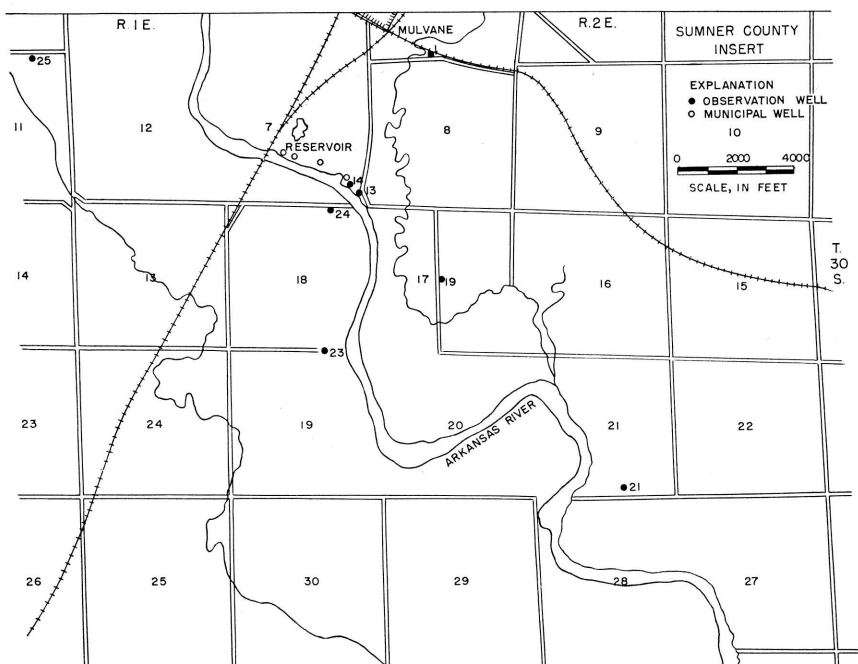


FIG. 8.—Observation wells near Mulvane, Sumner County, December 31, 1961.

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. 11).

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 groundwater program and previous records, if any, have been published in the annual series of Water-Supply Papers.

The prefix M in the number of some wells in Harvey and Sedgwick Counties indicates public-supply wells of the City of Wichita, and the suffix r indicates a replacement for the original municipal well of that number. The suffix letter b designates a shallow observation well near

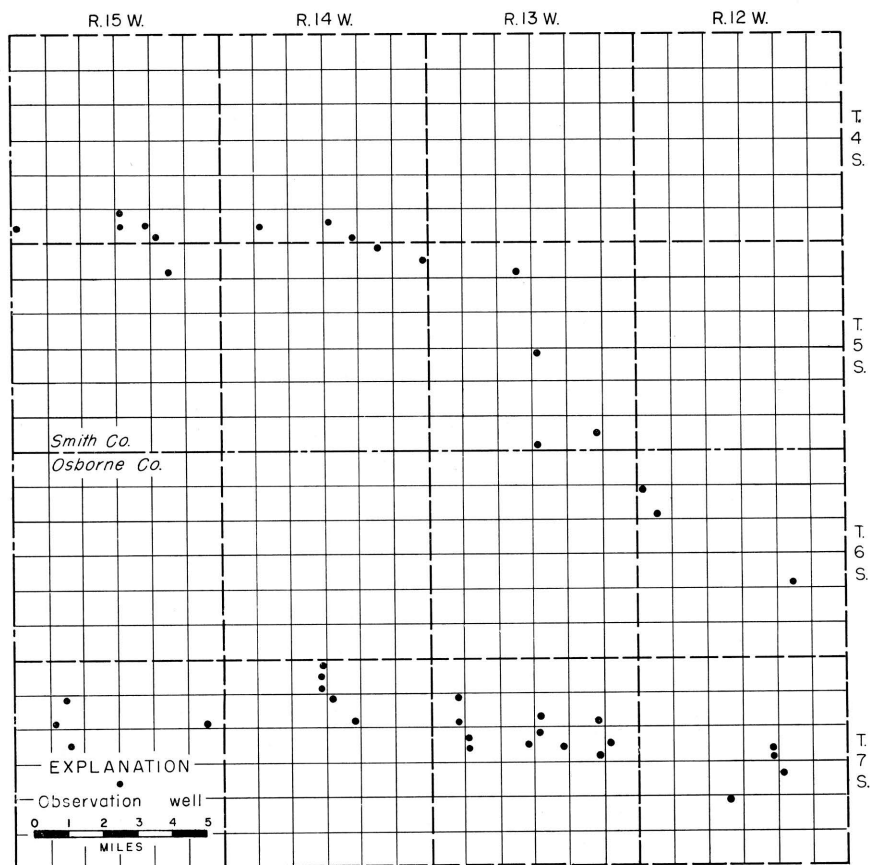


FIG. 9.—Observation wells in Smith and Osborne Counties, December 31, 1961.

the municipal well of the same number; the letter d indicates a deep observation well near the same well. The observation wells are 200 to 500 feet from the pumped well, and generally where there are a shallow and a deep observation well, they are adjacent.

PRECIPITATION

Information pertaining to precipitation was obtained from the U.S. Weather Bureau annual summary of climatological data for Kansas for 1961. Annual precipitation in the state ranged from 66.27 inches at Grenola in Elk County to 12.84 inches at Elkader in Logan County.

The precipitation in Kansas for 1961 is summarized in Figures 12, 13, and 14. Figure 12 shows the monthly precipitation and normal precipitation at Goodland in western Kansas, at Concordia in central Kansas, and at Lawrence in eastern Kansas. The average precipitation

and the departure from average in the nine Weather Bureau divisions of the state (Fig. 13) as given by the Weather Bureau in the annual summary for 1961 of climatological data are:

Division	Average precipitation, inches	Departure, inches
Northwest	22.72	3.22
North Central	34.20	9.15
Northeast	45.45	12.40
West Central	25.19	6.28
Central	32.45	6.85
East Central	49.75	14.17
Southwest	22.20	4.68
South Central	30.99	5.58
Southeast	54.57	17.80

The average precipitation was above normal in all nine divisions

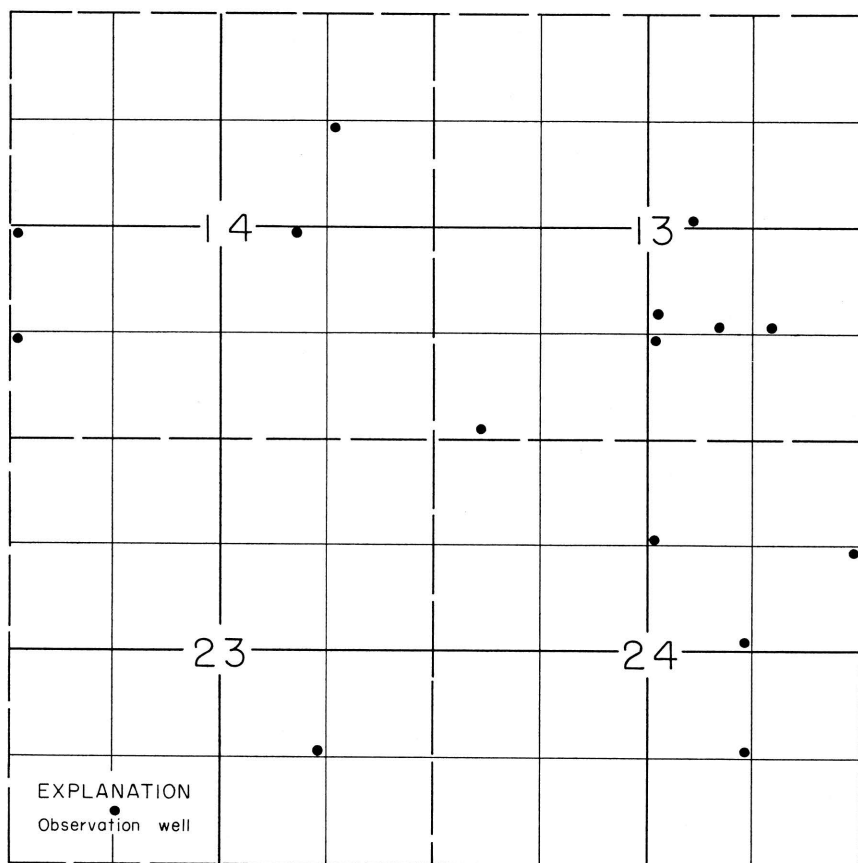


Fig. 10.—Map of sections 13, 14, 23, and 24, T. 11 S., R. 15 W., Shawnee County, showing location of observation wells, December 31, 1961.

and ranged from 3.22 inches above normal in the northwest division to 17.80 inches above normal in the southeast division.

Figure 14 shows the annual precipitation and the cumulative departure from normal precipitation at Goodland, Concordia, and Lawrence for the 25-year period 1937 to 1961. Since 1937 the precipitation at Concordia and Lawrence has averaged slightly more than 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 34 inches since 1937.

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.

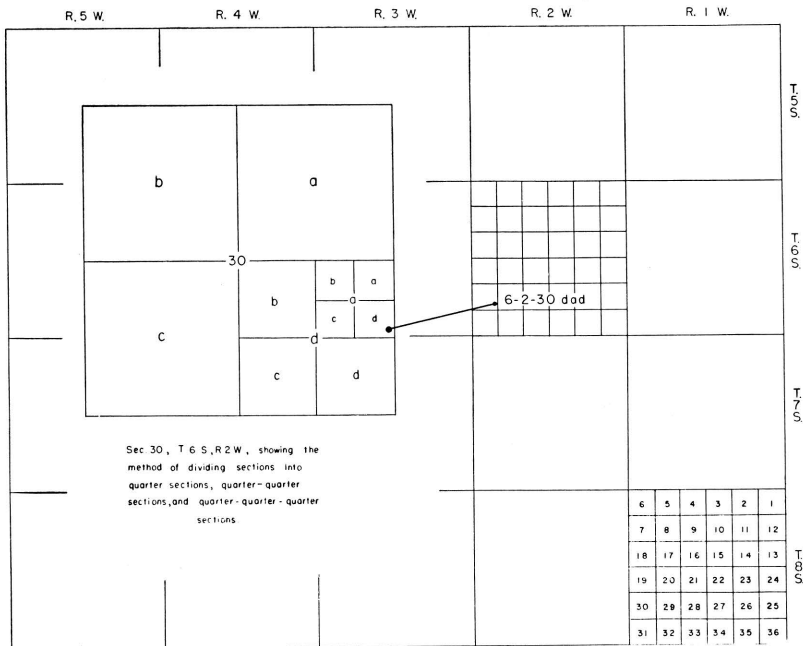


FIG. 11.—Sketch of Cloud County illustrating well-numbering system based on land-classification system.

Geological Survey of Kansas

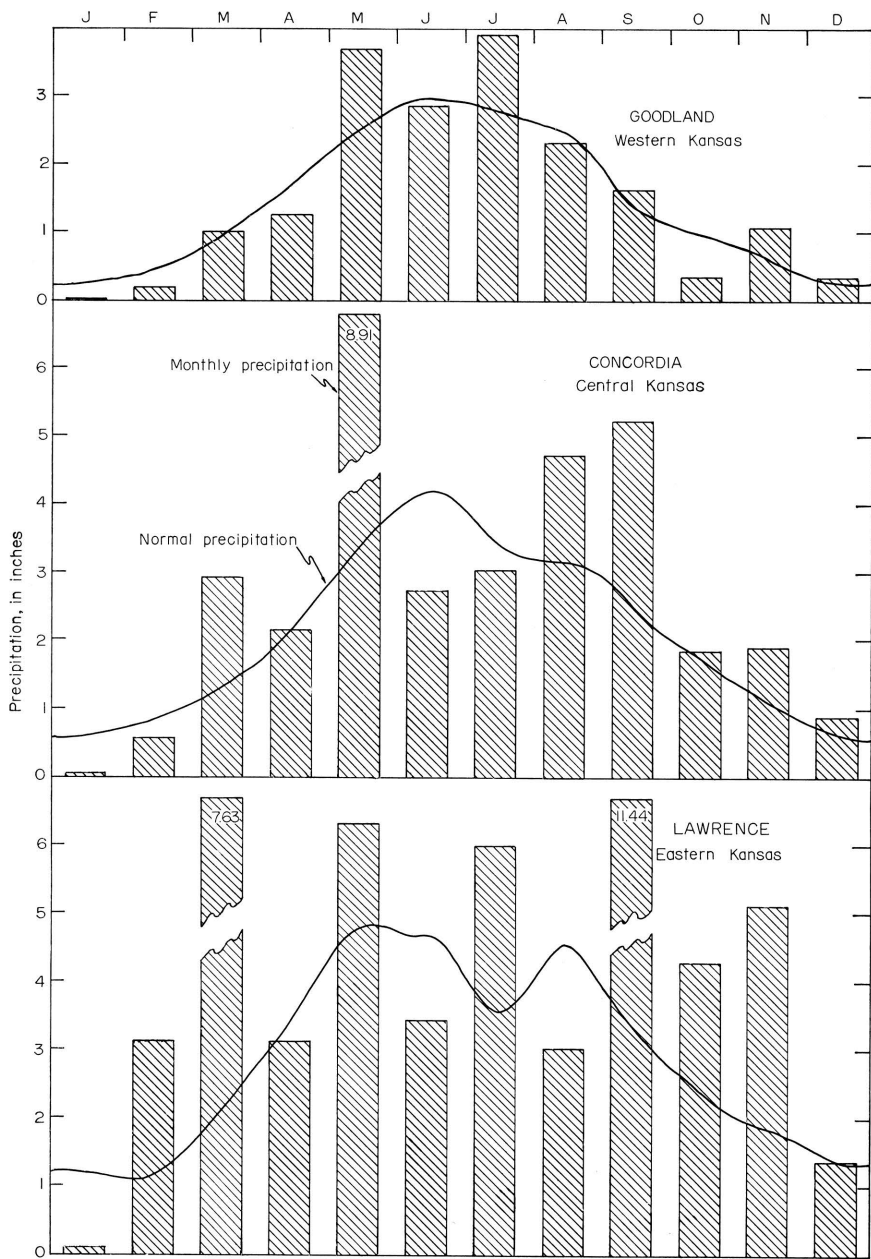


FIG. 12.—Monthly precipitation during 1961 and normal monthly precipitation at Goodland, Concordia, and Lawrence. Data from reports of U.S. Weather Bureau.

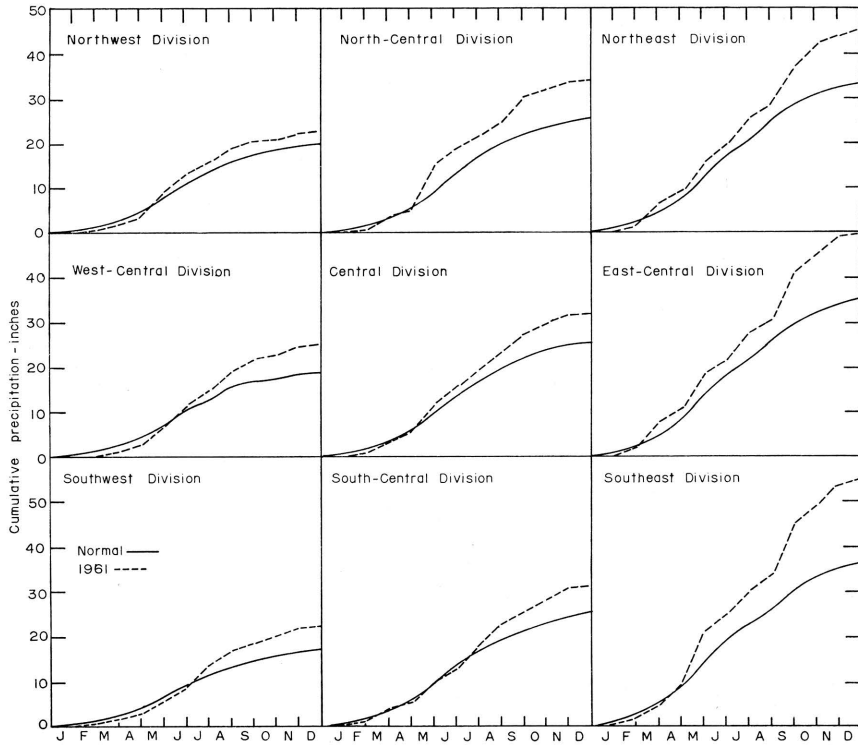


FIG. 13.—Cumulative normal precipitation and cumulative precipitation for 1961 in nine segments of Kansas. Illustration provided by H. L. Mackey, Division of Water Resources.

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

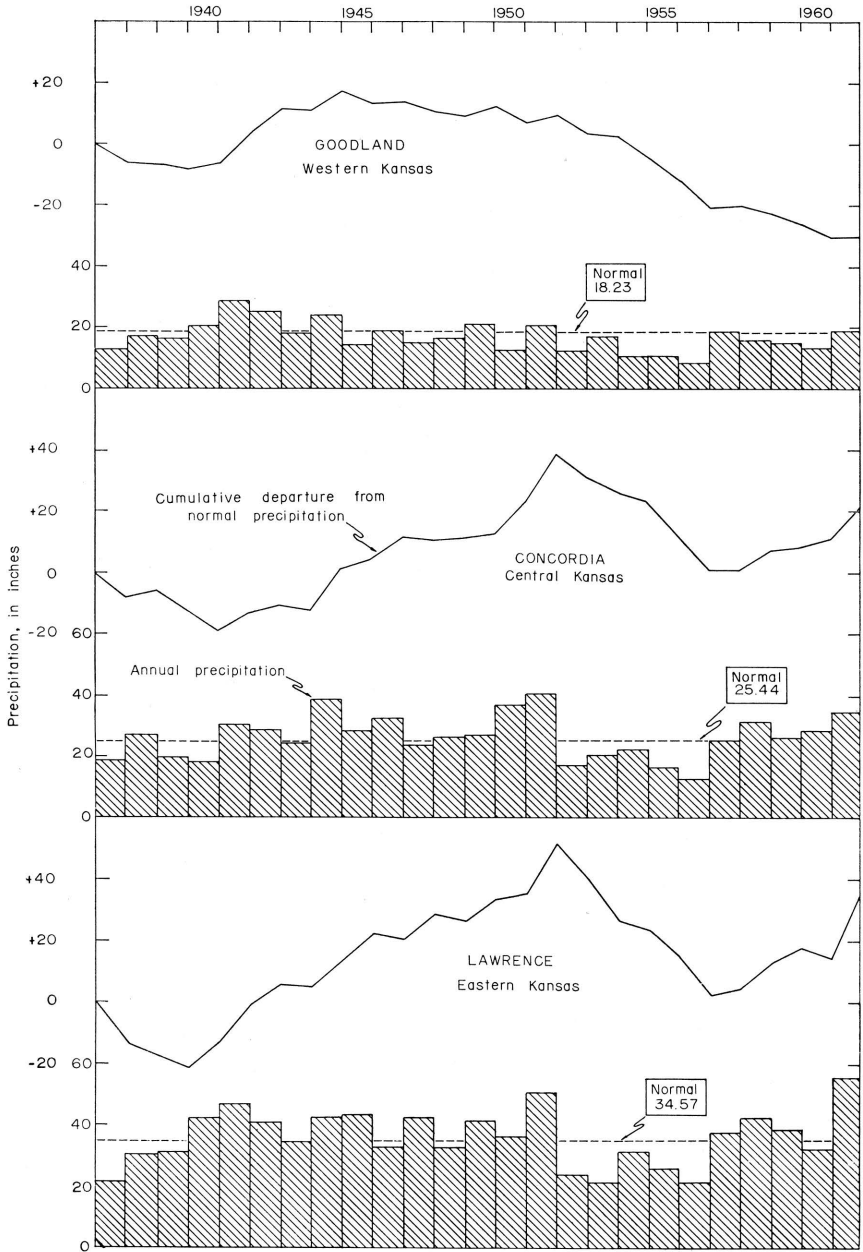


FIG. 14.—Annual precipitation and cumulative departure from normal precipitation for 25-year period 1937 through 1961 at Goodland, Concordia, and Lawrence. Data from reports of U.S. Weather Bureau.

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 recharge may not be noticeable immediately.

WESTERN KANSAS

All municipal supplies in western Kansas are obtained from ground water. Also, large quantities of water are pumped for irrigation. Average annual recharge in much of the area is low, being of the order of possibly one-fourth to one-half an inch, but most of this recharge occurs during years of heavy precipitation. The changes in water levels in western Kansas are shown by the hydrographs of 13 wells in Figures

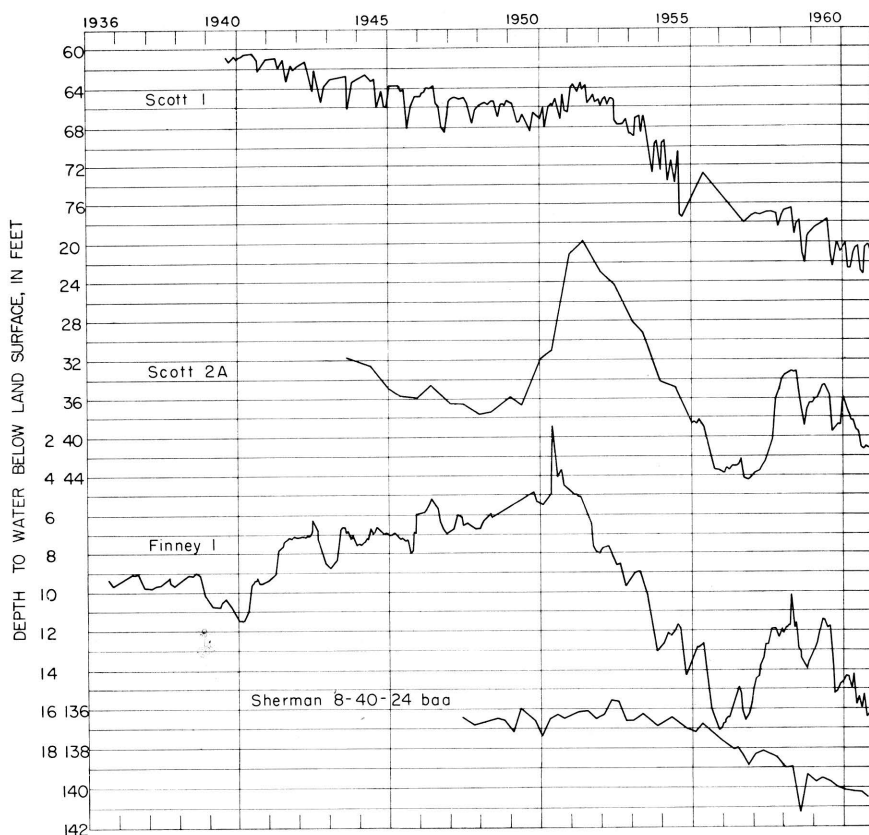


FIG. 15.—Hydrographs of four wells in Finney, Scott, and Sherman Counties.

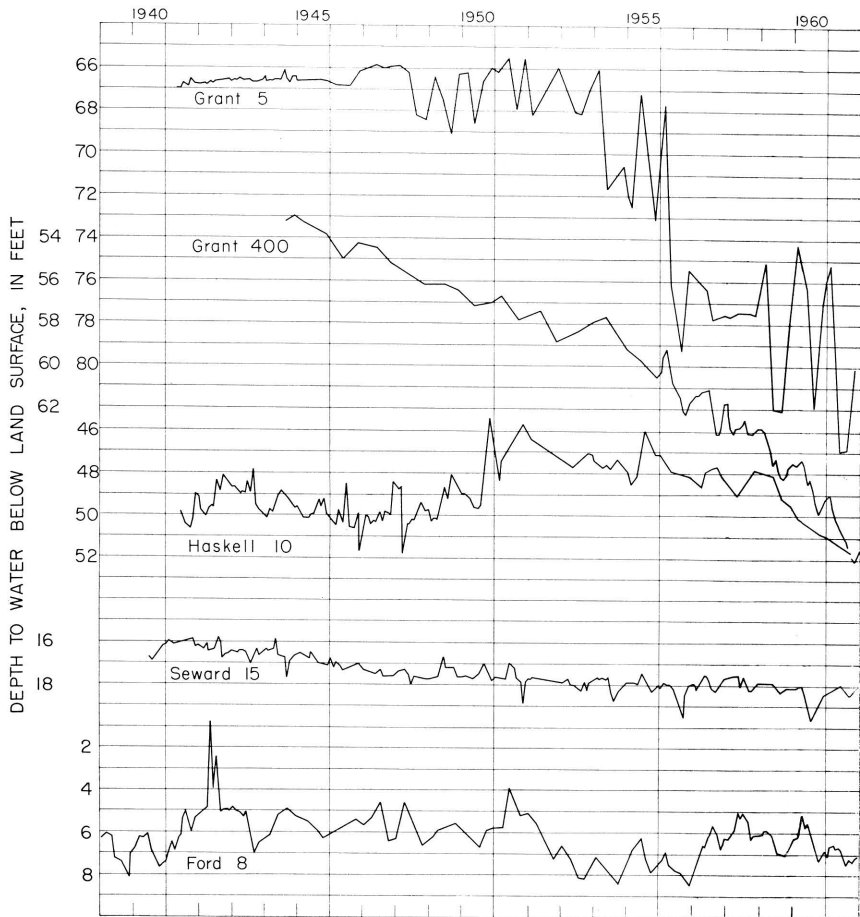


FIG. 16.—Hydrographs of five wells in Ford, Grant, Haskell, and Seward Counties.

15, 16, and 17. The changes in water levels in selected observation wells at approximately 5-year intervals are shown for 10 counties in southwestern Kansas in Figures 18 to 22, inclusive.

The precipitation was above normal in western Kansas during 1961, but the water level declined in most wells. Most of the decline was caused by pumpage for irrigation. Of the 13 wells for which hydrographs are given in Figures 15, 16, and 17, the water level declined in 9 wells, rose in 3 wells, and had no net change during the year in 1 well. The average decline of the water level in 9 wells was about 2.2 feet and ranged from 4.8 feet in well 2a in Scott County to 0.2 foot in well 8 in Ford County. The water level in 3 wells rose an average of 1.0 foot (Hamilton 3, 0.4 foot; Scott 1, 1.9 feet; and Seward 15, 0.7 foot).

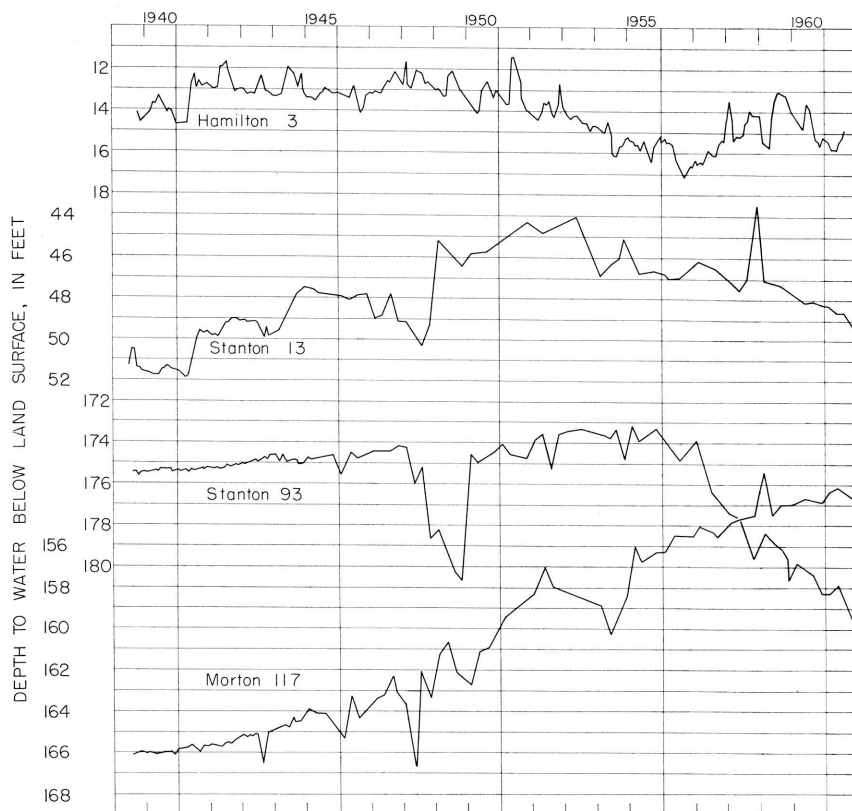


FIG. 17.—Hydrographs of four wells in Hamilton, Morton, and Stanton Counties.

The decline of the water level in Grant and Stanton Counties from 1939-42 to 1960 caused by withdrawals for irrigation is shown in Figure 23. The water level declined 40 feet or more in 2.7 square miles, 30 feet or more in 27.4 square miles, 20 feet or more in 173 square miles, and 10 feet or more in 545 square miles.

CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figures 24 and 25. Figure 24 gives the hydrograph of a well in Mitchell County and hydrographs of three wells in south-central Kansas; two of the latter are in Barton County and one is in Sedgwick County. Figure 25 gives the hydrographs of four wells in the Wichita well-field area in Harvey and Sedgwick Counties.

Most ground-water levels in central Kansas rose during 1961. The water levels in the two wells in Barton County for which hydrographs are shown in Figure 24 had an average net decline of about 0.5 foot.

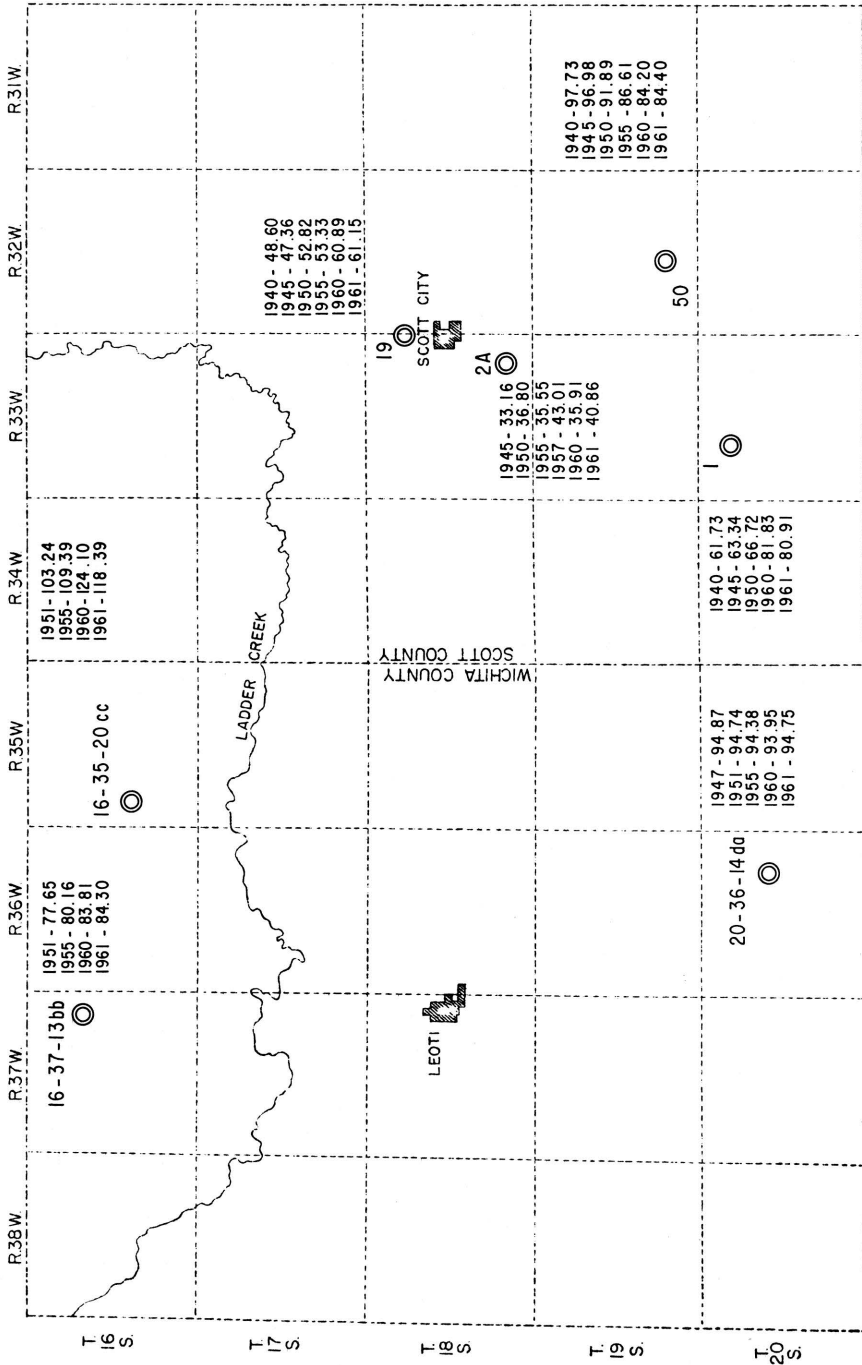


FIG. 18.—Depth to water in selected observation wells in Scott and Wichita Counties.

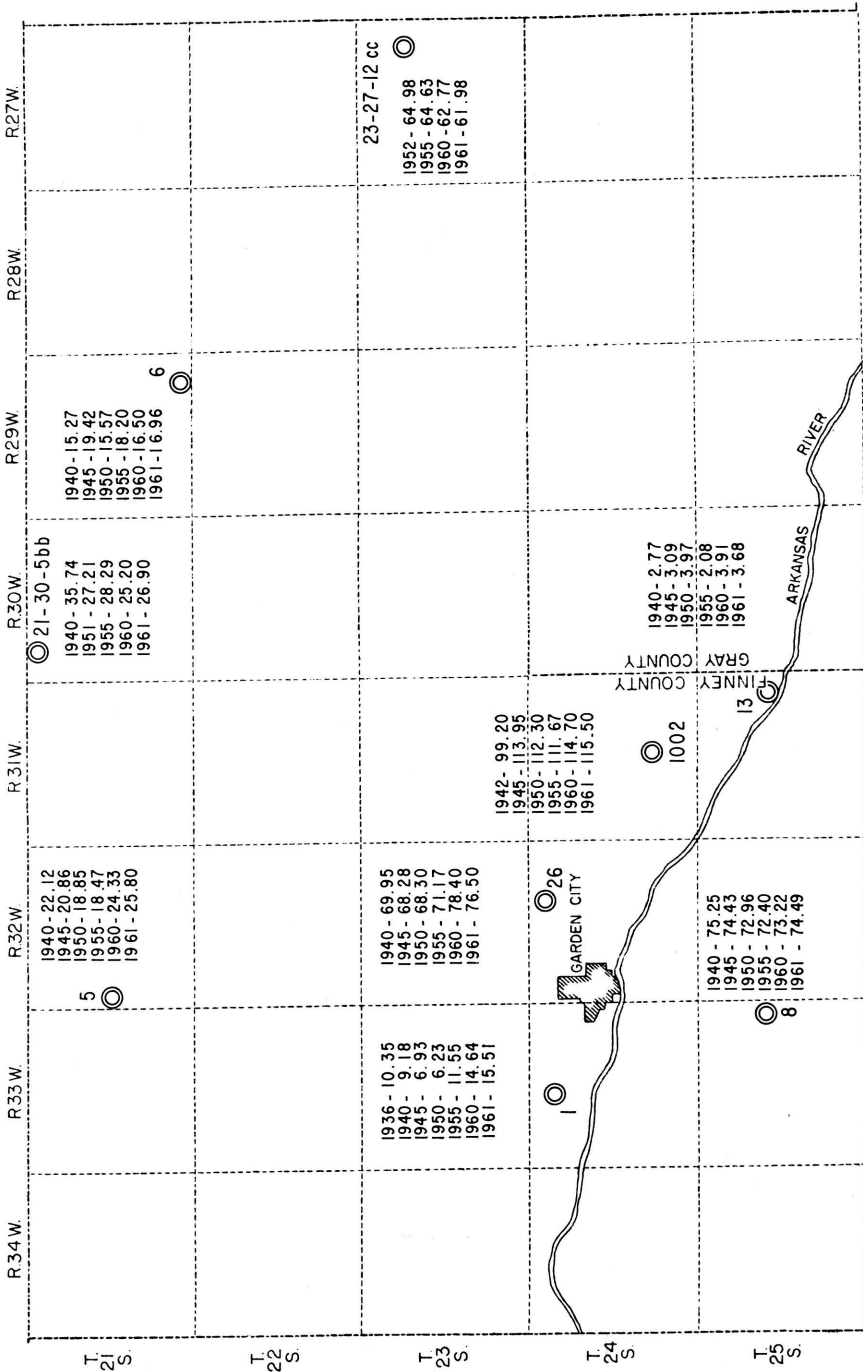


Fig. 19.—Depth to water in selected observation wells in Finney County.

Geological Survey of Kansas

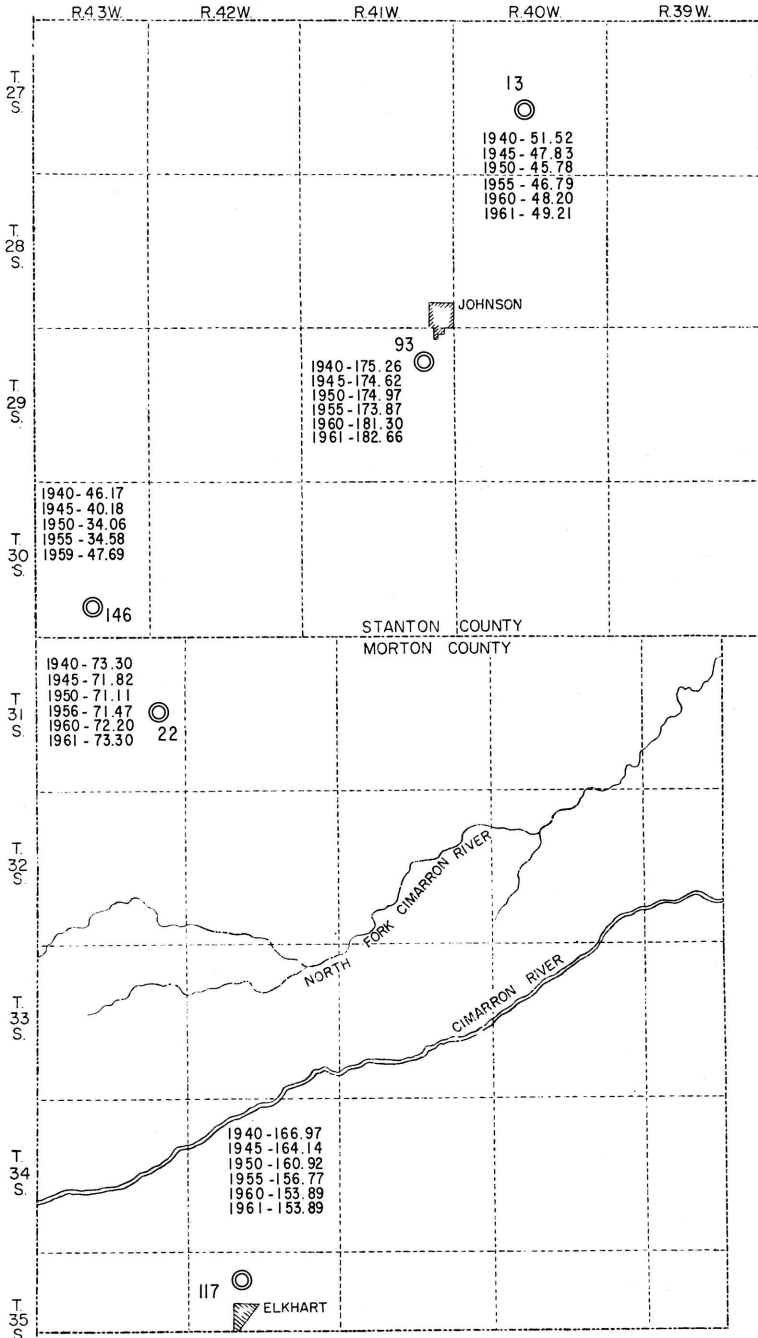


FIG. 20.—Depth to water in selected observation wells in Morton and Stanton Counties.

Water Levels, 1961

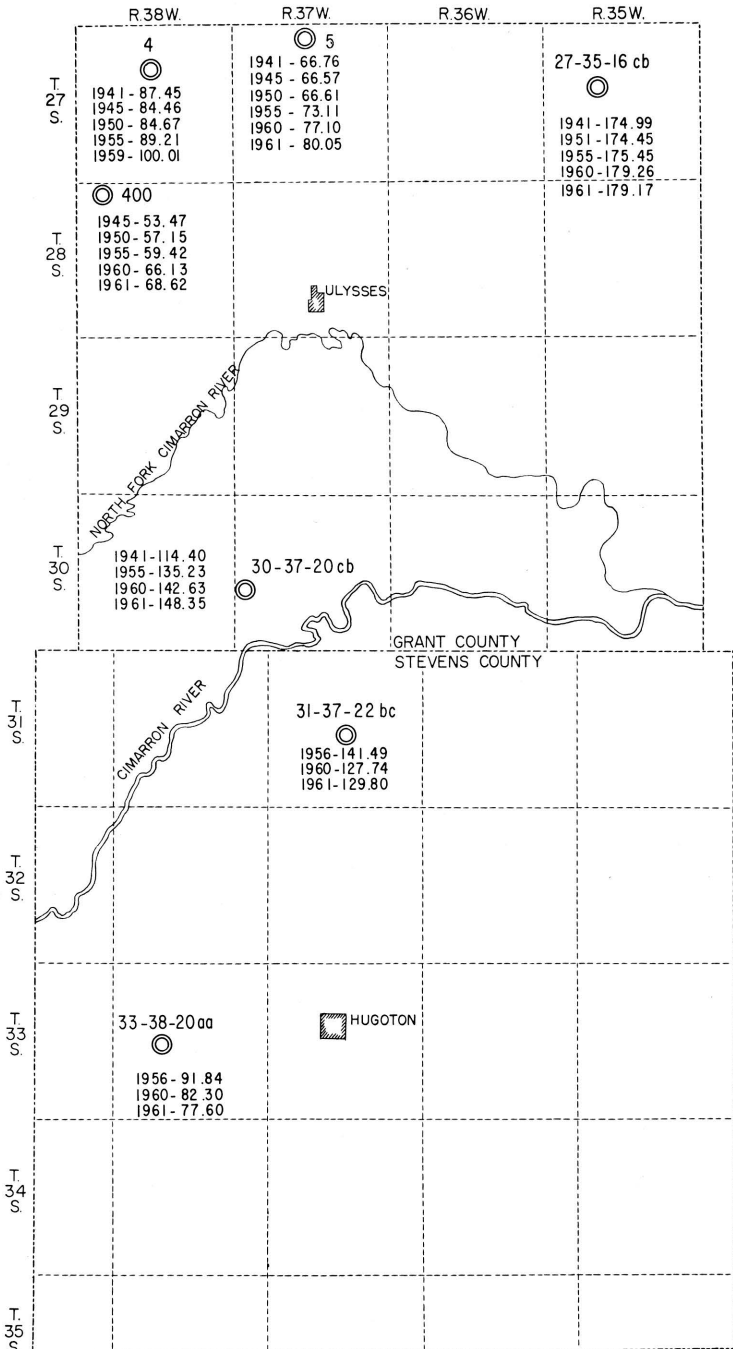


FIG. 21.—Depth to water in selected observation wells in Grant and Stevens Counties.

Geological Survey of Kansas

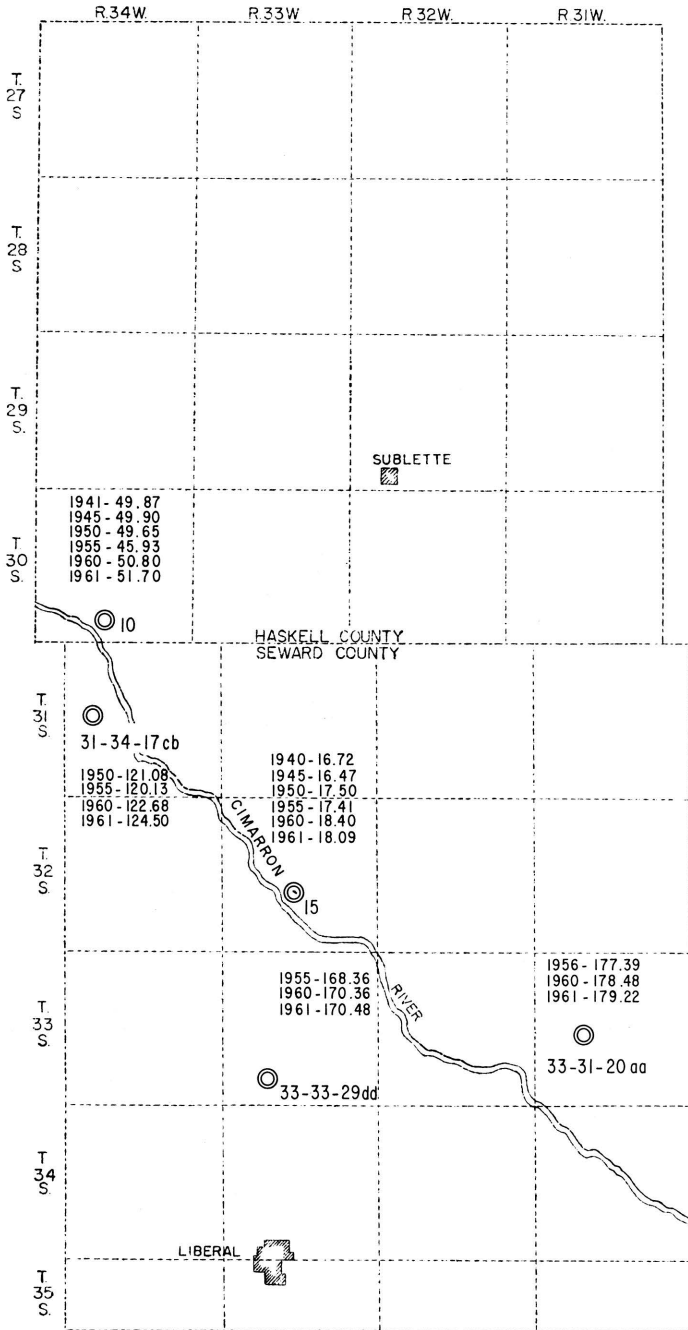


FIG. 22.—Depth to water in selected observation wells in Haskell and Seward Counties.

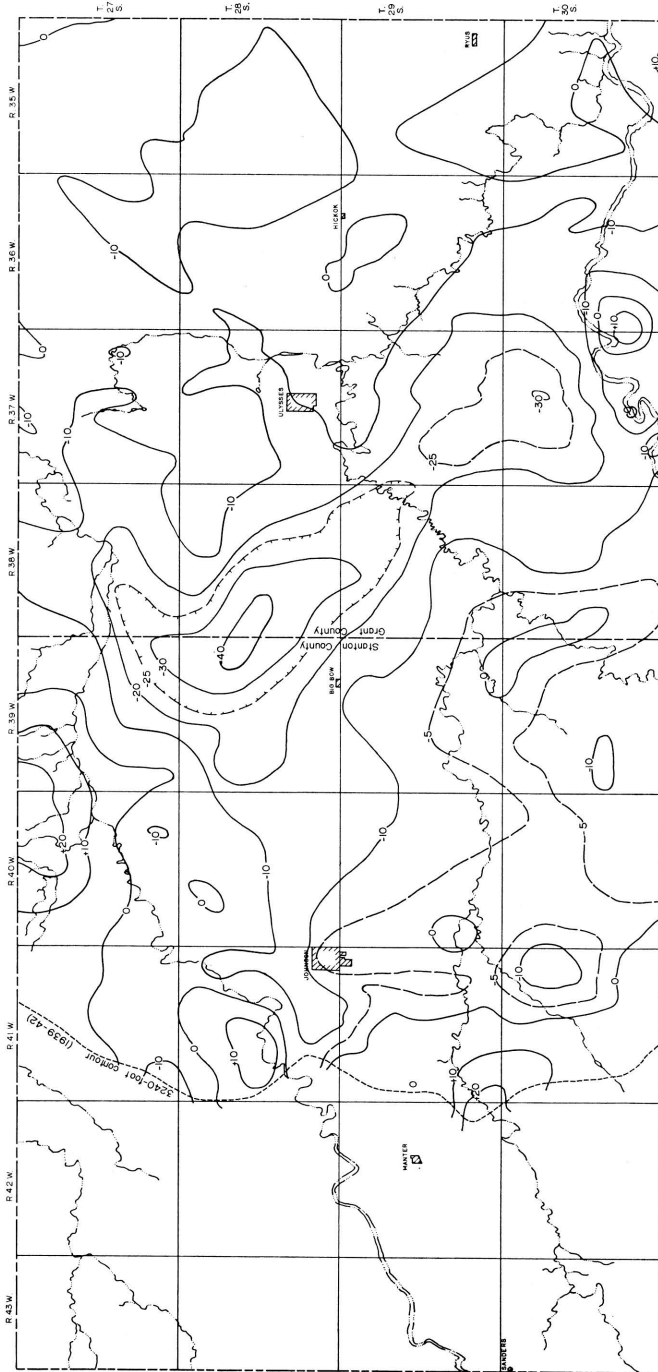


FIG. 23.—Map of Grant and Stanton Counties showing decline of water level, 1939-41 to 1960.

The water level in well 12 in Sedgwick County rose 1.8 feet during the year, and at the end of 1961 it was about 3.9 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 has been 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, 1961, is shown in Figure 26. The total area affected by the municipal pumping at the end of 1961 was about 75 square miles. The water level declined more than 10 feet in an area of 27 square miles, and more than 20 feet in an area of 3.8 square miles. The maximum decline was about 22 feet. The decline of the water table from 1940 through 1961 is shown graphically in Figure 27.

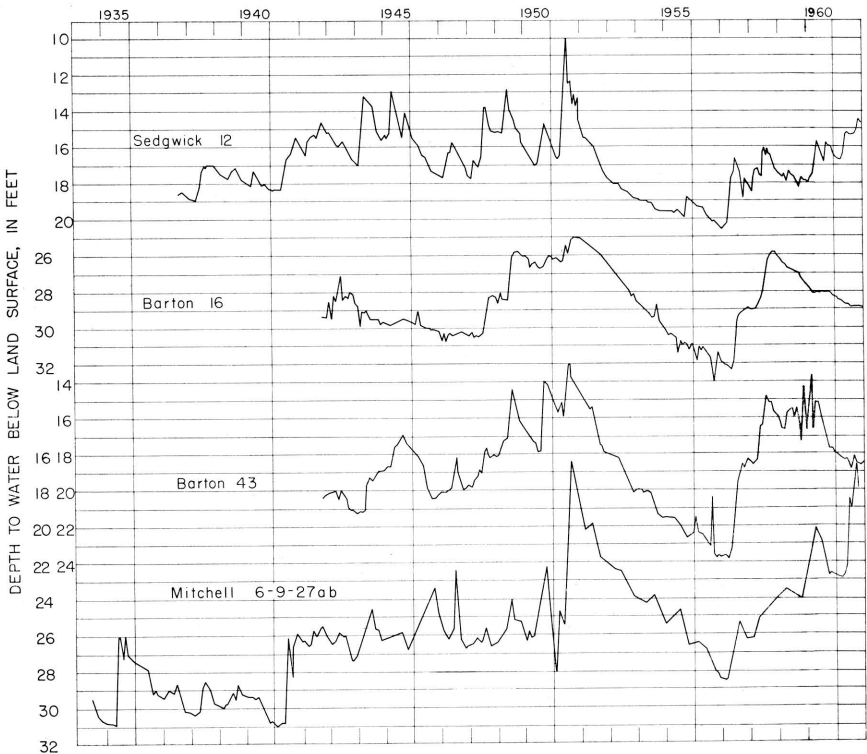


FIG. 24.—Hydrographs of four wells in Barton, Mitchell, and Sedgwick Counties.

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. Changes in ground-water levels in eastern Kansas are shown in Figure 28 by the hydrograph of one well in Douglas County and one well in Shawnee County. The water levels began an upward trend during the spring of 1957 and continued this upward trend during 1958. The water levels in these two wells declined an average of about 1.3 feet during

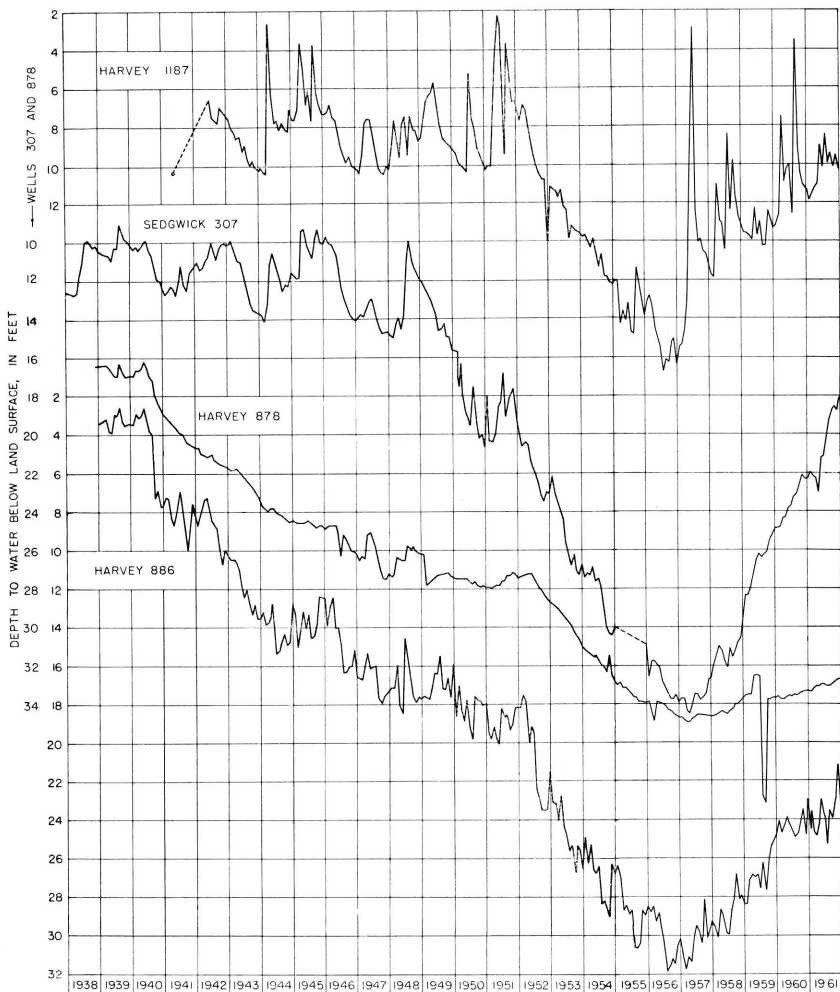


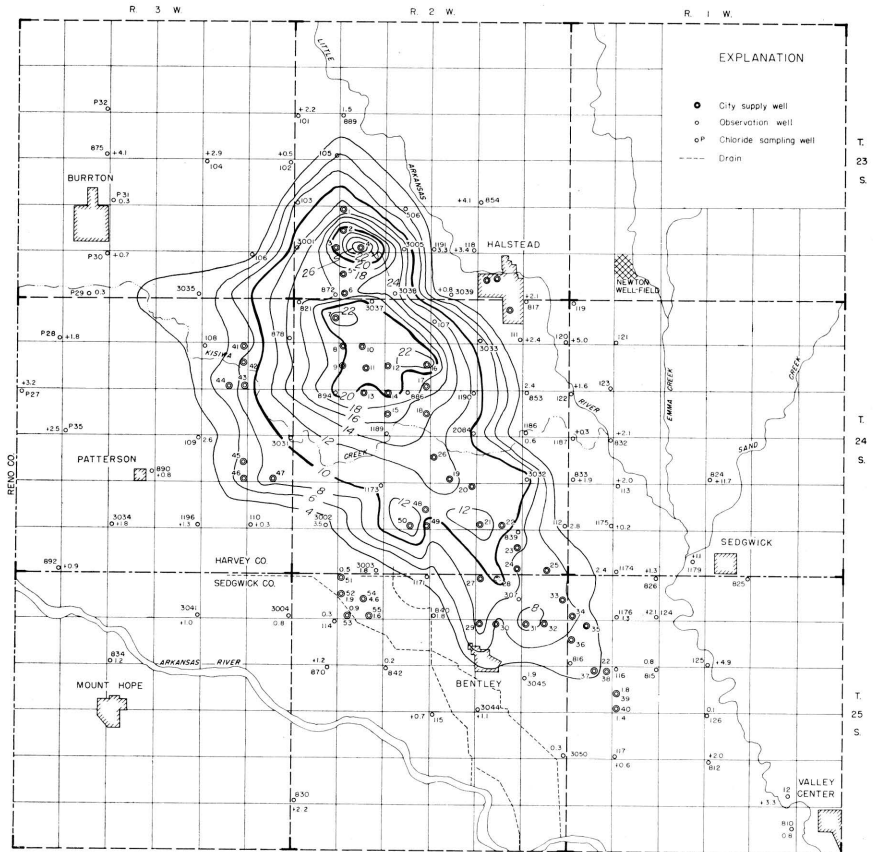
FIG. 25.—Hydrographs of four wells in Harvey and Sedgwick Counties.

1959. They had an average seasonal rise of about 2.0 feet in 1960, but the level in the well in Douglas County had a net annual decline of about 0.6 foot and the level in the well in Shawnee County had a net rise of about 0.1 foot.

The precipitation was 20.46 inches above normal at Lawrence in Douglas County and 8.57 inches above normal at Topeka in Shawnee County during 1961. Accordingly the water level rose 5.1 feet in well 12-20-17ccb in Douglas County and 1.5 feet in well 11-15-16c in Shawnee County.

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 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.

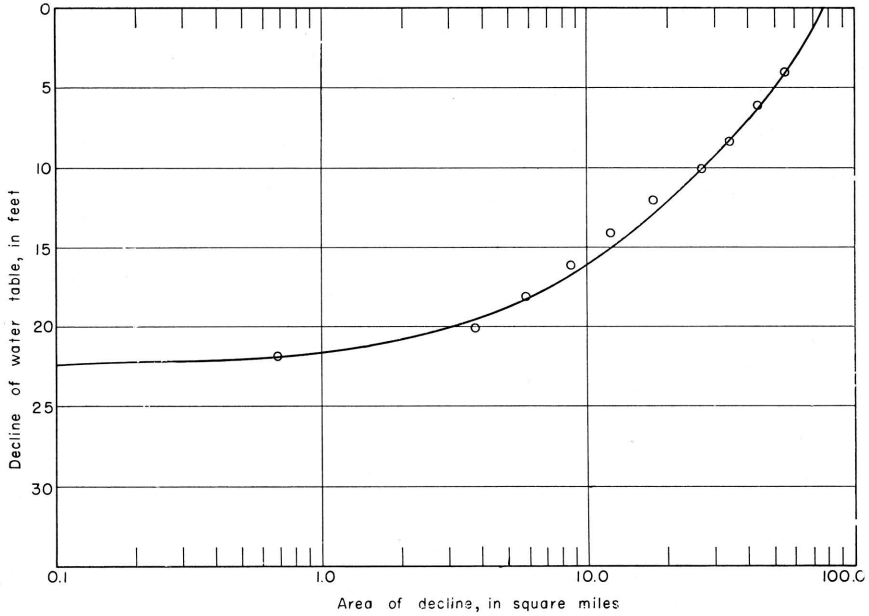


FIG. 27.—Area of decline of water table in Wichita well-field area from September 1940 to December 31, 1961.

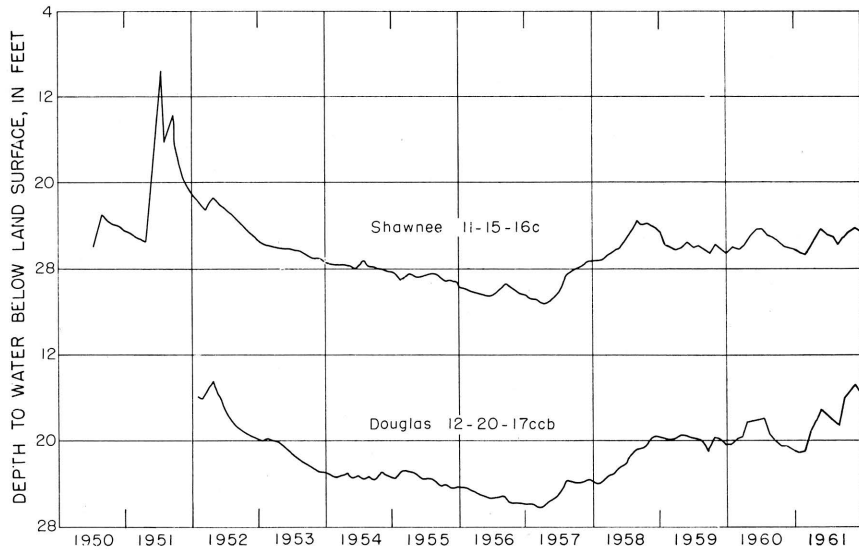


FIG. 28.—Hydrographs of two wells in Douglas and Shawnee Counties.

The depth of most wells included in this report was remeasured during 1961. The corrected depth, in feet below land surface, is given for each well for which the previous reported depth was in error.

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 39 (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 feet below land-surface datum, July 24, 1951); lowest water level during period of record (20.23 feet below land-surface datum, Feb. 16, 1957); period of record during which measurements have been made (1948 to 1961); measurements during 1961 (July 6, 8.20).

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

ATCHISON COUNTY

5-18-3dd. (C)* Carl Mehl. Dug stock and domestic water-table well in glacial deposits, diameter 36 inches, depth 10 feet, cribbed with rock. Well downgradient 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, 1960-61. Feb. 1, 2.89; July 6, 1.78.

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 (remeasured 1961) 95 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: 1940-61. Jan. 17, 74.30; Apr. 18, 74.17; Oct. 23, 74.40.

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 (remeasured 1961) 66 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: 1940-61. Jan. 17, 16.30; Apr. 18, 16.06; July 18, 17.00; Oct. 23, 16.48.

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 (remeasured 1961) 24 feet, cribbed with stone. Measuring point, top north side of curb, 0.90 foot above lsd. Highest water level 16.97 below lsd, June 24, 1957; lowest 30.15 below lsd, Sept. 24, 1941. Records available: 1940-61. Jan. 17, 19.43; Apr. 18, 19.56; July 18, 19.40; Oct. 23, 19.08.

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 (remeasured 1961) 26 feet, cribbed with brick. Measuring point, top north side of brick curb, 0.60 foot above lsd. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 21.01 below lsd, Apr.

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

3, 1957. Records available: 1940-61. Jan. 17, 14.93; Apr. 18, 15.45; July 18, 14.78; Oct. 23, 15.24.

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 (remeasured 1961) 6 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: 1940-61. Jan. 17, 1.58; Apr. 18, 1.55; July 18, 3.02; Oct. 23, 2.33.

10. (C) G. H. Davis. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 35 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 5 inches, depth 152 feet. Measuring point, top of casing, 0.10 foot below lsd. Highest water level 102.20 below lsd, Mar. 15, 1945; lowest 107.72 below lsd, Sept. 25, 1948. Records available: 1940-61. Jan. 17, 104.55; Apr. 18, 104.37; July 18, 104.59; Oct. 23, 104.49.

BARTON COUNTY

1. (C) F. Panning. SE cor. sec. 3, T. 20 S., R. 11 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth (remeasured 1961) 8 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: 1942-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	5.42	Apr. 17	5.10	July 17	4.92	Oct. 23	4.82
Feb. 21	5.26	May 25	4.66	Aug. 22	4.39	Nov. 20	5.00
Mar. 20	5.26	June 20	4.72	Sept. 25	4.33	Dec. 18	5.00

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 (remeasured 1961) 32 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: 1942-61.

Jan. 16	28.37	Apr. 17	28.64	July 17	28.86	Oct. 19	28.84
Feb. 21	28.49	May 25	28.75	Aug. 17	28.87	Nov. 20	28.85
Mar. 20	28.56	June 20	28.77	Sept. 27	28.84	Dec. 20	28.90

43. (C) M. Hagen. SW cor. sec. 20, T. 20 S., R. 11 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth (remeasured 1961) 44 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: 1942-61.

Jan. 16	18.01	Apr. 17	18.33	July 17	18.83	Oct. 18	18.59
Feb. 21	18.18	May 25	18.26	Aug. 17	18.16	Nov. 20	18.62
Mar. 20	18.26	June 20	18.48	Sept. 27	18.53	Dec. 18	18.52

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: 1944-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	32.27	Apr. 17	32.51	July 17	32.39	Oct. 19	32.45
Feb. 21	32.35	May 23	32.17	Aug. 17	32.30	Dec. 20	32.55
Mar. 20	32.39	June 20	32.49	Sept. 26	32.35		

103. (C) F. Konarek. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 17 S., R. 12 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth (remeasured 1961) 24 feet. Measuring point, top east edge of casing, 0.40 foot above lsd. Highest water level 0.25 below lsd, Aug. 29, 1950; lowest 8.28 below lsd, Feb. 18, 1957. Records available: 1944-61.

Jan. 16	2.77	Apr. 17	3.38	July 17	4.27	Oct. 19	3.37
Feb. 21	3.57	May 25	4.22	Aug. 17	2.26	Nov. 20	2.12
Mar. 20	3.22	June 20	3.67	Sept. 27	3.15	Dec. 18	2.90

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 (remeasured 1961) 47 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: 1944-61.

Jan. 16	12.92	Apr. 17	13.10	July 17	13.75	Oct. 19	13.70
Feb. 21	12.88	May 25	13.30	Aug. 17	13.69	Nov. 20	12.53
Mar. 20	12.89	June 20	12.95	Sept. 27	12.99	Dec. 20	12.28

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 (remeasured 1961) 24 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: 1944-61.

Jan. 16	14.17	Apr. 17	14.31	July 17	14.90	Oct. 19	15.27
Feb. 21	14.25	May 25	14.26	Aug. 17	14.87	Nov. 20	15.07
Mar. 20	14.30	June 20	14.55	Sept. 27	15.06	Dec. 20	14.99

18-15-28cc. (109a) (C) A.T.S.F. right-of-way. Drilled water-table observation well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth (remeasured 1961) 68 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.86 below lsd, Nov. 20, 1961; lowest 10.64 below lsd, July 17, 1961. Records available: 1960-61.

Jan. 16	10.38	Apr. 17	10.48	July 17	10.64	Oct. 19	6.48
Feb. 21	10.52	May 23	10.18	Aug. 17	10.41	Nov. 20	4.86
Mar. 20	10.55	June 20	10.05	Sept. 26	5.08	Dec. 20	6.16

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 1961.

BROWN COUNTY

3-16-28bdd. (Erroneously reported previously as 3-16-28ddd). (C) Powhattan Community. Drilled public-supply water-table well in glacial till, diameter 12 inches, depth 41 feet. Measuring point, top of 2 x 6 between pump and jack, 0.20 foot above lsd. Highest water level 10.05 below lsd, July 5, 1961; lowest 22.27 below lsd, Feb. 1, 1961. Records available: 1960-61. Feb. 1, 22.27; July 5, 10.05.

3-17-31bbb. (C) Baker Community. Drilled public-supply water-table well in Pennsylvanian limestone, diameter 12 inches, depth 75 feet. Measuring point, top of concrete platform, 0.20 foot above lsd. Highest water level 55.12 below lsd, July 5, 1961; lowest 58.42 below lsd, Feb. 1, 1961. Records available: 1960-61. Feb. 1, 58.42; July 5, 55.12.

4-16-15aad. (Erroneously reported previously as 4-16-15aab). (C) Mercier Community. Dug public-supply water-table well in glacial till, diameter 10 feet, depth (corrected) 44 feet. Measuring point, top of concrete platform, east side of opening, 0.60 foot above lsd. Highest water level 7.80 below lsd, July 5, 1961; lowest 20.14 below lsd, Feb. 1, 1961. Records available: 1960-61. Feb. 1, 20.14; July 5, 7.80.

4-18-29bda. (C) City of Everest. Dug public-supply water-table well in glacial till and Pennsylvanian limestone, diameter 8 feet, depth (corrected) 60 feet. Measuring point, top of concrete rim around manhole, 4.50 feet below lsd. Highest water level 30.45 below lsd, July 14, 1960; lowest 39.62 below lsd, Feb. 1, 1961. Records available: 1960-61. Feb. 1, 39.62; July 6, 31.58.

CHASE COUNTY

18-9-29cc. (C) Peak & Hatcher Co. Drilled domestic well in Bader Limestone and Easley Creek Shale, diameter 8 inches, depth 34 feet. Measuring point, top of casing, 0.30 foot above lsd. Highest water level 15.75 below lsd, Feb. 9, 1960; lowest 25.74 below lsd, Mar. 8, 1955. Records available: 1947-61. July 6, 21.23.

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: 1948-61. July 6, 8.20.

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: 1947-61. July 6, 20.88.

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: 1947-61. July 6, 11.44.

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, 1960-61. July 6, 11.22.

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 be-

low lsd, July 23, 1943; lowest 212.77 below lsd, July 6, 1961. Records available: 1943, 1950-58, 1960-61. July 6, 212.77.

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 207.71 below lsd, May 6, 1960. Records available: 1951-58, 1960. Measurement discontinued.

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 5.05 below lsd, May 6, 1960; lowest 19.45 below lsd, Aug. 3, 1954. Records available: 1951-58, 1960-61. July 6, 10.69.

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 252.00 below lsd, Dec. 26, 1961; lowest 394.25 below lsd, July 11, 1956. Records available: 1956-58, 1960-61. July 18, 262.40; Dec. 26, 252.00.

CHEYENNE COUNTY

1-38-2cd. (MB) Paul O'Brien. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth (remeasured 1961) 41 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 25.49 below lsd, Oct. 13, 1960. Records available: 1948-61. Jan. 4, 24.29; Jan. 17, 24.14; Apr. 20, 23.52; July 12, 24.32; July 18, 24.68; Oct. 18, 24.14.

1-38-8dcc. (MB) H. O. Haines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 34 feet. Measuring point, hole in inside of turbine base, 1.00 foot above lsd. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 15.15 below lsd, May 12, 1959. Records available: 1946-61. Jan. 4, 13.55; July 18, 13.04.

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

2-39-19ccc. (MB) A. C. Keller. Drilled unused water-table well in alluvium, diameter 4 inches, depth 23 feet. Measuring point, edge of casing, at land surface. Highest water level 13.68 below lsd, May 26, 1955; lowest dry, Aug. 6, 1959, Nov 7, 1960, Jan. 4, July 18, 1961. Records available: 1948-50, 1952-61. Jan. 4, dry; July 18, dry.

2-39-27bbb. (MB) G. W. Best. Drilled unused water-table well in alluvium, diameter 8 inches, depth 29 feet. Measuring point, top of board platform, 1.33 feet above lsd. Highest water level 14.99 below lsd, June 25, 1953; lowest 19.52 below lsd, Feb. 20, 1956. Records available: 1946-61. Jan. 4, 18.81; July 18, 18.52.

3-39-32bd. (MB) Clarence Yonkey. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth (remeasured 1961) 224 feet. Measuring point, hole in pump head base, 0.80 foot above lsd. Highest water level 154.64 below lsd, Oct. 18, 1961; lowest 178.74 below lsd, July 15, 1960. Records available: 1960-61. Jan. 17, 167.65; Feb. 21, 168.72; Apr. 13, 171.47; Oct. 18, 154.64.

3-40-9baa. (MB) P. G. Walter. Bored stock water-table well in Ogallala Formation, diameter 5 inches. Measuring point, edge of casing, 0.20 foot above lsd. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1946-61. Jan. 4, 20.54; July 18, 20.72

3-40-22aba. (MB) T. Holleman and others. Drilled unused water-table well in alluvium, diameter 5 inches, depth 19 feet. Measuring point, top of cement slab,

0.25 foot above lsd. Highest water level 10.02 below lsd, July 29, 1947; lowest 18.25 below lsd, Nov. 28, 1955. Records available: 1946-61. Jan. 4, 16.39; July 18, 16.45.

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

3-42-21bcc. (MB) Andrew Rueb. Drilled stock water-table well in Ogallala Formation, diameter 5 inches, depth 220 feet. Measuring point, hole in base of pump, 0.80 foot above lsd. Highest water level 201.45 below lsd, Dec. 23, 1953; lowest 203.01 below lsd, Aug. 6, 1959. Records available: 1953-61. Jan. 4, 202.52; July 18, 202.67.

3-42-22dad. (MB) F. F. Blair. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 162 feet. Measuring point, edge of 5-inch casing, 1.30 feet above lsd. Highest water level 137.85 below lsd, May 25, 1955; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-61. Jan. 4, 138.50; July 18, 138.53.

3-42-26cad. (MB) Henry Richers. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 196 feet. Measuring point, edge of 6-inch casing, 0.80 foot above lsd. Highest water level 175.70 below lsd, Aug. 30, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-61. Jan. 4, 176.60.

3-42-28dda. (MB) Clarence Raile. Drilled domestic and stock water-table well in Ogallala Formation, diameter 5 inches, depth 159 feet. Measuring point, hole in base of pump, 0.30 foot above lsd. Highest water level 146.10 below lsd, Aug. 21, 1956; lowest 152.45 below lsd, Nov. 7, 1960. Records available: 1953-61. Jan. 4, 152.40.

4-41-32ddb. (MB) Simon E. Matson. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 121 feet. Measuring point, top of casing, at land surface. Highest water level 102.75 below lsd, Aug. 12, 1958; lowest dry, Nov. 7, 1960. Records available: 1946-47, 1949-61. Jan. 4, 105.39; July 18, 105.42.

4-42-2ccc. (MB) Henry Lampe. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 190 feet. Measuring point, edge of 5-inch casing, 0.70 foot above lsd. Highest water level 176.66 below lsd, Sept. 2, 1953; lowest 179.26 below lsd, May 22, 1956. Records available: 1953-61. Jan. 4, 177.71; July 18, 177.99.

4-42-5aaa. (MB) W. E. Klie. Drilled domestic and stock water-table well in Ogallala Formation, diameter 5 inches, depth 223 feet. Measuring point, top of concrete curb, 1.20 feet above lsd. Highest water level 190.90 below lsd, Sept. 2, 1953; lowest 193.30 below lsd, July 19, 1960. Records available: 1953-61. Jan. 4, 192.70.

4-42-26bcb. (MB) Pete O'Brien. Drilled irrigation water-table well in Ogallala Formation, diameter 24 inches, depth 56 feet. Measuring point, edge of steel casing, 0.50 foot above lsd. Highest water level 20.53 below lsd, Apr. 18, 1960; lowest dry, July 18, 1960. Records available: 1954-61. Jan. 4, 21.51.

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: 1954-61. Apr. 13, 56.63.

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 (remeasured 1961) 33 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, 1950-61. Jan. 17, 26.79; Apr. 18, 26.73; July 18, 26.43; Oct. 23, 26.42.

10. (C) J. F. Folks Estate. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 32 S., R. 23 W. Drilled stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 21 feet. Measuring point, top south side of casing, 1.50 feet above lsd. Highest water level 12.82 below lsd, Jan. 21, 1959; lowest 17.63 below lsd, Sept. 27, 1946. Records available: 1940-47, 1954-61. Jan. 17, 15.87; Apr. 18, 15.50; July 18, 16.05; Oct. 23, 15.96.

30-23-6aa. (C) E. F. Houff. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth (remeasured 1961) 160 feet. Measuring point, top south side of casing, 0.70 foot above lsd. Highest water level 136.60 below lsd, Jan. 17, 1961; lowest 143.31 below lsd, Mar. 8, 1954. Records available: 1939, 1953-61. Jan. 17, 136.60; Apr. 18, 141.63; Oct. 23, 140.23.

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 22.43 below lsd, Mar. 20, 1957. Records available: 1950-61. Jan. 25, 21.40; May 17, 21.30; July 13, 18.60; Sept. 7, 20.60; Nov. 8, 19.40.

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 17.42 below lsd, Jan. 19, 1957. Records available: 1950-58. Measurement discontinued.

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 11.86 below lsd, Feb. 19, 1957. Records available: 1950-61. May 17, 10.40; July 13, 8.30; Sept. 7, 10.20; Nov. 8, 9.50.

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. Measurement discontinued.

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: 1950-61. May 17, 3.90; July 13, 3.40; Sept. 7, 3.80; Nov. 8, 1.70.

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 28.50 below lsd, Sept. 7, 1961. Records available: 1950-61. Jan. 25, 21.00; July 13, 17.50; Sept. 7, 28.50; Nov. 8, 18.50.

8-4-19cb. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth (corrected) 32 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 17.97 below lsd, Sept. 18, 1961; lowest 21.40 below lsd, Mar. 15, May 10, 1961. Records available: 1960-61. Mar. 15, 21.40; May 10, 21.40; June 26, 19.19; Sept. 18, 17.97.

8-4-30cbc. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 31 feet. Measuring point, top of pipe, 2.55 feet above lsd. Highest water level 16.40 below lsd, June 26, 1961; lowest 25.15 below lsd, Mar. 15, 1961. Records available: 1960-61. 1960: May 14, 20.55; Nov. 29, 24.47. 1961: Mar. 15, 25.15; May 10, 24.74; June 26, 16.40; Sept. 18, 16.91.

8-4-31ddd. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (corrected) 32 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 12.94 below lsd, June 26, 1961; lowest 22.80 below lsd, Mar. 15, 1961. Records available: 1960-61. Mar. 15, 22.80; May 10, 21.10; June 26, 12.94; Sept. 18, 13.47.

8-5-10bcb. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (corrected) 33 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 14.32 below lsd, Sept. 18, 1961; lowest 24.03 below lsd, May 14, 1960. Records available: 1960-61. May 10, 18.64; Sept. 18, 14.32.

8-5-13add. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (corrected) 33 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 21.70 below lsd, May 14, 1960; lowest 27.78 below lsd, May 10, 1961. Records available: 1960-61. May 10, 27.78; June 26, 25.89; Sept. 18, 25.44.

8-5-22bda. (MB) U.S.B.R. Bored observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth (corrected) 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.72 below lsd, Sept. 18, 1961; lowest 20.38 below lsd, Nov. 28, 1960. Records available: 1960-61. May 10, 20.13; June 26, 16.65; Sept. 18, 13.72.

8-5-25aa. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (corrected) 31 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 16.85 below lsd, Sept. 18, 1961; lowest 23.22 below lsd, May 10, 1961. Records available: 1960-61. May 10, 23.22; June 26, 17.68; Sept. 18, 16.85.

8-5-27ab. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (corrected) 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 19.78 below lsd, Sept. 18, 1961; lowest 22.57 below lsd, May 14, 1960. Records available: 1960-61. Mar. 15, 21.90; May 10, 21.84; June 26, 20.87; Sept. 18, 19.78.

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 (remeasured 1961) 39 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: 1940-61. Jan. 17, 36.83; Apr. 18, 37.08; July 18, 37.39; Oct. 23, 37.20.

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, 1955-61. Jan. 17, 75.29; July 18, 80.22; Oct. 23, 75.04.

CRAWFORD COUNTY

28-22-20cc. (C) City of Walnut. Drilled artesian municipal well in Cotter Dolomite, diameter 7 inches, depth 1,015 feet. Measuring point, top of casing, 8.00 feet above lsd. Highest water level 188.00 below lsd, Feb. 5, 1957; lowest 206.00 below lsd, Nov. 5, 30, 1956. Records available: 1956-58. No measurement made in 1961.

29-25-5cd. (C) City of Arma. Drilled artesian municipal well in Roubidoux Dolomite, diameter $13\frac{3}{8}$ inches, depth 1,175 feet. Measuring point, top of casing, at

land surface. Highest water level 310.13 below lsd, Aug. 31, 1956; lowest 316.24 below lsd, Dec. 28, 1960. Records available: 1956-58, 1960. No measurement made in 1961.

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 253.50 below lsd, Dec. 27, 1960. Records available: 1951, 1957-58, 1960-61. July 6, 252.40.

DECATUR COUNTY

1-26-18dd. (C) Wyatt Wiggins. Drilled stock well in alluvium, diameter 5 inches, depth 59 feet. Measuring point, hole in southeast part of casing cap, 0.50 foot above lsd. Highest water level 26.02 below lsd, July 13, 1960; lowest 30.73 below lsd, Oct. 13, 1959. Records available: 1959-61. Jan. 16, 28.82; Apr. 14, 28.90; July 11, 29.42.

1-29-19bdd. (C) Byron McCartney. Drilled irrigation well in alluvium, diameter 18 inches, depth (remeasured 1961) 52 feet. Measuring point, hole in north side of pump head base, 0.70 foot above lsd. Highest water level 10.07 below lsd, July 13, 1960; lowest 27.70 below lsd, July 15, 1959. Records available: 1959-61. Jan. 16, 12.58; Apr. 14, 12.19; July 11, 11.06; Oct. 17, 13.20.

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 97.44 below lsd, July 11, 1961; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-61. Jan. 16, 97.78; Apr. 14, 97.89; July 11, 97.44; Oct. 17, 97.49.

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 136.66 below lsd, July 25, 1961; lowest 143.10 below lsd, Feb. 8, 1954. Records available: 1952-61. Jan. 16, 141.55; Apr. 14, 141.68; July 11, 137.63; July 25, 136.66.

3-29-12bb. (C) Warren White. Drilled irrigation well in alluvium, diameter 18 inches, depth 62 feet. Measuring point, top of casing under hole in southwest corner of pump head base, 0.50 foot above lsd. Highest water level 20.92 below lsd, July 13, 1960; lowest 28.04 below lsd, Oct. 17, 1961. Records available: 1959-61. Jan. 16, 24.56; July 11, 26.61; Oct. 17, 28.04.

4-26-8ddd. (C) Reo Harris. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth (remeasured 1961) 76 feet. Measuring point, hole in southwest corner of pump head base, 1.25 feet above lsd. Highest water level 28.18 below lsd, Apr. 13, 1960; lowest 31.16 below lsd, Oct. 13, 1959. Records available: 1959-61. Jan. 16, 29.41; Apr. 14, 29.44; July 11, 29.44; Oct. 17, 29.62.

4-29-16cd. (C) E. R. Anderson. Drilled abandoned irrigation water-table well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 180 feet. Measuring point, north side top of casing, 1.00 foot above lsd. Highest water level 129.59 below lsd, Oct. 17, 1961; lowest 135.63 below lsd, Apr. 13, 1960. Records available: 1960-61. Jan. 16, 129.82; Apr. 14, 129.86; July 11, 129.75; Oct. 17, 129.59.

DOUGLAS COUNTY

12-20-17ccb. (C) Frank D. Walter. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 53 feet. Measuring point, east side of hole in top of box, 3.00 feet above lsd. Highest water level 14.47 below lsd, Apr. 29, 1952; lowest 26.33 below lsd, Mar. 30, 1957. Records available: 1952-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.80	21.07	21.04	18.82	.....	17.14	17.90	17.81	18.36	16.30	.....	14.93
10	20.84	21.08	20.95	18.59	.....	17.28	17.99	17.97	18.33	15.79	.....	15.14
15	20.87	21.12	20.23	18.24	.....	17.27	18.13	18.17	16.24	15.54	.....	15.35
20	20.92	20.98	20.09	18.16	.....	17.23	.....	18.31	16.32	15.74	.....	15.47
25	.....	20.89	19.90	18.08	16.96	17.41	17.89	18.42	15.90	.....	.....	15.62
30	20.98	.....	19.05	18.09	17.07	17.58	18.01	18.54	16.05	.....	14.66	15.75

12-20-29bba. (C) V. C. Fishel. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 29 feet. Measuring point, inside edge at top of pipe, 0.60 foot above lsd. Highest water level 14.40 below lsd, May 23, 1961; lowest 20.84 below lsd, May 27, 1957. Records available: 1957-59, 1961. May 23, 14.40.

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: 1952-60. No measurement made in 1961.

15-20-11cda. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone Member of Lawrence Shale, diameter 1¼ inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 44.43 below lsd, July 13, 1961; lowest 50.54 below lsd, Jan. 30, 1958. Records available: 1956-61. Jan. 7, 46.08; July 13, 44.43.

15-21-4bcc. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone Member of Lawrence Shale, diameter 5½ inches, depth 144 feet. Measuring point, top of well seal, 2.00 feet above lsd. Highest water level 16.73 below lsd, May 27, 1960; lowest 29.04 below lsd, Feb. 26, 1957. Records available: 1956-61. Jan. 7, 19.21; July 13, 20.42.

EDWARDS COUNTY

1. (C) M. Shouse. NW¼ SW¼ sec. 35, T. 24 S., R. 19 W. Dug and drilled unused water-table well in alluvium, diameter 16 inches, depth 28 feet. Measuring point, top north side of concrete curbing, 0.10 foot above lsd. Highest water level 3.17 below lsd, June 25, 1951; lowest 8.78 below lsd, Sept. 21, 1959. Records available: 1944-61. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	6.52	Mar. 20	6.25	May 25	7.55	July 17	7.06
Feb. 21	6.51	Apr. 17	7.35	June 20	7.00		

10. (C) E. F. Lippoldt. SW¼ SW¼ sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in Dakota Formation, diameter 4½ feet, depth (remeasured 1961) 68 feet, cribbed with rock. Measuring point, top of hole in concrete cover, 0.60 foot above lsd. Highest water level 61.86 below lsd, June 21, 1960; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-61.

Jan. 16	64.81	Apr. 17	63.91	July 17	62.85	Oct. 24	62.44
Feb. 21	64.08	May 25	62.93	Aug. 17	62.86	Nov. 21	63.01
Mar. 20	63.49	June 20	63.14	Sept. 26	62.58	Dec. 19	62.79

24-19-34ad. (1A) (Replacement for well no. 1) (C) Bored water-table well in alluvium, diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.43

feet above lsd. Highest water level 7.85 below lsd, Aug. 17, 1961; lowest 8.23 below lsd, Oct. 24, 1961. Records available: 1961. July 17, 8.06; Aug. 17, 7.85; Sept. 26, 8.05; Oct. 24, 8.23; Nov. 21, 8.12; Dec. 19, 8.00.

25-16-31dal. (C) E. B. Mayhew. Drilled unused well in Ogallala Formation, diameter 1½ inches, depth (remeasured 1961) 42 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: 1957-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	17.88	Apr. 19	17.89	July 19	17.93	Oct. 24	18.43
Feb. 22	17.96	May 25	17.76	Aug. 17	18.77	Nov. 21	18.35
Mar. 20	18.08	June 20	18.06	Sept. 2	18.37	Dec. 19	18.31

ELLIS COUNTY

215. (C) A. H. Romine. NE¼ NW¼ sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 22 feet, cribbed with rock. Measuring point, top edge of platform, west side of pump base, 3.50 feet above lsd. Highest water level 9.30 below lsd, Apr. 4, 1960; lowest 20.80 below lsd, Apr. 17, 1956. Records available: 1941-61. Jan. 18, 12.29; Apr. 11, 12.78; Apr. 15, 12.72; May 1, 13.13; May 9, 12.85; June 27, 9.43.

218. (C) W. W. Bemis. NE¼ NE¼ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell Sandstone zone of Carlile Shale, diameter 24 inches, depth 81 feet, cribbed with rock. Measuring point, top north side of hole in 2 x 8 cover, 0.50 foot above lsd. Highest water level 11.76 below lsd, July 23, 1951; lowest 58.71 below lsd, Mar. 30, 1957. Records available: 1941-61. Recorder removed May 1, 1961.

Jan. 20	34.75	Feb. 15	36.19	Mar. 20	38.70	May 1	33.53
25	34.99	20	36.50	25	39.07	9	22.25
30	35.24	25	36.79	30	39.47	June 27	16.90
Feb. 5	35.59	Mar. 5	37.30	Apr. 11	40.07	Sept. 19	14.25
10	35.84	15	38.26				

14-16-17cb. (MB) J. M. Schippers. Dug stock water-table well in alluvium, diameter 5 feet, depth 24 feet, cribbed with stone. Measuring point, top of board platform, 0.90 foot above lsd. Highest water level 15.22 below lsd, July 27, 1951; lowest 21.58 below lsd, Oct. 15, 1956. Records available: 1946-61. Mar. 16, 18.38; May 9, 18.30; June 27, 17.73; Sept. 19, 17.46.

14-16-36bc. (MB) Tony Wagner. Dug stock water-table well in alluvium, diameter 4 feet, depth 29 feet, cribbed with stone. Measuring point, top south edge of board platform, 1.50 feet above lsd. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 21.74 below lsd, May 10, 1947. Records available: 1946-52, 1955-61. Mar. 16, 19.10; May 9, 19.05; June 27, 18.72; Sept. 19, 18.12.

14-20-32dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ 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: 1950-61. Mar. 16, 21.93; May 9, 21.80; June 27, 21.43; Sept. 19, 21.29.

15-18-1bb. (MB) Mat Rohr. Dug stock and observation water-table well in deposits of Pleistocene age, diameter 24 inches, depth 33 feet, cribbed with stone. Measuring point, top south edge of pump base, 0.50 foot above lsd. Highest water

level 12.80 below lsd, June 13, 1960; lowest 28.22 below lsd, July 24, 1946. Records available: 1946-61. Mar. 16, 17.28; May 9, 15.59; June 27, 14.38; Sept. 19, 13.15.

15-18-16bb. (MB) T. W. Wolf. Dug domestic and stock water-table well in alluvium, diameter 40 inches, depth 16 feet, cribbed with stone. Measuring point, top east edge of curb, 2.50 feet above lsd. Highest water level 1.17 below lsd, May 15, 1951; lowest 10.28 below lsd, Oct. 15, 1956. Records available: 1946-61. Mar. 16, 8.07; May 9, 6.90; June 27, 5.00; Sept. 19, 2.75.

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: 1949-61. Mar. 16, 10.40; May 9, 10.45; June 27, 8.77; Sept. 19, 7.06.

15-19-6aa. (MB) Aug. Leiker. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 6 inches, depth 60 feet. 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, 1954-61. Mar. 16, 53.39; May 9, 55.00; June 27, 54.95; Sept. 19, 54.73.

15-19-9cc. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 54 feet. 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: 1949-61. Mar. 16, 34.91; May 9, 34.93; June 27, 34.78; Sept. 19, 34.57.

15-19-15dd. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 23.80 below lsd, Dec. 5, 1960; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-61. Mar. 16, 24.40; May 9, 24.47; June 27, 24.32; Sept. 19, 24.03.

15-20-1bb. (MB) U.S.G.S. Jetted observation water-table well in sand and terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ 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, 1955-61. Mar. 16, 22.00; May 9, 21.97; June 27, 21.74; Sept. 19, 21.42.

15-20-12aa. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits 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 37.00 below lsd, Feb. 28, 1952; lowest 39.31 below lsd, Mar. 16, 1950. Records available: 1949-61. Mar. 16, 38.70; May 9, 38.53; June 27, 38.37; Sept. 19, 38.17.

ELLSWORTH COUNTY

16-6-35bdd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 26 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: 1950-61. Mar. 17, 20.29; May 11, 19.76; June 28, 18.13; Aug. 24, 18.12; Sept. 20, 18.20; Dec. 28, 17.30.

FINNEY COUNTY

1. (C) Mrs. A. M. Reid. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well in alluvium, diameter 15 inches, depth 21 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 1.05 below lsd, June 29, 1951; lowest 17.23 below lsd, Nov. 5, 10, 1956. Records available: 1936-1961.

Geological Survey of Kansas

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.59	14.36	14.38	15.00	14.22	15.80	15.37	15.94	15.24	16.44	16.24	15.89
10	14.52	14.33	14.40	14.85	14.79	15.89	15.46	15.77	15.04	16.49	16.18	15.83
15	14.50	14.29	14.51	14.89	14.58	15.83	15.85	16.01	15.37	16.47	16.10	15.76
20	14.48	14.28	14.60	14.89	15.29	15.26	14.90	16.25	15.85	16.41	16.04	15.69
25	14.44	14.30	14.70	12.94	15.64	14.68	14.86	13.77	16.15	16.36	15.99	15.63
30	14.41	.....	14.86	13.52	15.77	15.20	15.31	14.91	16.33	16.31	15.95	15.52
EOM	14.40	14.33	14.88	.....	15.78	.....	15.45	15.14	.....	16.28	.....	15.51

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 in east side of pump base, 0.40 foot above lsd. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 25.80 below lsd, Nov. 10, Dec. 5, 1961. Records available: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15	24.28	May 15	25.12	Aug. 2	25.32	Nov. 10	25.80
Mar. 13	24.50	June 20	25.10	Sept. 5	25.58	Dec. 5	25.80
Apr. 19	24.85	July 5	25.14	Oct. 2	25.79		

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: 1939-61. Jan. 3, 16.56; June 7, 16.40; Sept. 5, 17.12; Oct. 2, 16.96.

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: 1939-61. Feb. 15, 73.58; May 16, 74.08; Aug. 7, 75.10; Nov. 7, 74.49.

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 9 feet since 1955. 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: 1939-61.

Jan. 16	3.88	Apr. 19	3.99	June 20	3.91	Nov. 28	3.90
Feb. 20	3.77	May 15	4.06	July 17	4.20	Dec. 5	3.68
Mar. 20	4.00						

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 81.94 below lsd, Aug. 2, 1961. Records available: 1934, 1939-61.

Jan. 3	75.05	June 9	79.00	Aug. 2	81.94	Oct. 2	79.13
May 26	78.43	July 17	80.44	Sept. 25	78.08	Nov. 10	76.50

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: 1942-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	115.57	Apr. 19	115.85	Aug. 21	116.70	Nov. 28	115.89
Feb. 20	115.46	May 15	119.55	Sept. 18	117.00	Dec. 18	115.50
Mar. 20	116.18	June 20	115.10	Oct. 16	116.08		

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 25.20 below lsd, Apr. 29, 1960; lowest 29.07 below lsd, July 18, 1957. Records available: 1951-61. Apr. 10, 26.20; Oct. 2, 26.90.

22-34-26ad. (C) Owner unknown. Drilled unused domestic and stock well in Ogallala Formation, diameter 5 inches, depth 163 feet. Measuring point, top edge of 3 x 3-inch wood clamp, 0.90 foot above lsd. Highest water level 49.43 below lsd, Mar. 13, 1959; lowest 67.90 below lsd, Sept. 13, 1961. Records available: 1957-61. Mar. 13, 59.53; June 9, 61.44; Sept. 13, 67.90; Dec. 6, 60.08.

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 61.98 below lsd, Nov. 10, 1961; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-61. Feb. 15, 62.82; May 23, 64.00; Aug. 2, 62.84; Nov. 10, 61.98.

23-33-28dc. (C) Wendeline Richmeier. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 310 feet. Measuring point, top of hole in base of pump, at land surface. Highest water level 47.16 below lsd, Mar. 28, 1960; lowest 66.60 below lsd, Sept. 13, 1961. Records available: 1959-61. June 9, 58.19; Sept. 13, 66.60; Dec. 6, 54.54.

25-32-31dd. (C) Harry Lightner. Drilled artesian irrigation well in Ogallala Formation, diameter 16 inches, depth 140 feet. Measuring point, lower east edge of sloping pipe, 1.12 feet above lsd. Highest water level 63.35 below lsd, Jan. 19, 1959; lowest 67.83 below lsd, Sept. 27, 1960. Records available: 1958-61. Jan. 4, 64.66.

26-31-1dd. (C) Mearl Hutton. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 180 feet. Measuring point, west outside edge of sloping pipe, 1.00 foot above lsd. Highest water level 71.89 below lsd, Apr. 30, 1959; lowest 72.27 below lsd, Jan. 8, 1960. Records available: 1959-61. Jan. 4, 72.22.

26-32-31cc. (C) Cecil Snodgrass. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 445 feet. Measuring point, top hole in northeast side steel pump base, 1.30 feet above lsd. Highest water level 109.17 below lsd, Jan. 19, 1959; lowest 112.62 below lsd, Aug. 4, 1959. Records available: 1959-59, 1961. Aug. 7, 111.28; Nov. 7, 110.63.

26-33-17ac. (C) William F. Stone. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 200 feet. Measuring point, hole in east side of pump base, 1.50 feet above lsd. Highest water level 60.78 below lsd, Jan. 8, 1960; lowest 61.07 below lsd, Jan. 6, 1961. Records available: 1960-61. Jan. 6, 61.07.

FORD COUNTY

8. (C) F. H. Diehl. NW¼ NW¼ sec. 34, T. 26 S., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth (remeasured 1961) 20 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: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	7.06	Apr. 18	6.76	Aug. 17	7.49	Nov. 21	7.16
Feb. 21	6.61	May 25	6.66	Sept. 26	7.20	Dec. 19	7.09
Mar. 30	6.55	June 20	6.76	Oct. 24	7.36		

96a. (C) Henry Hatstrup. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 26 S., R. 21 W. Driven unused well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth (remeasured 1961) 12 feet. Measuring point, 0.60 foot above lsd. Highest water level 6.49 below lsd, Apr. 19, 1960; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1956-61. Jan. 17, 7.74; Apr. 17, 7.87; July 17, 8.18; Oct. 24, 8.26.

1002. (C) U.S. Army. Cen. SE $\frac{1}{4}$ sec. 12, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala Formation, diameter 16 inches, depth (remeasured 1961) 261 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: 1942-61.

Jan. 17	104.29	Apr. 18	104.00	July 18	104.08	Nov. 21	104.56
Feb. 21	105.46	May 25	104.20	Sept. 26	104.40	Dec. 19	104.79
Mar. 20	104.45	June 20	104.77	Oct. 24	104.22		

25-22-20aa. (C) Mary Arends. Drilled cemetery well in Ogallala Formation, diameter 5 $\frac{1}{2}$ inches, depth (remeasured 1961) 72 feet. Measuring point, hole in pump base under pump handle, 0.20 foot above lsd since Oct. 1961. Highest water level 63.44 below lsd, Apr. 17, 1961; lowest 67.75 below lsd, Oct. 18, 1951. Records available: 1939, 1951-61. Jan. 17, 63.45; Apr. 17, 63.44; Oct. 24, 64.59.

29-21-5bb. (C) E. R. and Maynard L. Estes. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth (remeasured 1961) 131 feet. Measuring point, flap in north side of pump base, 0.50 foot above lsd. Highest water level 79.50 below lsd, May 1956; lowest 97.07 below lsd, Oct. 23, 1961. Records available: 1956, 1959-61. Jan. 17, 95.47; Apr. 18, 95.24; July 18, 95.48; Oct. 23, 97.07.

GOVE COUNTY

11-27-16aa. (C) M. E. Neher. Drilled unused well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 108 feet. Measuring point, base of pump, at land surface. Highest water level 93.77 below lsd, Oct. 18, 1961; lowest 95.40 below lsd, Aug. 27, 1956. Records available; 1952-61. Jan. 17, 93.97; Apr. 12, 93.94; July 13, 93.83; Oct. 18, 93.77.

11-29-9ab. (C) Leo Boxberger. Drilled stock well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 131 feet. Measuring point, hole in west side of pump base, 1.00 foot above lsd. Highest water level 123.97 below lsd, Apr. 12, 1961; lowest 126.43 below lsd, July 13, 1961. Records available: 1959-61. Jan. 17, 124.65; Apr. 12, 123.97; July 13, 126.43; Oct. 18, 125.01.

11-31-10aa. (C) Thos. P. Johnstone. Drilled unused well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 99 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: 1952-61; Jan. 17, 90.27; Apr. 12, 89.99; July 13, 90.36; Oct. 18, 90.27.

13-30-33bb. (C) Richard Benson. Dug domestic and stock well in Niobrara Chalk, diameter 60 inches, depth 58 feet. Measuring point, bottom of south side of pump base, 0.50 foot above lsd. Highest water level 20.38 below lsd, Apr. 13, 1959; lowest 24.60 below lsd, Jan. 11, 1960. Records available: 1959-61. Jan. 17, 23.71; Apr. 12, 24.35; July 13, 23.16; Oct. 18, 24.03.

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: 1956-61. Jan. 17, 32.23; Apr. 12, 32.35; July 13, 29.96; Oct. 18, 30.00.

15-29-30cb. (C) Henry York. Drilled domestic well in deposits of Pleistocene age and Niobrara Chalk, diameter 5 inches, depth 26 feet. Measuring point, top west side of casing, 1.80 feet above lsd. Highest water level 19.48 below lsd, Apr. 11, 1960; lowest 22.20 below lsd, Jan. 11, 1960. Records available: 1956-61. Jan. 17, 21.29; Apr. 12, 21.35.

GRAHAM COUNTY

6-23-12ccb. (C) H. Hauser. Drilled stock well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 69 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 60.60 below lsd, Oct. 17, 1961; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-61. Jan. 16, 62.05; Apr. 14, 62.37; July 11, 61.36; July 24, 61.28; Oct. 17, 60.60.

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 33.83 below lsd, Apr. 11, 1960; lowest 46.12 below lsd, Nov. 26, 1956. Records available: 1952-61. Jan. 16, 36.51; Apr. 12, 37.20; July 25, 35.49; Oct. 17, 34.87.

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: 1952-61. Jan. 16, 30.22; Apr. 12, 30.90; July 11, 25.99; July 25, 26.70; Oct. 17, 27.81.

8-22-33dcd. (C) F. O. Dunwoody. Drilled unused stock well in terrace deposits of Pleistocene age, diameter 8 inches, depth (remeasured 1961) 23 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: 1952-61. Jan. 16, 16.01; Apr. 12, 16.15; July 14, 14.25; Oct. 17, 13.99.

10-23-14bcc. (C) J. Diebolt. Drilled unused well in Ogallala Formation, diameter 4 inches, depth (remeasured 1961) 44 feet. Measuring point, hole in west side of pump base, 0.15 foot above lsd. Highest water level 26.17 below lsd, July 14, 1960; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-61. Jan. 17, 27.36; Apr. 12, 27.30; July 14, 26.31; Oct. 18, 26.27.

GRANT COUNTY

4. (C) Flossie J. Andes. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 27 S., R. 38 W. Drilled stock well in deposits of Pleistocene age and Ogallala Formation, diameter 8 inches, depth 101 feet. Measuring point, top of concrete, 0.70 foot above lsd. Highest water level 83.94 below lsd, Dec. 8, 1952; lowest dry, Sept. through Dec. 1958, Mar. 13, Apr. 3, Nov. 13, 1959, May 11, Aug. 23, 1960. Records available: 1941-54, 1956-60. No measurement made in 1961.

5. (C) C. L. Jury. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 6 inches,

depth 162 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 83.95 below lsd, May 22, 1961. Records available: 1941-61. Feb. 14, 75.19; May 22, 83.95; Aug. 9, 83.90; Nov. 8, 80.05.

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 69.12 below lsd, Oct. 25, 1961. Records available: 1944-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	66.10	.....	66.69	67.15	67.43	.....	.....	68.23	68.63	68.98	60.08	68.83
10	66.06	66.23	66.81	67.21	67.45	.....	67.82	68.31	68.75	69.03	69.06	68.80
15	66.02	66.38	66.87	67.26	67.51	.....	67.89	68.39	68.82	69.08	69.03	68.77
20	66.01	66.48	66.91	67.30	67.55	.....	67.95	68.44	68.87	69.10	69.00	68.72
25	66.01	66.54	66.96	67.36	.....	.....	68.03	68.52	68.91	69.12	68.94	68.67
30	66.00	.....	67.08	67.40	.....	.....	68.14	68.56	68.93	69.11	68.89	68.63
EOM	66.00	66.59	67.10	.....	.....	.....	68.16	68.57	.....	69.10	.....	68.62

27-35-16cb. (C) Craig Howard. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 186 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 145.000 below lsd, Oct. 9, 1951; lowest 179.82 below lsd, Aug. 22, 1960. Records available: 1941-42, 1951-61. Feb. 14, 178.81; May 16, 179.50; Aug. 7, 179.43; Nov. 7, 179.17.

27-36-21dc. (C) Clarence W. McCauley. Drilled irrigation artesian well in deposits of Pleistocene and Pliocene ages. Measuring point, top hole in steel pump base, east side, 0.40 foot above lsd. Highest water level 201.80 below lsd, Mar. 28, 1960; lowest 204.27 below lsd, Sept. 30, 1958. Records available: 1958-60. Measurement discontinued.

27-38-15bb. (C) Mrs. Charles Andes. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 450 feet. Measuring point, outside edge of bolt hole at top of pump, 0.50 foot above lsd. Highest water level 97.15 below lsd, Jan. 15, 1958; lowest 114.05 below lsd, Nov. 8, 1961. Records available: 1958-61. Feb. 14, 107.30; Nov. 8, 114.05.

27-38-23cb1. (C) L. F. Hohner. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 272 feet. Measuring point, top east side of casing, 0.80 foot above lsd. Highest water level 41.25 below lsd, Mar. 9, 1943; lowest 123.88 below lsd, Mar. 20, 1961. Records available: 1943, 1955, 1958-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	70.08	69.40	.....	.....	.....	80.28	.....	.....	.....	89.38	91.50	85.80
10	70.28	60.06	102.42	.....	94.80	78.86	.....	.....	.....	95.04	85.96	85.95
15	69.99	69.20	97.89	.....	89.40	78.52	.....	.....	93.95	93.51	84.82	79.82
20	69.89	101.51	123.88	.....	90.34	105.70	.....	.....	91.15	93.40	81.89	78.53
25	69.75	.....	.....	.....	85.24	.....	.....	.....	89.46	92.20	80.60	77.60
30	69.47	.....	.....	.....	82.48	.....	.....	.....	87.88	93.08	79.51	77.03
EOM	69.45	.....	.....	.....	82.07	.....	.....	.....	.....	92.84	.....	77.14

27-38-32bc. (C) G. M. Coffey. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 275 feet. Measuring point, top of casing, south side 2.00 feet above lsd. Highest water level 49.66 below lsd, Nov. 29, 1940; lowest 110.19 below lsd, Sept. 20, 1960. Records available: 1940, 1958-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	84.71	90.22	92.15	98.87	96.51	88.20	93.48	102.83	106.88	103.08	91.77	88.72
10	84.49	89.46	91.20	93.21	101.57	87.46	95.80	101.97	103.43	97.60	91.30	.....
15	84.76	94.25	92.28	93.07	103.49	87.50	96.48	98.90	100.30	95.47	90.75	.....
20	86.51	93.86	89.48	98.59	102.19	88.67	106.31	96.52	94.95	94.31	89.62	.....
25	90.79	89.46	98.78	99.60	94.58	88.05	104.60	101.26	94.00	92.71	89.18	.....
30	90.33	.....	100.70	99.49	89.94	88.29	107.32	107.65	103.31	91.64	88.78	.....
EOM	91.14	90.60	100.70	.....	89.91	.....	106.64	107.71	.....	91.88	.....	.....

28-35-31cd1. (C) Magnolia Pet Co. Drilled industrial artesian well in Ogallala Formation, diameter 12-18 inches, depth 314 feet. Measuring point, hole in south side pump base, 1.60 feet above lsd. Highest water level 221.90 below lsd, May 28, 1958; lowest 245.90 below lsd, May 7, 1959. Records available: 1958-61. Feb. 13, 224.55; May 16, 239.20; Aug. 9, 237.67.

28-38-7bb. (C) Mrs. Dellia Pinegar. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 284 feet. Measuring point, lower edge of cutout in north side pump base, 0.7 foot above lsd. Highest water level 82.36 below lsd, Mar. 21, 1960; lowest 115.05 Jan. 17, 1958. Records available: 1958-61. May 22, 105.40; Nov. 8, 112.39.

28-38-16db1. (C) Tacy Marie Halloday. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 370 feet. Measuring point, top north side of casing, at land surface. Highest water level 72.75 below lsd, Mar. 10, 1960; lowest 125.72 below lsd, May 6, 1959. Records available: 1959-60. Measurement discontinued.

30-35-19bc1. (C) Eual P. Brewer. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 430 feet. Measuring point, top hole in steel pump base, northeast side, 0.20 foot above lsd. Highest water level 144.43 below lsd, Feb. 23, 1959; lowest 147.25 below lsd, Nov. 23, 1959. Records available: 1958-60. Measurement discontinued.

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 148.35 below lsd, Nov. 7, 1961. Records available: 1941, 1952-61. Feb. 13, 139.85; Nov. 7, 148.35.

30-38-6bc. (C) L. W. Bailey. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 414 feet. Measuring point, hole in steel pump base on east side, 1.00 foot above lsd. Highest water level, 60.61 below lsd, Apr. 1, 1960; lowest 65.26 below lsd, Aug. 26, 1958. Records available: 1958-60. Measurement discontinued.

GRAY COUNTY

3a. (C) N. A. Mans. NE¼ SW¼ NW¼ 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 158.04 below lsd, July 18, 1961; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-61. Jan. 4, 158.15; Apr. 4, 158.15; July 18, 158.04; Oct. 3, 158.05.

24-28-36ac. (C) Art Schartz. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 163 feet. Measuring point, pump base, 0.9 foot above lsd. Highest water level 84.16 below lsd, Oct. 3, 1961; lowest 85.06, July 13, 1960. Records available: 1956, 1959-61. Jan. 4, 84.28; Apr. 4, 84.20; July 18, 84.20; Oct. 3, 84.16.

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 of 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, 1953-61. Jan. 4, 81.13; Apr. 4, 81.28; Oct. 3, 81.31.

27-27-9bb. (C) Donald Culver. Drilled irrigation artesian well in Ogallala Formation, diameter 20 inches, depth 105 feet. Measuring point, upper edge of hole in east side of pump, 0.5 foot above lsd. Highest water level 74.89 below lsd, Jan. 6, 1960; lowest 75.00 below lsd, Jan. 4, 1961. Records available: 1960-61. Jan. 4, 75.00.

27-29-1aa. (C) Pete Breitenbach. Drilled unused domestic artesian well in Ogallala Formation, diameter 2 inches, depth 88 feet. Measuring point, top of pipe, south side, 5.0 feet above lsd. Highest water level 71.91 feet below lsd, July 13, 1960; lowest 72.30 below lsd, Apr. 4, 1961. Records available: 1960-61. Jan. 4, 72.04; Apr. 4, 72.30; July 18, 72.10; Oct. 3, 72.25.

27-30-10dc. (C) M. D. Frazier. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 120 feet. Measuring point, top of opening in pump base, 0.5 foot above lsd. Highest water level 53.92 below lsd, Apr. 30, 1959; lowest 63.20 below lsd, Dec. 5, 1940. Records available: 1940, 1959-61. Jan. 4, 55.09.

28-30-17bb. (C) Earl A. Nelson. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 300 feet. Measuring point, upper edge of hole in south side pump, 0.8 foot above lsd. Highest water level 107.05 below lsd, Jan. 6, 1959; lowest 107.63 below lsd, Jan. 4, 1961. Records available: 1959-61. Jan. 4, 107.63.

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 69.29 feet below lsd, Oct. 3, 1961; lowest 69.82 below lsd, July 17, 1959. Records available: 1958-61. Jan. 4, 69.65; Apr. 4, 69.70; July 18, 69.69; Oct. 3, 69.29.

29-28-28cd. (C) Delbert McCune. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 204 feet. Measuring point, hole in southwest side pump base, 1.00 foot below lsd. Highest water level 87.60 below lsd, Apr. 18, 1960; lowest 90.58 below lsd, Oct. 3, 1961. Records available: 1959-61. Jan. 4, 89.41; Oct. 3, 90.58.

29-29-10bb. (C) Walter Schmidt. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 165 feet. Measuring point, hole in south side pump base, 1.5 feet above lsd. Highest water level 85.38 below lsd, Jan. 6, 1960; lowest 86.97 below lsd, Oct. 19, 1960. Records available: 1959-61. Jan. 4, 86.01; Oct. 3, 86.80.

GREELEY COUNTY

16-39-33cc. (C) Robert Hoard. Domestic and stock well in Ogallala Formation, diameter 6 inches, depth 107 feet. Measuring point, top board covering casing, 0.80 foot above lsd. Highest water level 72.95 below lsd, June 8, 1960; lowest 73.64 below lsd, Dec. 8, 1959. Records available: 1959-61. Mar. 7, 73.30; June 12, 73.44; Sept. 13, 73.07; Dec. 6, 73.18.

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 134.08 below lsd, Dec. 6, 1961. Records available: 1947-61. Mar. 7, 132.74; June 12, 133.48; Sept. 13, 134.00; Dec. 6, 134.08.

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: 1954-61. Mar. 7, 194.65; June 12, 194.48; Sept. 13, 194.65; Dec. 6, 194.65.

HAMILTON COUNTY

2a. (C) Chester Huser. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 23 S., R. 43 W. Drilled irrigation well in alluvium, diameter 40 inches, depth 29 feet. South well of a battery of three irrigation wells. Measuring point, top west side of concrete curb, 1.31 feet above lsd. Highest water level 11.44 below lsd, June 29, 1951; lowest 15.44 below lsd, Oct. 26, 1956. Records available: 1944-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	13.09	Apr. 20	12.57	July 20	12.57	Oct. 19	12.47
Feb. 23	12.59	May 25	14.47	Aug. 24	13.84	Nov. 22	12.08
Mar. 23	12.64	June 22	12.46	Sept. 21	13.43	Dec. 21	11.93

3. (C) B. Rees. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 40 W. Dug and drilled unused water-table well in alluvium, diameter 12 inches, depth 25 feet. Measuring point, top of bolt in west side of concrete, 0.25 foot above lsd. Highest water level 11.45 below lsd, May 31, 1951; lowest 17.29 below lsd, Sept. 21, 1956. Records available: 1939-61. Well destroyed.

Jan. 19	15.36	Mar. 23	15.81	May 25	15.85	July 20	15.28
Feb. 23	15.45	Apr. 20	15.80	June 22	15.48	Aug. 24	14.89

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: 1939-61. Jan. 19, 51.10; Feb. 23, 51.62; Mar. 23, 52.32; Apr. 20, 53.63; May 25, 53.33.

26-40-18ba. (C) M. Williamson. Drilled stock well in Dakota Formation, diameter 6 inches, depth 134 feet. Measuring point, top of wooden clamp, northwest side, 1.00 foot above lsd. Highest water level 110.95 below lsd, July 14, 1959; lowest 123.60 below lsd, Sept. 28, 1939. Records available: 1939, 1959-61. Jan. 6, 110.98.

26-42-22cd. (C) Harold Payne. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 265 feet. Measuring point, hole in southeast side of pump, 1.00 foot above lsd. Highest water level 87.42 below lsd, Jan. 5, 1960; lowest 98.33 below lsd, July 14, 1959. Records available: 1959-61. Jan. 6, 88.16.

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 11.53 below lsd, Aug. 27, 1961; lowest 22.09 below lsd, Mar. 24, 31, 1957. Records available: 1956-61.

Jan. 29	14.17	Apr. 30	13.79	July 30	12.45	Oct. 29	13.20
Feb. 26	14.02	May 28	12.22	Aug. 27	11.53	Nov. 26	12.74
Mar. 26	13.80	June 25	13.82	Sept. 24	13.20	Dec. 31	12.84

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,

2.50 feet above lsd. Highest water level 22.50 below lsd, Oct. 15, 1954; lowest 36.79 below lsd, Oct. 28, 1956. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	28.29	Apr. 30	27.98	July 30	28.92	Oct. 29	27.13
Feb. 26	27.47	May 28	27.24	Aug. 27	27.25	Nov. 26	26.60
Mar. 26	26.99	June 25	28.67	Sept. 24	27.57	Dec. 31	26.60

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 26.89 below lsd, June 1, 1961; lowest 38.46 below lsd, Aug. 31, 1956. Records available: 1954-61.

Jan. 1	28.59	Apr. 28	27.51	July 31	27.36	Oct. 30	30.13
Feb. 1	28.65	June 1	26.89	Sept. 1	28.84	Nov. 30	28.83
Mar. 1	28.84	July 1	27.58	29	28.47	Dec. 29	28.77
30	28.07						

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 23.60 below lsd, Jan. 1, 1959; lowest 36.33 below lsd, Aug. 31, 1956. Records available: 1954-61.

Jan. 1	27.34	Apr. 28	26.53	July 31	24.69	Oct. 30	30.25
Feb. 1	27.12	June 1	26.59	Sept. 1	27.45	Nov. 30	29.19
Mar. 1	28.07	July 1	26.65	29	27.92	Dec. 29	28.50
30	27.62						

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 24.13 below lsd, July 31, 1961; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-61.

Jan. 1	25.98	Apr. 28	25.52	July 31	24.13	Oct. 30	29.30
Feb. 1	25.66	June 1	25.86	Sept. 1	25.90	Nov. 30	28.49
Mar. 1	26.79	July 1	25.78	29	26.45	Dec. 29	27.84
30	26.66						

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 17.47 below lsd, Jan. 1, 1959; lowest 27.77 below lsd, Nov. 1, 1956. Records available: 1954-61.

Jan. 1	21.14	Apr. 28	19.97	July 31	19.06	Oct. 30	20.63
Feb. 1	21.27	June 1	18.72	Sept. 1	20.09	Nov. 30	19.35
Mar. 1	21.20	July 1	19.01	29	19.73	Dec. 29	19.62
30	20.79						

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 17.92 below lsd, July 31, 1961; lowest 31.58 below lsd, Aug. 31, 1956. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	20.22	Apr. 28	19.11	July 31	17.92	Oct. 30	22.84
Feb. 1	19.49	June 1	18.21	Sept. 1	20.58	Nov. 30	21.58
Mar. 1	20.75	July 1	19.32	29	20.36	Dec. 29	21.15
30	19.80						

106. (C) City of Wichita, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 22.73 below lsd, Sept. 29, 1960; lowest 27.68 below lsd, Aug. 31, 1956. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	24.40	Apr. 28	24.49	July 31	23.82	Oct. 30	24.72
Feb. 1	24.63	June 1	24.10	Sept. 1	24.02	Nov. 30	24.43
Mar. 1	24.30	July 1	24.25	29	23.92	Dec. 29	24.35
30	24.53						

107. (C) City of Wichita. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 66 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 33.03 below lsd, Feb. 1, 1961; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	36.16	Apr. 28	36.16	July 31	37.59	Oct. 30	35.00
Feb. 1	33.03	June 1	34.40	Sept. 1	38.12	Nov. 30	36.26
Mar. 1	35.70	July 1	35.05	29	35.13	Dec. 29	37.80
30	35.70						

108. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.06 below lsd, July 27, 1954; lowest 13.22 below lsd, Apr. 1, 1957. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.87	Apr. 28	11.84	July 31	11.65	Oct. 30	11.58
Feb. 1	11.93	June 1	11.82	Sept. 1	11.65	Nov. 30	11.60
Mar. 1	11.15	July 1	11.70	29	11.62	Dec. 29	11.60
30	11.95						

109. (C) City of Wichita. NE cor. sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.76 below lsd, Oct. 2, 1958; lowest 15.03 below lsd, Apr. 1, 1957. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.88	Apr. 28	12.85	July 31	11.75	Oct. 30	12.07
Feb. 1	12.99	June 1	12.02	Sept. 1	12.06	Nov. 30	11.94
Mar. 1	13.05	July 1	12.22	29	11.87	Dec. 29	12.00
30	13.05						

110. (C) City of Wichita. SW cor. sec. 25, 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 4.85 below lsd, July 31, 1961; lowest 10.36 below lsd, Mar. 1, 1957. Records available: 1954-61.

Jan. 1	7.34	Apr. 28	7.32	July 31	4.85	Oct. 30	6.36
Feb. 1	7.58	June 1	5.89	Sept. 1	5.81	Nov. 30	5.86
Mar. 1	7.65	July 1	6.02	29	5.88	Dec. 29	6.22
30	7.53						

111. (C) City of Wichita. SE cor. sec. 2, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.85 below lsd, June 1, 1961; lowest 20.12 below lsd, Oct. 1, 1956. Records available: 1954-61.

Jan. 1	12.33	Apr. 28	12.23	July 31	10.94	Oct. 30	11.91
Feb. 1	12.77	June 1	10.85	Sept. 1	11.25	Nov. 30	11.55
Mar. 1	12.87	July 1	11.55	29	11.22	Dec. 29	12.00
30	12.59						

112. (C) City of Wichita. SE cor. sec. 25, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.07 below lsd, Dec. 29, 1961; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-61.

Jan. 1	17.07	Apr. 28	17.25	July 31	15.14	Oct. 30	14.47
Feb. 1	17.16	June 1	16.30	Sept. 1	14.71	Nov. 30	14.11
Mar. 1	17.28	July 1	15.97	29	14.38	Dec. 29	14.07
30	17.32						

113. (C) City of Wichita. NW cor. sec. 29, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1954-61.

Jan. 1	17.13	Apr. 28	17.61	July 31	14.88	Oct. 30	15.80
Feb. 1	17.59	June 1	15.95	Sept. 1	15.36	Nov. 30	15.21
Mar. 1	17.62	July 1	16.27	29	15.17	Dec. 29	15.89
30	17.70						

118. (C) City of Wichita. SE cor. sec. 27, T. 23 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.85	Mar. 30	12.78	July 1	12.56	Nov. 30	13.21
Feb. 1	13.12	Apr. 28	12.66	31	12.74	Dec. 29	13.56
Mar. 1	13.17	June 1	11.36	Sept. 1	13.45		

119. (C) City of Wichita. NW cor. sec. 6, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 26.82 below lsd, June 1, 1961; lowest 36.76 below lsd, Oct. 1, 1956. Records available: 1955-61.

Jan. 1	28.73	Apr. 28	29.06	July 31	27.78	Oct. 30	28.33
Feb. 1	29.28	June 1	26.82	Sept. 1	28.04	Nov. 30	28.14
Mar. 1	29.48	July 1	27.90	29	27.79	Dec. 29	28.61
30	29.50						

120. (C) City of Wichita. SE cor. sec 1, T. 24 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.35 below lsd, Mar. 30, 1960, June 1, 1961; lowest 23.00 below lsd, Oct. 1, 1956. Records available: 1955-61.

Jan. 1	14.93	Apr. 28	14.90	July 31	13.37	Oct. 30	14.70
Feb. 1	15.53	June 1	12.35	Sept. 1	13.92	Nov. 30	14.31
Mar. 1	15.73	July 1	13.67	29	13.83	Dec. 29	15.04
30	15.86						

121. (C) City of Wichita. SW cor. sec. 5, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 81 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 41.25 below lsd, June 1, 1961; lowest 54.18 below lsd, May 31, 1956. Records available: 1955-61.

Jan. 1	43.60	Apr. 28	44.29	July 31	41.70	Oct. 30	43.07
Feb. 1	44.70	June 1	41.25	Sept. 1	42.62	Nov. 30	43.12
Mar. 1	45.02	July 1	42.50	29	42.32	Dec. 29	43.85
30	45.32						

122. (C) City of Wichita. NW cor. sec. 18, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1955-61.

Jan. 1	18.68	Apr. 28	18.40	July 31	18.08	Oct. 30	18.77
Feb. 1	19.00	June 1	17.59	Sept. 1	18.75	Nov. 30	17.95
Mar. 1	18.76	July 1	18.70	29	18.10	Dec. 29	18.38
30	18.09						

123. (C) City of Wichita. SE cor. sec. 7, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	29.18	Apr. 28	29.62	July 31	27.11	Oct. 30	28.40
Feb. 1	29.94	June 1	27.25	Sept. 1	27.53	Nov. 30	28.10
Mar. 1	30.17	July 1	28.14	29	27.30	Dec. 29	28.89
30	30.17						

506. (C) W. G. Backhaus. NW¼ NE¼ 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: 1938-61. Recorder removed Jan. 1, 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	13.93	Apr. 28	13.21	July 31	13.26	Oct. 30	14.60
Feb. 1	12.16	June 1	11.51	Sept. 1	14.73	Nov. 30	13.65
Mar. 1	14.38	July 1	13.50	29	13.66	Dec. 29	14.35
30	13.45						

507. (C) W. G. Backhaus. NW¼ NE¼ sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ 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: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.69	Apr. 28	11.17	July 31	9.41	Oct. 30	12.30
Feb. 1	11.03	June 1	8.74	Sept. 1	12.64	Nov. 30	10.80
Mar. 1	11.55	July 1	11.63	29	10.49	Dec. 29	12.36
30	10.62						

736. (C) I. Ansel, Jr. SE¼ SW¼ SE¼ sec. 12, T. 23 S., R. 3 W. Driven domestic water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.35	Apr. 28	6.06	July 31	5.06	Oct. 30	6.59
Feb. 1	7.46	June 1	4.00	Sept. 1	5.69	Nov. 30	6.19
Mar. 1	7.39	July 1	4.49	29	5.95	Dec. 29	6.41
30	6.82						

817. (C) City of Wichita. NW cor. sec. 1, T. 24 S., R. 2 W. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.45	Apr. 28	15.22	July 31	15.07	Oct. 30	15.86
Feb. 1	15.78	June 1	13.40	Sept. 1	15.70	Nov. 30	15.14
Mar. 1	15.80	July 1	15.03	29	15.35	Dec. 29	15.57
30	15.53						

821. (C) City of Wichita. NW cor. sec. 6, 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 12.03 below lsd, Aug. 21, 1939; lowest 29.93 below lsd, Apr. 1, 1957. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	27.56	Apr. 28	27.99	July 31	27.46	Oct. 30	27.70
Feb. 1	27.15	June 1	27.52	Sept. 1	27.51	Nov. 30	27.49
Mar. 1	27.78	July 1	27.23	29	27.37	Dec. 29	27.65
30	27.92						

824. (C) City of Wichita. SE¼ SE¼ sec. 22, T. 24 S., R. 1 W. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1938-61.

Jan. 1	6.88	Apr. 28	5.40	July 31	4.42	Oct. 30	5.65
Feb. 1	7.52	June 1	4.44	Sept. 1	5.85	Nov. 30	4.72
Mar. 1	6.04	July 1	5.05	29	6.16	Dec. 29	5.70
30	5.24						

832. (C) City of Wichita. NE cor. sec. 19, T. 24 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 129 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.54 below lsd, July 1, 1957; lowest 24.85 below lsd, Dec. 31, 1956. Records available: 1938-49, 1955-61.

Jan. 1	17.53	Apr. 28	17.84	July 31	15.91	Oct. 30	16.79
Feb. 1	18.05	June 1	16.17	Sept. 1	16.43	Nov. 30	16.25
Mar. 1	18.03	July 1	16.99	29	15.99	Dec. 29	16.97
30	18.02						

833. (C) T. B. Burrows. SW¼ SW¼ sec. 19, T. 24 S., R. 1 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 25.23 below lsd, Mar. 1, 1957. Records available: 1938-61.

Jan. 1	17.39	Apr. 28	17.60	July 31	14.86	Oct. 30	15.11
Feb. 1	17.60	June 1	16.16	Sept. 1	14.98	Nov. 30	14.76
Mar. 1	17.66	July 1	16.17	29	14.74	Dec. 29	15.07
30	17.70						

839. (C) City of Wichita. NE¼ NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-61.

Jan. 1	24.08	Mar. 30	24.09	July 1	23.10	Sept. 29	21.12
Feb. 1	24.09	Apr. 28	23.93	31	21.97	Oct. 30	21.34
Mar. 1	24.39	June 1	23.64	Sept. 1	21.63	Dec. 29	20.91

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853. (C) City of Wichita. NW cor. 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 led, Oct. 2, 1951; lowest 21.86 below lsd, Mar. 1, 1957. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.14	Mar. 30	14.36	July 1	13.55	Oct. 30	12.54
Feb. 1	14.57	Apr. 28	14.15	31	12.44	Nov. 30	12.02
Mar. 1	14.61	June 1	12.95	Sept. 1	13.06	Dec. 29	12.40

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: 1938-61.

Jan. 1	9.99	Apr. 28	9.24	July 31	10.04	Oct. 30	10.99
Feb. 1	10.42	June 1	8.26	Sept. 1	10.77	Nov. 30	10.25
Mar. 1	10.37	July 1	9.55	29	10.30	Dec. 29	10.59
30	9.04						

855a. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 24 S., R. 4 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 67 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 0.65 below lsd, July 1, 1957; lowest 9.45 below lsd, Oct. 1, 1956. Records available: 1938-46, 1950, 1956-61.

Jan. 1	7.52	Apr. 28	7.05	July 31	6.13	Oct. 31	6.96
Feb. 1	7.66	June 1	6.32	Sept. 1	6.79	Nov. 30	5.65
Mar. 1	7.45	July 1	6.22	29	6.45	Dec. 29	6.13
30	7.27						

873. (C) City of Wichita. D. C. Buller, owner of property. SE cor. sec 31, T. 23 S., R. 2 W. Drilled observation well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 63 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 10.49 below lsd, Apr. 29, 1943; lowest 41.05 below lsd, Jan. 1, 1958. Records available: 1939-49, 1954-61.

Jan. 1	38.04	Apr. 28	38.16	July 31	36.04	Oct. 30	37.15
Feb. 1	38.55	June 1	36.61	Sept. 1	37.39	Nov. 30	36.46
Mar. 1	38.19	July 1	37.84	29	36.62	Dec. 29	37.20
30	38.19						

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 62.01 below lsd, Mar. 1, 1960. Records available: 1939-49, 1954-61.

Jan. 1	58.34	Apr. 28	57.03	July 31	40.99	Oct. 30	47.60
Feb. 1	59.96	June 1	43.15	Sept. 1	57.30	Nov. 30	43.00
Mar. 1	57.37	July 1	59.10	29	46.40	Dec. 29	44.70
30	60.95						

875. (C) A. B. Havely. SE cor. sec. 17, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of pleistocene age, diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 1.70 above lsd, Oct. 31 and Dec. 31, 1958, through June 30, 1959; lowest 8.78 below lsd, Oct. 31, 1955. Records available: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.05	Apr. 28	0.65	July 31	+0.15	Oct. 30	0.89
Feb. 1	1.89	June 1	+0.52	Sept. 1	.90	Nov. 30	+0.43
Mar. 1	1.74	July 1	.10	29	.67	Dec. 29	+0.14
30	.96						

876. (C) A. B. Havely. SE cor. sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 246 feet. Measuring point, top of instrument shelf, 2.70 feet above lsd. Highest water level 16.43 below lsd, Jan. 2, 1959; lowest 32.83 below lsd, Apr. 2, 1957. Records available: 1939-61.

Jan. 1	24.98	Apr. 28	24.69	July 31	23.66	Oct. 30	24.59
Feb. 1	25.96	June 1	23.89	Sept. 1	24.30	Nov. 30	22.95
Mar. 1	24.90	July 1	24.18	29	24.45	Dec. 29	24.31
30	24.90						

877. (C) A. B. Havely. SE cor. sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top of plate on instrument shelf, 3.40 feet above lsd. Highest water level 8.50 below lsd, Jan. 2, 1959; lowest 19.21 below lsd, Sept. 5, Oct. 5, 1956. Records available: 1939-61.

Jan. 1	11.15	Apr. 28	11.15	July 31	10.55	Oct. 30	10.74
Feb. 1	11.30	June 1	10.63	Sept. 1	10.70	Nov. 30	10.39
Mar. 1	11.34	July 1	10.70	29	10.60	Dec. 29	10.45
30	11.33						

878. (C) C. Cadwell. SE cor. sec. 1, T. 24 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 16.25 below lsd, June 3, 1940; lowest 39.08 below lsd, Sept. 1, 1959. Records available: 1938-61.

Jan. 1	33.30	Apr. 28	33.07	July 31	33.04	Oct. 30	32.82
Feb. 1	33.36	June 1	32.95	Sept. 1	33.04	Nov. 30	32.73
Mar. 1	33.18	July 1	32.98	29	32.94	Dec. 29	32.68
30	33.06						

879. (C) C. Caldwell. SE cor. sec. 1, T. 24 S., R. 3 W. Drilled unused water-table well in Pleistocene sand, diameter 1¼ inches, depth 241 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 40.59 below lsd, Oct. 30, 1959. Records available: 1938-61.

Jan. 1	38.07	Apr. 28	38.44	July 31	38.50	Oct. 30	37.58
Feb. 1	38.64	June 1	38.75	Sept. 1	36.56	Nov. 30	37.50
Mar. 1	35.72	July 1	38.55	29	37.69	Dec. 29	37.50
30	36.64						

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 19 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: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.11	Apr. 28	13.23	July 31	14.35	Oct. 30	13.68
Feb. 1	14.35	June 1	13.51	Sept. 1	14.73	Nov. 30	13.73
Mar. 1	14.09	July 1	14.29	29	14.06	Dec. 29	13.73
30	13.90						

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 55 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 16.39 below lsd, Sept. 1, 1961. Records available: 1938-61.

Jan. 1	14.76	Apr. 28	14.12	July 31	15.92	Oct. 30	14.08
Feb. 1	14.72	June 1	15.34	Sept. 1	16.39	Nov. 30	14.13
Mar. 1	14.46	July 1	15.95	29	14.51	Dec. 29	14.35
30	14.31						

884. (C) Maggie Holle. NW cor. 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: 1939-61.

Jan. 1	28.13	Apr. 28	30.23	July 31	27.25	Oct. 30	25.75
Feb. 1	28.04	June 1	28.28	Sept. 1	27.95	Nov. 30	25.45
Mar. 1	28.62	July 1	29.45	29	26.27	Dec. 29	25.54
30	28.34						

885. (C) Maggie Holle. NW cor. 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: 1939-61.

Jan. 1	27.98	Apr. 28	31.62	July 31	27.23	Oct. 30	25.64
Feb. 1	28.00	June 1	28.20	Sept. 1	29.44	Nov. 30	25.35
Mar. 1	28.55	July 1	30.88	29	26.23	Dec. 29	25.46
30	28.25						

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	24.51	Apr. 28	24.27	Aug. 25	23.56	Oct. 30	23.01
Feb. 1	23.65	May 26	22.98	Sept. 1	23.56	Nov. 24	21.17
	24	June 26	23.85	26	23.94	30	21.17
Mar. 1	24.66	July 1	24.35	29	24.42	Dec. 26	23.46
	27	25	25.28	Oct. 25	23.01	29	23.46
Apr. 25	23.68						

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: 1939-61.

Jan. 1	23.32	Apr. 28	25.15	July 31	26.45	Oct. 30	23.95
Feb. 1	24.24	June 1	23.66	Sept. 1	24.65	Nov. 30	22.84
Mar. 1	25.67	July 1	25.48	29	25.59	Dec. 29	24.29
	30						
	25.60						

888. (C) C. K. Ellis. NW cor. 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: 1939-61.

Jan. 1	1.91	Apr. 28	1.32	July 31	3.15	Oct. 30	3.99
Feb. 1	2.35	June 1	1.50	Sept. 1	4.38	Nov. 30	1.48
Mar. 1	1.32	July 1	2.55	29	3.80	Dec. 29	1.28
	30						
	.70						

889. (C) C. K. Ellis. NW cor. sec. 17, T. 23 S., R. 2 W. Drilled unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$ inches, depth 151 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.16 below lsd, Apr. 1, 1959; lowest 16.35 below lsd, Aug. 31, 1956. Records available: 1939-61.

Jan. 1	6.05	Apr. 28	4.98	July 31	6.92	Oct. 30	7.49
Feb. 1	6.01	June 1	3.93	Sept. 1	6.65	Nov. 30	6.30
Mar. 1	6.34	July 1	5.07	29	6.02	Dec. 29	6.50
	30						
	5.44						

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 4.10 below lsd, Mar. 30, 1960; lowest 9.94 below lsd, Nov. 1, 1956. Records available: 1954-61.

Jan. 1	6.11	Apr. 28	6.10	July 31	5.11	Oct. 30	5.38
Feb. 1	6.29	June 1	5.37	Sept. 1	5.59	Nov. 30	4.75
Mar. 1	6.24	July 1	5.65	29	4.94	Dec. 29	4.92
	30						
	6.10						

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	3.48	Apr. 28	3.41	July 31	2.73	Oct. 30	3.30
Feb. 1	3.62	June 1	3.22	Sept. 1	3.25	Nov. 30	2.78
Mar. 1	3.43	July 1	3.33	29	2.87	Dec. 29	2.98
30	3.18						

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: 1939-61.

Jan. 1	2.77	Apr. 28	2.68	July 31	1.88	Oct. 30	2.60
Feb. 1	2.88	June 1	2.38	Sept. 1	2.48	Nov. 30	2.06
Mar. 1	2.70	July 1	2.57	29	2.14	Dec. 29	2.25
30	2.45						

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: 1939-61.

Jan. 1	2.57	Apr. 28	2.46	July 31	1.66	Oct. 30	2.38
Feb. 1	2.64	June 1	2.14	Sept. 1	2.29	Nov. 30	1.82
Mar. 1	2.50	July 1	2.32	29	1.89	Dec. 29	2.00
30	2.24						

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: 1938-61.

Jan. 1	29.94	Apr. 28	30.21	July 31	29.97	Oct. 30	29.39
Feb. 1	29.92	June 1	30.09	Sept. 1	30.04	Nov. 30	29.13
Mar. 1	29.85	July 1	30.19	29	29.66	Dec. 29	28.93
30	29.86						

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: 1950-61.

Jan. 1	12.77	Apr. 28	9.88	July 31	8.62	Oct. 30	11.02
Feb. 1	12.72	June 1	8.14	Sept. 1	10.18	Nov. 30	8.87
Mar. 1	12.64	July 1	8.27	29	10.49	Dec. 29	9.25
30	11.15						

1173. (C) City of Wichita. NE cor. sec. 29, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	22.32	Apr. 28	22.73	July 31	21.98	Oct. 30	21.56
Feb. 1	22.46	June 1	22.30	Sept. 1	21.81	Nov. 30	21.49
Mar. 1	22.54	July 1	22.18	29	21.58	Dec. 29	21.44
30	22.65						

1174. (C) City of Wichita. SW cor. sec. 32, T. 24 S., R. 1 W. Driven observation well in sand and gravel of Pleistocene age, diameter 1¼ 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, 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.40	Apr. 28	14.45	July 31	11.12	Oct. 30	11.24
Feb. 1	14.54	June 1	12.59	Sept. 1	11.22	Nov. 30	10.92
Mar. 1	14.68	July 1	12.45	29	11.31	Dec. 29	11.20
30	14.57						

1175. (C) City of Wichita. SE cor. sec. 30, 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, 1.50 feet above lsd. Highest water level 3.80 below lsd, July 9, 1951; lowest 20.50 below lsd, May 1, 1957. Records available: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.95	Apr. 28	13.25	July 31	9.99	Oct. 30	10.89
Feb. 1	13.39	June 1	11.40	Sept. 1	10.41	Nov. 30	10.34
Mar. 1	13.44	July 1	11.47	29	10.49	Dec. 29	10.98
30	13.43						

1179. (C) City of Wichita. SE¼ NW¼ SE¼ 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: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	16.65	Apr. 25	17.10	July 31	14.24	Oct. 30	15.74
Feb. 1	17.22	June 1	15.40	Sept. 1	15.76	Nov. 30	15.32
Mar. 1	16.85	July 1	16.28	29	15.39	Dec. 29	15.87
30	16.92						

1186. (C) City of Wichita. SW cor. 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: 1941-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	16.55	Apr. 28	16.57	July 31	14.96	Oct. 30	14.81
Feb. 1	16.69	June 1	15.55	Sept. 1	15.18	Nov. 30	14.45
Mar. 1	16.75	July 1	15.69	29	14.67	Dec. 29	14.62
30	16.71						

1187. (C) City of Wichita. NW cor. sec. 19, 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: 1941-61.

Jan. 1	11.30	Apr. 28	11.07	July 31	8.46	Oct. 30	10.17
Feb. 1	11.84	June 1	9.05	Sept. 1	9.97	Nov. 30	9.49
Mar. 1	11.50	July 1	10.16	29	9.45	Dec. 29	10.25
30	11.23						

1189. (C) City of Wichita. SW cor. sec. 16, T. 24 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, 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, 1949-61.

Jan. 1	22.37	Apr. 28	22.97	July 31	20.80	Oct. 30	21.36
Feb. 1	22.37	June 1	21.80	Sept. 1	21.30	Nov. 30	20.87
Mar. 1	22.53	July 1	21.36	29	20.90	Dec. 29	20.82
30	22.55						

1190. (C) City of Wichita. NE¼ NE¼ sec. 15, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 14.14 below lsd, July 9, 1951; lowest 32.99 below lsd, May 1, 1957. Records available: 1950-61.

Jan. 1	24.87	Apr. 28	25.12	July 31	24.00	Oct. 30	23.44
Feb. 1	24.85	June 1	24.40	Sept. 1	23.85	Nov. 30	23.37
Mar. 1	25.04	July 1	24.25	29	23.63	Dec. 29	23.44
30	25.12						

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: 1950-61.

Jan. 1	12.16	Apr. 28	11.17	July 31	10.97	Oct. 30	11.42
Feb. 1	12.10	June 1	9.17	Sept. 1	12.77	Nov. 30	11.55
Mar. 1	12.62	July 1	11.37	29	11.31	Dec. 29	12.34
30	11.60						

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: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.26	Apr. 28	4.83	July 31	4.21	Oct. 30	5.84
Feb. 1	6.36	June 1	3.58	Sept. 1	5.31	Nov. 30	4.51
Mar. 1	6.24	July 1	3.96	29	5.08	Dec. 29	5.11
30	5.32						

1194. (C) Byron Wood. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, 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 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, 1952-61.

Jan. 1	7.82	Apr. 28	5.47	July 31	3.51	Oct. 30	5.32
Feb. 1	7.95	June 1	4.02	Sept. 1	5.14	Nov. 30	3.22
Mar. 1	7.80	July 1	3.41	29	4.40	Dec. 29	4.16
30	6.88						

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 1 $\frac{1}{4}$ 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, 1952-61.

Jan. 1	4.39	Apr. 28	4.26	July 31	2.51	Oct. 30	3.60
Feb. 1	4.63	June 1	3.33	Sept. 1	3.42	Nov. 30	3.05
Mar. 1	4.63	July 1	3.53	29	3.33	Dec. 29	3.32
30	4.30						

2072. (C) Peter Hoops and others. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 46 feet. Measuring point, top of casing, 0.60 foot above lsd. Highest water level 27.09 below lsd, May 5, 1947; lowest 40.65 below lsd, Mar. 2, 1959. Records available: 1941-61.

Jan. 1	40.07	Apr. 28	40.14	July 31	39.97	Oct. 30	39.99
Feb. 1	40.17	June 1	40.23	Sept. 1	40.06	Nov. 30	39.98
Mar. 1	40.07	July 1	40.00	29	40.01	Dec. 29	39.96
30	40.09						

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: 1950-61.

Jan. 1	21.07	Apr. 28	21.37	July 31	19.57	Oct. 30	19.15
Feb. 1	21.10	June 1	20.15	Sept. 1	19.40	Nov. 30	19.06
Mar. 1	21.29	July 1	20.10	29	19.12	Dec. 29	19.05
30	21.44						

2088. (C) City of Wichita. NW cor. sec. 22, 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 3.70 below lsd, Apr. 28, 1944; lowest 25.79 below lsd, Mar. 1, 1957. Records available: 1944-46, 1949-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.79	Apr. 28	18.02	July 31	15.36	Oct. 30	15.81
Feb. 1	17.98	June 1	16.17	Sept. 1	15.99	Nov. 30	15.45
Mar. 1	17.96	July 1	16.54	29	15.31	Dec. 29	15.63
30	18.00						

3001. (C) City of Wichita. SW¼ SW¼ sec. 30, T. 23 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 19.12 below lsd, Sept. 30, 1955; lowest 30.12 below lsd, Aug. 31, 1956. Records available: 1951-61.

Jan. 1	26.89	Apr. 28	26.92	July 31	25.92	Oct. 30	27.42
Feb. 1	27.02	June 1	26.87	Sept. 1	26.57	Nov. 30	26.80
Mar. 1	26.85	July 1	26.80	29	26.41	Dec. 29	26.72
30	27.08						

3002. (C) City of Wichita. SW¼ SW¼ SE¼ sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.38 below lsd, Oct. 1, 1956. Records available: 1950-61.

Jan. 1	6.85	Apr. 28	7.21	July 31	4.25	Oct. 30	5.92
Feb. 1	7.11	June 1	5.17	Sept. 1	4.87	Nov. 30	5.58
Mar. 1	7.27	July 1	5.50	29	5.11	Dec. 29	5.88
30	7.40						

3003. (C) City of Wichita. SW¼ SE¼ SE¼ sec. 32, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 0.67 below lsd, July 9, 1951; lowest 15.97 below lsd, July 1, 1957. Records available: 1950-61.

Jan. 1	6.23	Apr. 28	6.24	July 31	3.67	Oct. 30	5.36
Feb. 1	6.42	June 1	4.80	Sept. 1	4.89	Nov. 30	5.13
Mar. 1	6.57	July 1	4.93	29	4.83	Dec. 29	5.54
30	6.50						

3005. (C) Sally McFarland and others. SE¼ SW¼ sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 39.27 below lsd, July 31, 1961; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	45.56	Apr. 28	42.40	July 31	39.27	Oct. 30	42.68
Feb. 1	41.54	June 1	39.43	Sept. 1	44.17	Nov. 30	40.70
Mar. 1	42.25	July 1	43.22	29	40.90	Dec. 29	44.97
30	41.89						

3031. (C) City of Wichita. NE cor. sec. 24, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.82 below lsd, Oct. 2, 1951; lowest 21.10 below lsd, Apr. 2, 1957. Records available: 1950-61.

Jan. 1	19.25	Apr. 28	19.44	July 31	19.09	Oct. 30	18.98
Feb. 1	20.38	June 1	19.10	Sept. 1	19.08	Nov. 30	19.03
Mar. 1	19.50	July 1	19.04	29	19.06	Dec. 29	19.02
30	19.58						

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: 1950-61.

Jan. 1	22.70	Apr. 28	22.54	July 31	22.54	Oct. 30	22.45
Feb. 1	22.65	June 1	22.62	Sept. 1	22.55	Nov. 30	22.50
Mar. 1	22.64	July 1	22.63	29	22.53	Dec. 29	22.45
30	22.54						

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: 1950-61.

Jan. 1	20.25	Apr. 28	20.32	July 31	19.57	Oct. 30	19.32
Feb. 1	20.14	June 1	19.08	Sept. 1	20.29	Nov. 30	19.65
Mar. 1	20.30	July 1	19.44	29	19.42	Dec. 29	20.07
30	20.20						

3034. (C) City of Wichita. SW¼ SW¼ sec. 28, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.35 below lsd, July 9, 1951; lowest 9.01 below lsd, Oct. 1, 1956. Records available: 1950-61.

Jan. 1	5.25	Apr. 28	5.05	July 31	3.91	Oct. 30	4.52
Feb. 1	5.41	June 1	4.42	Sept. 1	4.59	Nov. 30	3.90
Mar. 1	5.32	July 1	4.70	29	4.06	Dec. 29	4.18
30	5.15						

3035. (C) City of Wichita. SE¼ SE¼ sec. 34, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches,

depth 28 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 8.16 below lsd, Nov. 1, 1950; lowest 20.77 below lsd, Apr. 2, 1957. Records available: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.38	Apr. 28	17.53	July 31	17.07	Oct. 30	17.02
Feb. 1	17.50	June 1	17.26	Sept. 1	17.13	Nov. 30	17.00
Mar. 1	17.49	July 1	17.20	29	17.05	Dec. 29	17.06
30	17.46						

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 34.69 below lsd, Apr. 1, 1959. Records available: 1950-61.

Jan. 1	28.54	Apr. 28	28.42	July 31	27.70	Oct. 30	29.13
Feb. 1	28.70	June 1	27.98	Sept. 1	28.03	Nov. 30	30.73
Mar. 1	28.69	July 1	28.13	29	28.21	Dec. 29	28.59
30	28.76						

3037. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 70 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 37.99 below lsd, Jan. 2, 1959; lowest 53.19 below lsd, Aug. 1, 1957. Records available: 1950-61.

Jan. 1	45.45	Mar. 30	44.75	July 1	44.81	Oct. 30	44.10
Feb. 1	44.48	Apr. 28	43.89	Sept. 1	44.33	Nov. 30	41.55
Mar. 1	44.10	June 1	41.66	29	43.13	Dec. 29	44.73

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: 1950-61.

Jan. 1	41.84	Apr. 28	40.67	July 31	40.04	Oct. 30	40.52
Feb. 1	40.36	June 1	38.39	Sept. 1	42.21	Nov. 30	37.35
Mar. 1	40.94	July 1	40.89	29	39.83	Dec. 29	42.28
30	40.98						

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: 1950-61.

Jan. 1	9.38	Apr. 28	9.13	July 31	8.79	Oct. 30	9.54
Feb. 1	9.47	June 1	7.25	Sept. 1	10.27	Nov. 30	9.09
Mar. 1	9.80	July 1	8.60	29	8.98	Dec. 29	9.89
30	9.05						

*M-1. (C) City of Wichita. NW cor. 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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.00	May 1	86.50	Aug. 1	82.00	Nov. 1	42.00
Mar. 1	87.00	June 1	86.00	Sept. 1	32.73	Dec. 1	75.00
	31 86.50		30 32.00	Oct. 2	72.00		

M-1b. (C) City of Wichita. NW cor. sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-61.

Jan. 1	28.70	Mar. 31	32.19	June 30	28.75	Oct. 2	39.54
Feb. 1	27.36	May 1	30.41	Aug. 1	27.72	Nov. 1	36.15
Mar. 1	31.73	June 1	30.88	Sept. 1	29.41	Dec. 1	39.32

M-2r. (C) City of Wichita. NW¼ SW¼ 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 231 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 40.00 below lsd, Nov. 1, 1960; lowest 88.50 below lsd, Aug. 1, 1960. Records available. 1960-61.

Jan. 1	86.00	Mar. 31	44.00	June 30	85.50	Oct. 2	44.00
Feb. 1	43.00	May 1	44.00	Aug. 1	40.50	Nov. 1	87.50
Mar. 1	42.00	June 1	41.00	Sept. 1	87.50	Dec. 1	42.00

M-2b. (C) City of Wichita. NW¼ SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-61.

Jan. 1	37.72	Mar. 31	38.72	June 30	39.39	Oct. 2	40.33
Feb. 1	37.29	May 1	37.10	Aug. 1	35.32	Nov. 1	42.20
Mar. 1	36.24	June 1	36.48	Sept. 1	39.03	Dec. 1	39.42

M-3. (C) City of Wichita. SE¼ SE¼ 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, Mar. 1, 1960, Feb. 1, 1961. Records available: 1939-61.

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

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	46.00	Mar. 31	45.50	June 30	46.50	Oct. 2	44.00
Feb. 1	106.00	May 1	43.00	Aug. 1	103.00	Nov. 1	46.00
Mar. 1	41.00	June 1	39.50	Sept. 1	45.00	Dec. 1	39.50

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: 1939-61.

Jan. 1	43.17	Mar. 31	43.65	June 30	45.40	Oct. 2	43.73
Feb. 1	43.62	May 1	42.16	Aug. 1	41.40	Nov. 1	45.79
Mar. 1	40.48	June 1	41.02	Sept. 1	44.38	Dec. 1	40.60

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: 1939-61.

Jan. 1	43.00	Mar. 31	42.00	June 30	44.00	Oct. 2	40.50
Feb. 1	41.00	May 1	41.00	Aug. 1	37.50	Nov. 1	113.00
Mar. 1	40.00	June 1	39.50	Sept. 1	44.00	Dec. 1	39.00

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: 1939-61.

Jan. 1	43.85	Mar. 31	44.02	June 30	46.70	Oct. 2	43.03
Feb. 1	42.61	May 1	42.50	Aug. 1	39.67	Nov. 1	48.98
Mar. 1	39.97	June 1	40.75	Sept. 1	45.44	Dec. 1	39.34

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: 1939-61.

Jan. 1	40.00	Mar. 31	132.50	June 30	124.50	Oct. 2	132.50
Feb. 1	38.50	May 1	137.00	Aug. 1	128.50	Nov. 1	48.00
Mar. 1	37.00	June 1	132.00	Sept. 1	41.00	Dec. 1	50.00

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	37.00	Mar. 31	37.07	June 30	37.76	Oct. 2	36.27
Feb. 1	37.00	May 1	36.60	Aug. 1	34.45	Nov. 1	36.29
Mar. 1	36.77	June 1	35.58	Sept. 1	36.37	Dec. 1	35.37

M-6r. (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 250 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 33.00 below lsd, Aug. 1, 1961; lowest 93.00 below lsd, Nov. 1, 1961. Records available: 1959-61.

Jan. 1	87.00	Mar. 31	88.00	June 30	86.00	Oct. 2	35.50
Feb. 1	87.00	May 1	38.00	Aug. 1	33.00	Nov. 1	93.00
Mar. 1	85.50	June 1	33.50	Sept. 1	89.00	Dec. 1	34.50

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: 1939-61.

Jan. 1	38.38	Mar. 31	38.60	June 30	38.24	Oct. 2	37.65
Feb. 1	38.85	May 1	38.19	Aug. 1	36.83	Nov. 1	37.63
Mar. 1	38.48	June 1	37.06	Sept. 1	37.89	Dec. 1	36.95

M-7r. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 252 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 37.00 below lsd, Apr. 1, May 1, 31, 1957; lowest 133.00 below lsd, Sept. 2, 1958. Records available: 1957-61.

Jan. 1	43.00	Mar. 31	44.00	June 30	42.50	Oct. 2	100.00
Feb. 1	102.00	May 1	40.50	Aug. 1	40.00	Nov. 1	44.50
Mar. 1	43.50	June 1	39.00	Sept. 1	42.00	Dec. 1	101.50

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. Highest water level 13.30 below lsd, June 3, 1940; lowest 40.51 below lsd, Dec. 5, 1957. Records available: 1939-61.

Jan. 1	34.33	Mar. 31	34.81	June 30	34.35	Oct. 2	34.19
Feb. 1	35.22	May 1	34.29	Aug. 1	34.30	Nov. 1	33.85
Mar. 1	34.16	June 1	34.74	Sept. 1	34.45	Dec. 1	33.68

M-7d. (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 255 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 41.84 below lsd, June 1, 1961; lowest 65.84 below lsd, Jan. 31, 1958. Records available: 1957-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	44.20	Mar. 31	46.21	June 30	45.50	Oct. 2	59.88
Feb. 1	62.80	May 1	42.66	Aug. 1	43.14	Nov. 1	45.11
Mar. 1	44.65	June 1	41.84	Sept. 1	44.73	Dec. 1	58.84

M-8r. (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 220 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 32.00 below lsd, Dec. 1, 1961; lowest 70.00 below lsd, May 1, 1961. Records available: 1959-61.

Jan. 1	34.00	Mar. 31	34.00	June 30	65.00	Oct. 2	32.50
Feb. 1	65.00	May 1	70.00	Aug. 1	66.50	Nov. 1	33.50
Mar. 1	67.00	June 1	66.50	Sept. 1	66.50	Dec. 1	32.00

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: 1939-61.

Jan. 1	31.26	Mar. 31	31.45	June 30	31.97	Oct. 2	30.90
Feb. 1	32.09	May 1	32.04	Aug. 1	32.26	Nov. 1	30.35
Mar. 1	32.20	June 1	31.75	Sept. 1	32.16	Dec. 1	30.20

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: 1939-61.

Jan. 1	30.00	Mar. 31	30.00	June 30	66.00	Oct. 2	29.00
Feb. 1	29.50	May 1	31.50	Aug. 1	30.00	Nov. 1	70.00
Mar. 1	30.50	June 1	30.00	Sept. 1	29.00	Dec. 1	29.00

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: 1939-61.

Jan. 1	29.45	Mar. 31	29.84	June 30	31.34	Oct. 2	29.52
Feb. 1	30.21	May 1	30.87	Aug. 1	30.61	Nov. 1	29.42
Mar. 1	30.25	June 1	30.10	Sept. 1	30.49	Dec. 1	28.75

M-10r. (C) City of Wichita. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 237 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 30.34 below lsd, Apr. 1, 1957; lowest 100.00 below lsd, June 1, 1960. Records available: 1957-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	37.00	Mar. 31	99.00	June 30	39.00	Oct. 2	37.52
Feb. 1	98.00	May 1	38.00	Aug. 1	99.00	Dec. 1	35.00
Mar. 1	98.00	June 1	38.00	Sept. 1	39.00		

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: 1939-61.

Jan. 1	33.82	Mar. 31	34.44	June 30	33.84	Oct. 2	33.00
Feb. 1	34.64	May 1	33.95	Aug. 1	34.88	Nov. 1	32.63
Mar. 1	34.71	June 1	33.53	Sept. 1	34.29	Dec. 1	32.24

M-10d. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 230 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 37.09 below lsd, June 1, 1961; lowest 65.14 below lsd, Dec. 5, 1957. Records available: 1957-61.

Jan. 1	38.95	Mar. 31	57.32	June 30	38.60	Oct. 2	37.90
Feb. 1	59.92	May 1	38.40	Aug. 1	59.05	Nov. 1	59.10
Mar. 1	59.68	June 1	37.09	Sept. 1	38.95	Dec. 1	35.93

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: 1939-61.

Jan. 1	87.00	Mar. 31	34.00	June 30	34.00	Oct. 2	89.00
Feb. 1	34.00	May 1	33.00	Aug. 1	34.00	Nov. 1	33.00
Mar. 1	33.50	June 1	86.50	Sept. 1	85.50	Dec. 1	88.00

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 above lsd. Highest water level 8.49 below lsd, May 27, 1940; lowest 41.20 below lsd, Oct. 1, 1956. Records available: 1939-61.

Jan. 1	33.95	Mar. 31	33.80	June 30	33.92	Oct. 2	33.64
Feb. 1	33.85	May 1	33.40	Aug. 1	33.90	Nov. 1	33.47
Mar. 1	33.47	June 1	34.15	Sept. 1	34.29	Dec. 1	33.04

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	92.00	Mar. 31	92.00	June 30	90.00	Oct. 2	90.50
Feb. 1	36.00	May 1	35.00	Aug. 1	92.00	Nov. 1	36.00
Mar. 1	35.50	June 1	33.00	Sept. 1	36.00	Dec. 1	33.00

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: 1939-61.

Jan. 1	38.90	Mar. 31	39.55	June 30	40.50	Oct. 2	38.45
Feb. 1	35.52	May 1	35.41	Aug. 1	41.14	Nov. 1	35.95
Mar. 1	35.01	June 1	34.36	Sept. 1	36.64	Dec. 1	33.13

M-13. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 245 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 73.50 below lsd, May 1, 1957. Records available: 1939-61.

Jan. 1	70.00	Mar. 31	30.50	June 30	69.00	Oct. 2	29.84
Feb. 1	30.50	May 1	31.00	Aug. 1	30.00	Nov. 1	72.00
Mar. 1	69.00	June 1	70.00	Sept. 1	71.00	Dec. 1	29.00

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: 1939-61.

Jan. 1	30.75	Mar. 31	30.55	June 30	30.70	Oct. 2	30.26
Feb. 1	30.25	May 1	30.65	Aug. 1	30.37	Nov. 1	30.05
Mar. 1	30.68	June 1	30.80	Sept. 1	30.70	Dec. 1	29.40

M-14r. (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 204 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 31.50 below lsd, Aug. 1, 1960; lowest 62.00 below lsd, Dec. 31, 1960. Records available: 1960-61.

Feb. 1	59.00	May 1	60.00	Aug. 1	35.00	Nov. 1	33.00
Mar. 1	33.50	June 1	33.00	Oct. 2	32.50	Dec. 1	32.00
	31 34.00		30 56.50				

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	30.15	Mar. 31	31.22	June 30	31.47	Oct. 2	31.14
Feb. 1	30.11	May 1	31.22	Aug. 1	31.53	Nov. 1	30.54
Mar. 1	30.93	June 1	30.98	Sept. 1	31.06	Dec. 1	30.00

M-15r. (C) City of Wichita. NW cor. 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 244 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 29.00 below lsd, Oct. 2, 1961; lowest 52.00 below lsd, Dec. 1, 1960. Records available: 1960-61.

Jan. 1	32.00	Mar. 31	50.00	June 30	31.00	Oct. 2	29.00
Feb. 1	34.00	May 1	50.50	Aug. 1	30.00	Nov. 1	32.00
Mar. 1	51.00	June 1	51.00	Sept. 1	31.00		

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: 1939-61.

Jan. 1	31.50	Mar. 31	33.57	June 30	30.90	Oct. 2	30.22
Feb. 1	32.37	May 1	32.84	Aug. 1	30.95	Nov. 1	31.90
Mar. 1	33.35	June 1	33.39	Sept. 1	30.90		

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: 1939-61.

Jan. 1	33.00	Mar. 31	32.50	June 30	31.53	Oct. 2	32.00
Feb. 1	60.00	May 1	61.00	Aug. 1	74.00	Nov. 1	31.00
Mar. 1	31.00	June 1	32.25	Sept. 1	75.00	Dec. 1	72.50

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: 1939-61.

Jan. 1	32.87	Mar. 31	32.60	June 30	31.37	Oct. 2	31.41
Feb. 1	32.75	May 1	33.64	Aug. 1	38.14	Nov. 1	30.54
Mar. 1	30.97	June 1	31.65	Sept. 1	38.08	Dec. 1	36.54

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 91.00 below lsd, Mar. 31, 1961. Records available: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	87.00	Mar. 31	91.00	Aug. 1	33.00	Nov. 1	30.00
Feb. 1	32.00	May 1	32.00	Sept. 1	32.00	Dec. 1	32.00
Mar. 1	31.00	June 30	86.00	Oct. 2	30.00		

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: 1939-61.

Jan. 1	30.54	Mar. 31	30.05	June 30	29.55	Oct. 2	29.77
Feb. 1	29.55	May 1	30.25	Aug. 1	30.15	Nov. 11	28.55
Mar. 1	29.83	June 1	29.59	Sept. 1	29.65	Dec. 1	29.10

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: 1939-61.

Jan. 1	61.00	Mar. 31	25.50	June 30	63.00	Oct. 2	65.50
Feb. 1	63.00	May 1	65.00	Aug. 1	63.00	Nov. 1	66.00
Mar. 1	65.00	June 1	64.00	Sept. 1	23.00	Dec. 1	65.00

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: 1939-61.

Jan. 1	22.20	Mar. 31	22.42	June 30	21.54	Oct. 2	20.84
Feb. 1	22.81	May 1	22.89	Aug. 1	21.42	Nov. 1	20.53
Mar. 1	23.05	June 1	21.70	Sept. 1	20.56	Dec. 1	20.80

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: 1939-61.

Jan. 1	27.00	Mar. 31	52.00	June 30	27.50	Oct. 2	27.00
Feb. 1	26.50	May 1	27.00	Aug. 1	27.00	Nov. 1	26.00
Mar. 1	27.50	June 1	62.00	Sept. 1	25.00	Dec. 1	26.00

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	26.58	Mar. 31	30.91	June 30	26.85	Oct. 2	25.46
Feb. 1	26.06	May 1	27.40	Aug. 1	25.90	Nov. 1	23.84
Mar. 1	27.11	June 1	31.88	Sept. 1	24.55	Dec. 1	24.08

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: 1939-61.

Jan. 1	50.00	Mar. 31	26.00	June 30	51.00	Oct. 2	49.50
Feb. 1	50.00	May 1	28.00	Aug. 1	25.00	Nov. 1	24.00
Mar. 1	50.00	June 1	26.50	Sept. 1	50.00	Dec. 1	24.00

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: 1939-61.

Jan. 1	26.99	Mar. 31	26.89	June 30	27.30	Oct. 2	24.94
Feb. 1	26.79	May 1	27.70	Aug. 1	25.05	Nov. 1	24.24
Mar. 1	27.34	June 1	26.86	Sept. 1	25.66	Dec. 1	23.89

M-21. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 65.00 below lsd, Oct. 31, 1958. Records available: 1939-59, 1961. Oct. 2, 22.06; Nov. 1, 22.62; Dec. 1, 30.44.

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: 1939-61.

Jan. 1	23.58	Mar. 31	23.28	June 30	22.85	Oct. 2	21.20
Feb. 1	23.34	May 1	23.62	Aug. 1	26.11	Nov. 1	21.78
Mar. 1	23.67	June 1	23.13	Sept. 1	21.10	Dec. 1	23.00

M-22r. (C) City of Wichita. SW $\frac{1}{4}$ 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 188 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.00 below lsd, Oct. 2, Dec. 1, 1961; lowest 86.00 below lsd, Dec. 1, 1960. Records available: 1960-61.

Jan. 1	25.50	Mar. 31	25.50	June 30	24.00	Oct. 2	22.00
Feb. 1	26.00	May 1	84.00	Aug. 1	22.50	Nov. 1	23.00
Mar. 1	84.00	June 1	84.00	Sept. 1	82.00	Dec. 1	22.00

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	24.79	Mar. 31	24.68	June 30	23.90	Oct. 2	22.09
Feb. 1	24.62	May 1	24.85	Aug. 1	22.84	Nov. 1	22.02
Mar. 1	25.28	June 1	24.41	Sept. 1	22.29	Dec. 1	22.32

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: 1939-61.

Jan. 1	25.00	Mar. 31	54.00	June 30	52.00	Oct. 2	21.00
Feb. 1	24.00	May 1	23.00	Aug. 1	21.00	Nov. 1	22.00
Mar. 1	24.00	June 1	54.00	Sept. 1	20.00	Dec. 1	20.00

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: 1939-61.

Jan. 1	22.93	Mar. 31	23.20	June 30	25.60	Oct. 2	19.89
Feb. 1	22.58	May 1	22.96	Aug. 1	20.84	Nov. 1	19.60
Mar. 1	22.80	June 1	22.74	Sept. 1	19.87	Dec. 1	19.26

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: 1939-61.

Jan. 1	23.00	Mar. 31	23.50	June 30	40.00	Oct. 2	19.00
Feb. 1	22.00	May 1	24.00	Aug. 1	20.00	Nov. 1	19.00
Mar. 1	22.50	June 1	21.50	Sept. 1	18.00	Dec. 1	19.00

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: 1939-61.

Jan. 1	25.83	Mar. 31	25.96	June 30	25.64	Oct. 2	22.32
Feb. 1	25.36	May 1	26.40	Aug. 1	23.09	Nov. 1	21.98
Mar. 1	25.56	June 1	24.68	Sept. 1	22.26	Dec. 1	22.34

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 63.50 below lsd, Aug. 1, 1961. Records available: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	46.00	Mar. 31	46.00	June 30	19.35	Oct. 2	43.00
Feb. 1	45.00	May 1	46.00	Aug. 1	63.50	Nov. 1	18.00
Mar. 1	21.00	June 1	24.00	Sept. 1	42.00	Dec. 1	16.00

M-26. (C) City of Wichita. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 195 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 91.00 below lsd, May 2, 1955. Records available: 1949-61.

Jan. 1	25.00	Mar. 31	25.00	June 30	64.00	Oct. 2	67.00
Feb. 1	25.00	May 1	26.00	Aug. 1	23.00	Nov. 1	23.00
Mar. 1	25.00	June 1	23.00	Sept. 1	66.00	Dec. 1	67.00

M-23b. (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: 1947-61.

Jan. 1	23.33	Mar. 31	23.24	June 30	22.35	Oct. 2	21.51
Feb. 1	23.09	May 1	23.43	Aug. 1	21.18	Nov. 1	21.13
Mar. 1	23.15	June 1	21.67	Sept. 1	21.57	Dec. 1	21.25

M-41. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.50 feet above lsd. Highest water level 21.50 below lsd, Mar. 1, 1961; lowest 129.24 below lsd, Nov. 2, 1959. Records available: 1958-61.

Jan. 1	35.50	Mar. 31	23.00	June 30	122.50	Oct. 2	35.50
Feb. 1	27.50	May 1	119.50	Aug. 1	122.00	Nov. 1	26.50
Mar. 1	21.50	June 1	121.50	Sept. 1	24.50	Dec. 1	124.00

M-41b. (C) City of Wichita. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.60 below lsd, Nov. 1, 1958; lowest 13.85 below lsd, Sept. 30, 1960, Jan. 1, 1961. Records available: 1958-61.

Jan. 1	13.85	Mar. 31	13.37	June 30	13.44	Oct. 2	13.50
Feb. 1	13.72	May 1	13.27	Aug. 1	13.50	Nov. 1	13.30
Mar. 1	13.46	June 1	13.24	Sept. 1	13.58	Dec. 1	13.21

M-41d. (C) City of Wichita. NE cor. sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches,

depth 223 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.63 below lsd, May 1, 1959; lowest 66.69 below lsd, Nov. 2, 1959. Records available: 1957-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	43.18	Mar. 31	24.24	June 30	61.96	Oct. 2	36.25
Feb. 1	28.00	May 1	55.00	Aug. 1	61.86	Nov. 1	27.70
Mar. 1	22.86	June 1	59.87	Sept. 1	26.70	Dec. 1	61.34

M-42. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 259 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 24.50 below lsd, Dec. 31, 1958; lowest 115.87 below lsd, Nov. 2, 1959. Records available: 1958-61.

Jan. 1	113.70	Mar. 31	26.31	June 30	42.02	Oct. 1	105.80
Feb. 1	30.36	May 1	32.53	Aug. 1	42.21	Nov. 1	30.01
Mar. 1	24.82	June 1	60.60	Sept. 1	31.01	Dec. 1	39.11

M-42b. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.46 below lsd, Oct. 2, 1958; lowest 23.46 below lsd, Nov. 1, 1958. Records available: 1958-61.

Jan. 1	16.66	Mar. 31	15.86	June 30	16.28	Oct. 2	16.25
Feb. 1	16.43	May 1	15.80	Aug. 1	16.65	Nov. 1	15.96
Mar. 1	16.09	June 1	15.99	Sept. 1	17.08	Dec. 1	15.89

M-42d. (C) City of Wichita. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 247 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.75 below lsd, Dec. 31, 1958; lowest 71.03 below lsd, Nov. 2, 1959. Records available: 1958-61.

Jan. 1	66.65	Mar. 31	26.68	June 30	42.15	Oct. 2	66.65
Feb. 1	30.71	May 1	32.52	Aug. 1	42.27	Dec. 1	38.91
Mar. 1	25.09	June 1	40.74	Sept. 1	31.67		

M-43. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 244 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 13.20 below lsd, Feb. 2, 1959; lowest 69.30 below lsd, July 1, 1960. Records available: 1958-61.

Jan. 1	18.73	Mar. 31	15.19	June 30	67.79	Oct. 2	18.35
Feb. 1	16.47	May 1	15.44	Aug. 1	67.41	Nov. 1	15.64
Mar. 1	15.15	June 1	67.00	Sept. 1	68.38	Dec. 1	16.08

M-43d. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 235 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level

21.33 below lsd, Nov. 1, 1958; lowest 52.23 below lsd, May 1, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	34.70	Mar. 31	24.41	June 30	45.30	Oct. 2	34.87
Feb. 1	26.73	May 1	27.14	Aug. 1	46.82	Nov. 1	26.90
Mar. 1	23.23	June 1	43.85	Sept. 1	42.13	Dec. 1	29.30

M-44. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 143 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 9.10 below lsd, Dec. 31, 1958; lowest 46.90 below lsd, Dec. 1, 1960. Records available: 1958-61.

Jan. 1	11.90	Mar. 31	11.52	June 30	10.29	Oct. 2	11.45
Feb. 1	11.81	May 1	11.39	Aug. 1	12.46	Nov. 1	11.20
Mar. 1	11.16	June 1	11.40	Sept. 1	12.74	Dec. 1	11.18

M-44b. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.65 below lsd, Oct. 2, 1958; lowest 20.50 below lsd, Dec. 1, 1960. Records available: 1958-61.

Jan. 1	11.98	Mar. 31	12.46	June 30	12.19	Oct. 2	11.33
Feb. 1	11.78	May 1	11.34	Aug. 1	12.15	Nov. 1	11.13
Mar. 1	11.64	June 1	11.91	Sept. 1	12.30	Dec. 1	11.01

M-44d. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 114 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 9.40 below lsd, Oct. 2, 1958; lowest 24.16 below lsd, Dec. 1, 1960. Records available: 1958-61.

Jan. 1	12.58	Mar. 31	12.04	June 30	13.62	Oct. 2	12.04
Feb. 1	12.38	May 1	11.90	Aug. 1	13.57	Nov. 1	11.54
Mar. 1	12.23	June 1	13.34	Sept. 1	14.65	Dec. 1	11.67

M-45. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 167 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 12.27 below lsd, Dec. 31, 1958; lowest 58.26 below lsd, June 30, 1961. Records available: 1958-61.

Jan. 1	16.81	Mar. 31	16.20	June 30	58.26	Oct. 2	16.25
Feb. 1	15.57	May 1	16.64	Aug. 1	57.12	Nov. 1	17.22
Mar. 1	18.16	June 1	17.91	Sept. 1	18.17	Dec. 1	17.11

M-45b. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level

8.64 below lsd, Oct. 2, 1958; lowest 13.02 below lsd, Oct. 1, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.25	Mar. 31	12.76	June 30	12.07	Oct. 2	11.97
Feb. 1	12.50	May 1	12.82	Aug. 1	11.64	Nov. 1	11.94
Mar. 1	12.44	June 1	11.61	Sept. 1	11.90	Dec. 1	11.44

M-45d. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 152 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.08 below lsd, Oct. 2, 1958; lowest 42.27 below lsd, June 30, 1961. Records available: 1958-61.

Jan. 1	20.65	Mar. 31	19.04	June 30	42.27	Oct. 2	20.04
Feb. 1	17.94	May 1	19.85	Aug. 1	40.77	Nov. 1	21.74
Mar. 1	23.10	June 1	23.69	Sept. 1	24.31	Dec. 1	22.10

M-46. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 109 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 10.60 below lsd, Dec. 31, 1958; lowest 43.21 below lsd, Nov. 2, 1959. Records available: 1958-61.

Jan. 1	13.43	Mar. 31	42.28	June 30	13.55	Oct. 2	41.82
Feb. 1	13.53	May 1	33.10	Aug. 1	14.74	Nov. 1	12.97
Mar. 1	13.18	June 1	42.42	Sept. 1	42.86	Dec. 1	12.56

M-46b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 50 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 9.80 below lsd, Oct. 2, 1958; lowest 15.76 below lsd, Sept. 1, 1959. Records available: 1958-61.

Jan. 1	13.16	Mar. 31	15.51	June 30	13.09	Oct. 2	14.12
Feb. 1	13.47	May 1	15.13	Aug. 1	12.70	Nov. 1	12.73
Mar. 1	13.55	June 1	14.26	Sept. 1	14.84	Dec. 1	12.16

M-46d. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 109 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.35 below lsd, Dec. 1, 1958; lowest 34.22 below lsd, July 1, 1959. Records available: 1958-61.

Jan. 1	21.23	Mar. 31	29.15	June 30	29.67	Oct. 2	28.82
Feb. 1	18.16	May 1	29.73	Aug. 1	24.67	Nov. 1	24.06
Mar. 1	24.70	June 1	32.70	Sept. 1	33.27	Dec. 1	23.60

M-47. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 146 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.63 below lsd, Feb. 2, 1959; lowest 77.70 below lsd, Dec. 31, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	72.62	Mar. 31	20.16	June 30	76.98	Oct. 2	71.74
Feb. 1	19.57	May 1	20.61	Aug. 1	75.97	Nov. 1	75.65
Mar. 1	75.68	June 1	75.34	Sept. 1	75.64	Dec. 1	75.30

M-47b. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 46 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.85 below lsd, July 3, 1958; lowest 17.54 below lsd, Dec. 31, 1959. Records available: 1958-61.

Jan. 1	16.94	Mar. 31	16.79	June 30	16.87	Oct. 2	16.28
Feb. 1	16.51	May 1	16.71	Aug. 1	16.27	Nov. 1	16.02
Mar. 1	17.49	June 1	16.60	Sept. 1	16.45	Dec. 1	16.23

M-47d. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 128 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.61 below lsd, Oct. 2, 1958; lowest 18.21 below lsd, Dec. 31, 1959. Records available: 1958-61.

Jan. 1	17.46	Mar. 31	17.03	June 30	17.64	Oct. 2	16.98
Feb. 1	16.74	May 1	16.88	Aug. 1	17.11	Nov. 1	17.13
Mar. 1	18.10	June 1	17.41	Sept. 1	17.31	Dec. 1	17.25

M-48. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 256 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 24.30 below lsd, Dec. 31, 1958, Feb. 2, 1959; lowest 84.82 below lsd, July 1, 1960. Records available: 1958-61.

Jan. 1	28.74	Mar. 31	29.28	June 30	83.04	Oct. 2	83.08
Feb. 1	27.17	May 1	84.35	Aug. 1	27.95	Nov. 1	24.46
Mar. 1	83.68	June 1	25.29	Sept. 1	25.95	Dec. 1	27.06

M-48b. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 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 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.35 below lsd, Feb. 2, 1959; lowest 30.57 below lsd, Dec. 1, 1959. Records available: 1958-61.

Jan. 1	26.78	Mar. 31	27.19	June 30	26.11	Oct. 2	25.64
Feb. 1	26.62	May 1	27.27	Aug. 1	25.92	Nov. 1	24.73
Mar. 1	26.91	June 1	26.21	Sept. 1	25.33	Dec. 1	24.94

M-48d. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 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 243 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.82 below lsd, May 23, 1958; lowest 48.54 below lsd, June 1, 1961. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	31.69	Mar. 31	32.05	June 30	44.73	Oct. 2	44.54
Feb. 1	30.24	May 1	45.41	Aug. 1	30.80	Nov. 1	27.73
Mar. 1	45.31	June 1	48.54	Sept. 1	29.15	Dec. 1	29.88

M-49. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 249 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 24.20 below lsd, Dec. 31, 1958; lowest 60.24 below lsd, Apr. 1, 1960. Records available: 1958-61.

Jan. 1	58.84	Mar. 31	59.35	June 30	28.64	Oct. 2	28.00
Feb. 1	28.67	May 1	29.70	Aug. 1	58.50	Nov. 1	25.70
Mar. 1	29.46	June 1	25.29	Sept. 1	27.31	Dec. 1	58.55

M-49b. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 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 50 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.40 below lsd, Dec. 31, 1958; lowest 28.45 below lsd, Dec. 1, 1958. Records available: 1958-61.

Jan. 1	24.67	Mar. 31	24.99	June 30	24.16	Oct. 2	23.66
Feb. 1	24.63	May 1	24.99	Aug. 1	24.20	Nov. 1	22.84
Mar. 1	24.72	June 1	24.27	Sept. 1	23.72	Dec. 1	23.25

M-49d. (C) City of Wichita. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 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 245 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 23.58 below lsd, Nov. 1, 1958; lowest 40.74 below lsd, Sept. 1, 1959. Records available: 1958-61.

Jan. 1	39.77	Mar. 31	40.28	June 30	28.25	Oct. 2	27.60
Feb. 1	28.38	May 1	29.31	Aug. 1	38.70	Nov. 1	25.22
Mar. 1	29.11	June 1	24.41	Sept. 1	26.96	Dec. 1	38.40

M-50. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 250 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 24.31 below lsd, Dec. 31, 1958; lowest 79.75 below lsd, Nov. 1, 1961. Records available: 1958-61.

Jan. 1	28.78	Mar. 31	29.27	June 30	27.32	Oct. 2	26.83
Feb. 1	78.35	May 1	28.33	Aug. 1	27.82	Nov. 1	79.75
Mar. 1	28.25	June 1	24.62	Sept. 1	77.89	Dec. 1	27.10

M-50b. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 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 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.14 below lsd, Feb. 2, 1959; lowest 26.84 below lsd, May 2, 1960. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	25.06	Mar. 31	25.56	June 30	23.84	Oct. 2	23.32
Feb. 1	26.48	May 1	24.97	Aug. 1	24.00	Nov. 1	23.99
Mar. 1	23.90	June 1	23.28	Sept. 1	25.22	Dec. 1	23.39

M-50d. (C) City of Wichita. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 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 243 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.65 below lsd, Jan. 23, 1958; lowest 37.16 below lsd, May 2, 1960. Records available: 1958-61.

Jan. 1	27.54	Mar. 31	28.01	June 30	25.25	Oct. 2	24.75
Feb. 1	36.69	May 1	26.24	Aug. 1	26.45	Nov. 1	34.26
Mar. 1	26.10	June 1	22.78	Sept. 1	35.48	Dec. 1	25.85

HASKELL COUNTY

10. (C) Eli 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: 1941-61. Jan. 6, 51.00; Oct. 3, 51.70. Measurement discontinued.

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 188.52 below lsd, May 7, 1959. Records available: 1941-52, 1956-59. Measurement discontinued.

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

27-34-26aa. (C) Frank Frey. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 365 feet. Measuring point, top hole in north side steel pump base, 1.50 feet above lsd. Highest water level 185.50 below lsd, Apr. 15, 1959; lowest 186.95 below lsd, Sept. 30, 1958. Records available: 1958-60. No measurement made in 1961.

28-32-18bb. (C) Lawrence Meairs. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 438 feet. Measuring point, south outside edge of sloping pipe, 1.10 feet above lsd. Highest water level 192.35 below lsd, Nov. 21, 1958; lowest 194.10 below lsd, May 14, 1959. Records available: 1958-60. No measurement made in 1961.

28-32-25cb. (C) Owner unknown. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 200 feet. Measuring point, $\frac{1}{2}$ -inch hole west side of well cover plate, 0.80 foot above lsd since July 18, 1961. Highest water level 182.08 below lsd, Feb. 12, 1958; lowest 185.13 below lsd, Aug. 22, 1960. Records available: 1956-61. Jan. 6, 183.80; July 18, 183.43; Oct. 3, 183.56.

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 220.65 below lsd, Oct. 22, 1961. Records available: 1956-61. Jan. 6, 220.09; Apr. 4, 220.40; July 18, 220.05; Oct. 22, 220.65.

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

29-32-26cb2. (C) Kelly McClure. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 384 feet. Measuring point, 0.70 foot above lsd. Highest water level 199.16 below lsd, Jan. 6, 1961; lowest 199.35 below lsd, Oct. 21, 1960. Records available: 1960-61. Jan. 6, 199.16; Apr. 4, 199.20; July 18, 199.28.

29-34-2ba. (C) C. M. Light. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 350 feet. Measuring point, top hole in southeast side steel pump base, 1.50 feet above lsd. Highest water level 197.85 below lsd, Jan. 26, 1959; lowest 203.88 below lsd, Sept. 16, 1959. Records available: 1958-60. No measurement made in 1961.

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

HODGEMAN COUNTY

3. (C) C. A. Bradley. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 21 S., R. 2 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 60 to 20 inches, depth 76 feet. Measuring point, top south side of concrete curb, 1.00 foot above lsd. Highest water level 21.84 below lsd, Jan. 20, 1959; lowest 39.74 below lsd, Oct. 24, 1956. Oct. 18, 1960 measurement of 29.41 reported in error and should be deleted from record. Records available: 1940-60. Measurement discontinued July 1960.

3a. (C) Harold McFadden. (replacement for and 16 feet east of well 3). Bored irrigation water-table well in alluvium, diameter 16 inches, depth 72 feet. Measuring point, hole on inside of NW corner pump base, 1.74 feet above lsd. Highest water level 28.67 below lsd, July 20, 1960; lowest 31.48 below lsd, Jan. 16, 1961. Records available: 1960-61. 1960: July 5, 29.16; July 20, 28.67. 1961. Jan. 16, 31.48; Apr. 17, 30.71; July 17, 30.55; Oct. 19, 28.73.

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 13.81 below lsd, July 16, 1951; lowest 27.47 below lsd, Nov. 28, 1940. Records available: 1940-55, 1957-61. Jan. 16, 23.92; Apr. 17, 24.12; July 17, 23.21; Oct. 19, 22.73.

24-26-35cb. (C) A. C. Jemes. Drilled stock water-table well in Ogallala Formation, diameter 5 $\frac{1}{2}$ inches, depth (remeasured 1961) 86 feet. Measuring point, top north side of casing, 0.60 foot above lsd. Highest water level 63.50 below lsd, Jan. 17, 1961; lowest 65.29 below lsd, Oct. 22, 1956. Records available: 1954-61. Jan. 17, 63.50; Apr. 17, 64.39; July 18, 64.29; Oct. 24, 64.27.

JACKSON COUNTY

7-15-3ca. (C) Fred Shafer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 17 feet. Measuring point, top south side of casing, 0.40 foot above lsd. Highest water level 5.79 below lsd, Apr. 13, 1957; lowest 9.70 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57, 1960-61. Feb. 1, 7.40; July 5, 5.98.

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,

southeast corner cement block box, 2.50 feet 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, 1960-61. Feb. 1, 7.05; July 5, 5.70.

JEFFERSON COUNTY

11-18-21cbd. (C) Division of Water Resources. Driven observation well in alluvium, diameter 3/4 inch, depth 25 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 6.22 below lsd, Dec. 1, 1961; lowest 9.68 below lsd, Mar. 1, 1961. Records available: 1959-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	9.13	Apr. 3	9.18	June 30	7.26	Oct. 2	7.32
Feb. 2	9.43	May 1	8.89	July 31	7.01	31	6.87
Mar. 1	9.68	June 1	8.10	Sept. 1	7.35	Dec. 1	6.22

11-19-27bcc1. (C) Buck Creek School. Bored observation well in Pleistocene terrace deposits, diameter 2 to 1 1/4 inches, depth 57 feet. Measuring point, top of 1 1/4-inch galv. iron pipe, 1.00 foot above lsd. Highest water level 27.58 below lsd, May 3, 1961; lowest 27.82 below lsd, July 5, 1961. Records available: 1961. May 3, 27.58; July 5, 27.82.

JEWELL COUNTY

12. (C) M. W. Howe. Lot 4, sec. 30, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara Chalk, diameter 36 inches, depth 88 feet, cribbed with brick. Measuring point, top of wooden platform, 1.30 feet above lsd. Highest water level 39.14 below lsd, July 24, 1951; lowest 77.79 below lsd, June 8, 1938. Records available: 1934-55, 1957. No measurement made in 1961.

45. (C) Victor Yapp. NE 1/4 SW 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 1961.

65. (C) Mrs. B. M. Parkhurst. SE 1/4 SE 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 8.12 below lsd, Nov. 25, 1961; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-55, 1957-58, 1961. Nov. 25, 8.12.

69. (C) Walter Dietz. NW 1/4 lot 2, sec. 7, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 12 inches, depth 37 feet. Measuring point at land surface. Highest water level 5.85 below lsd, July 23, 1951; lowest 24.50 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-55, 1958. No measurement made in 1961.

1-6-5ac. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 1/4 inches, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.30 below lsd, May 25, 1961; lowest 17.15 below lsd, Mar. 13, 1957. Records available: 1953-61. Jan. 25, 14.30; Mar. 15, 14.50; May 25, 10.30; July 12, 12.70; Sept. 20, 10.90; Nov. 9, 12.60.

1-6-5cd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 1/4 inches, depth 43 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 21.30 below lsd, Aug. 31, 1960; lowest 33.16 below lsd, Mar. 3, 1955. Records available: 1953-61. Jan. 25, 25.80; Mar. 15, 27.50; May 25, 28.10; July 12, 26.30; Sept. 20, 22.50; Nov. 9, 23.70.

1-6-5dd2. (MB) U.S.B.R. Jetted observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.80 below lsd, Oct. 15, 1960; lowest 25.40 below lsd, Mar. 15, 1961. Records available: 1960-61. Jan. 25, 23.40; Mar. 15, 25.40; May 25, 24.50; July 12, 21.60; Sept. 20, 21.60; Nov. 9, 22.50.

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 11.20 below lsd, Sept. 20, 1961; lowest 15.40 below lsd, Mar. 13, 1957. Records available: 1953-61. Jan. 25, 12.50; Mar. 15, 12.40; May 25, 12.70; July 12, 11.90; Sept. 20, 11.20; Nov. 9, 11.80.

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: 1950-61. Jan. 25, 8.80; Mar. 15, 8.90; May 25, 7.30; July 12, 6.90; Sept. 20, 7.10; Nov. 9, 7.90.

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 5.70 below lsd, Aug. 16, 1960; lowest 11.04 below lsd, May 24, 1956. Records available: 1953-61. Jan. 25, 8.50; May 25, 6.90; July 12, 6.70; Sept. 20, 6.00; Nov. 9, 7.00.

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 15.80 below lsd, Oct. 15, 1960; lowest 28.04 below lsd, June 30, 1950. Records available: 1950-61. Jan. 25, 18.90; Mar. 15, 19.20; May 25, 18.50; July 12, 18.20; Sept. 20, 17.90; Nov. 9, 18.40.

1-6-6da1. (M) 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: 1950-61. Jan. 25, 15.30; Mar. 15, 15.80; May 25, 15.20; July 12, 14.40; Sept. 20, 11.70; Nov. 9, 13.10.

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 12.10 below lsd, Sept. 20, 1961; lowest 22.23 below lsd, June 9, 1955. Records available: 1953-61. Mar. 15, 16.90; May 25, 15.90; July 12, 14.80; Sept. 20, 12.10; Nov. 9, 13.20.

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 8.40 below lsd, Sept. 20, 1961; lowest 15.13 below lsd, Mar. 13, 1957. Records available: 1953-61. Jan. 25, 11.50; Mar. 15, 11.90; May 25, 11.20; July 12, 10.10; Sept. 20, 8.40; Nov. 9, 8.60.

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 14.50 below lsd, May 25, 1961; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-61. Jan. 25, 20.10; Mar. 15, 19.80; May 25, 14.50; July 12, 19.80; Sept. 20, 16.30; Nov. 9, 17.20.

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 57.69 below lsd, Dec. 22, 1961; lowest 61.72 below lsd, Feb. 24, 1959. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	60.28	July 10	58.80	Sept. 7	58.49	Nov. 6	58.08
May 9	59.03	Aug. 3	58.70	Oct. 3	58.30	Dec. 22	57.69
June 6	58.95						

1-6-23ad. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 71 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 42.88 below lsd, Sept. 7, 1961; lowest 56.50 below lsd, Mar. 28, 1956. Records available: 1955-61.

Feb. 7	47.60	July 10	44.73	Sept. 7	42.88	Nov. 6	44.50
May 9	48.08	Aug. 3	43.24	Oct. 3	43.62	Dec. 22	45.18
June 6	47.03						

1-6-25bb. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 65 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 35.70 below lsd, Sept. 7, 1961; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-61.

Feb. 7	40.36	July 10	40.24	Sept. 7	35.70	Nov. 6	37.93
May 9	42.17	Aug. 3	36.09	Oct. 3	36.65	Dec. 21	38.63
June 6	40.80						

1-6-25bc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 70 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 16.05 below lsd, Dec. 21, 1961; lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-61.

Feb. 7	19.93	July 10	18.72	Sept. 7	16.94	Nov. 4	16.68
May 9	19.94	Aug. 3	16.61	Oct. 3	16.20	Dec. 21	16.05
June 6	18.73						

1-6-25cc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.42 below lsd, Sept. 7, 1961; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-61.

Feb. 7	16.53	June 6	16.60	Sept. 7	11.42	Nov. 4	12.24
May 9	17.74	Aug. 1	11.92	Oct. 3	11.55	Dec. 21	12.25

1-6-25dd. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 75 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 6.20 below lsd, Dec. 21, 1961; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56, 1958-61.

Feb. 7	12.96	July 10	9.30	Sept. 7	6.65	Nov. 6	6.67
May 3	12.75	Aug. 3	7.23	Oct. 3	6.30	Dec. 21	6.20
June 6	10.20						

1-6-34ddd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.60 feet below lsd. Highest

water level 13.14 below lsd, Sept. 7, 1961; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57, 1959, 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 6	20.20	Aug. 1	13.30	Oct. 3	14.72	Dec. 21	17.51
July 7	16.45	Sept. 7	13.14	Nov. 3	16.47		

1-6-35ba. (MB) U.S.B.R. Drilled and jetted well in deposits of Pleistocene age, diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 23.05 below lsd, Dec. 21, 1961; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57, 1959-61.

Feb. 7	25.48	July 7	24.62	Sept. 7	24.80	Nov. 3	23.78
May 8	25.33	Aug. 1	24.80	Oct. 3	24.07	Dec. 21	23.05
June 6	24.24						

1-7-1bb. (MB) U.S.G.S. Driven well in alluvium, diameter 1¼ 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: 1947-61. Jan. 25, 9.70; Mar. 15, 9.80; May 25, 8.80; July 12, 7.40; Sept. 20, 9.30; Nov. 9, 9.60.

1-7-1db. (MB) U.S.B.R. Drilled well in alluvium, diameter 1¼ 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: 1953-61. Jan. 25, 9.00; Mar. 15, 9.10; May 25, 5.60; July 12, 6.70; Sept. 20, 6.30; Nov. 9, 7.70.

1-7-1dc. (MB) U.S.B.R. Drilled well in alluvium, diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.85 below lsd, May 1, 1959; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-61. Mar. 15, 3.90; May 25, 2.00; July 12, 5.10; Sept. 20, 4.10; Nov. 9, 4.40.

1-7-2da. (MB) U.S.G.S. Driven well in alluvium, diameter 1¼ 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: 1947-61. Jan. 25, 5.90; Mar. 15, 6.00; May 25, 3.00; July 12, 3.80; Sept. 20, 3:30; Nov. 9, 4.40.

1-7-4ad. (MB) U.S.B.R. Driven well in alluvium, diameter 1¼ 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: 1953-61. Jan. 25, 3.10; Mar. 15, 2.70; Sept. 20, 2.00; Nov. 9, 2.10.

1-7-4ba. (MB) U.S.B.R. Driven well in alluvium, diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.50 below lsd, Oct. 15, 1960; lowest 14.20 below lsd, Feb. 3, 1954. Records available: 1953-61. Jan. 25, 10.50; Mar. 15, 10.80.

2-6-2dd. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age, diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 21.06 below lsd, Sept. 7, 1961; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-61.

Feb. 7	28.76	July 7	28.63	Sept. 7	21.06	Nov. 4	25.16
May 9	29.09	Aug. 1	27.02	Oct. 3	24.09	Dec. 21	25.07
June 5	28.32						

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 19.15 below lsd, Aug. 1, 1961; lowest 38.45 below lsd, May 3, 1956. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	29.85	Aug. 1	19.15	Oct. 3	25.19	Dec. 21	27.49
July 7	22.30	Sept. 7	19.73	Nov. 4	26.63		

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, 2.00 feet above present land surface (4.50 feet below original measuring point); and 1.3 feet below original land surface datum. A correction of 1.3 has been added to measurements made subsequent to March 1961 to convert them to the original datum. Highest water level 9.90 below lsd, Oct. 3, 1961; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-59, 1961.

Feb. 7	11.19	July 7	10.62	Sept. 7	10.24	Nov. 3	9.95
May 8	11.40	Aug. 1	10.52	Oct. 3	9.90	Dec. 21	10.14
June 6	10.45						

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 20.27 below lsd, Sept. 7, 1961; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-61.

Feb. 7	24.35	July 7	22.09	Sept. 7	20.27	Nov. 3	20.98
May 8	24.72	Aug. 1	20.42	Oct. 3	20.46	Dec. 21	21.56
June 6	22.95						

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 28.89 below lsd, July 1, 1960; lowest 44.25 below lsd, May 3, 1956. Records available: 1956-58, 1960. Measurement discontinued.

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 26.59 below lsd, Nov. 1, 1960; lowest 42.74 below lsd, Oct. 20, 1955. Records available: 1955-58, 1960. Measurement discontinued.

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 13.69 below lsd, May 3, 1960; lowest dry, Feb. 21, 1957. Records available: 1955-61.

Feb. 7	15.25	July 7	14.03	Sept. 7	14.36	Nov. 3	14.20
May 8	15.33	Aug. 1	14.26	Oct. 3	14.11	Dec. 21	14.33
June 6	13.73						

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 20.33 below lsd, July 1, 1960; lowest 32.73 below lsd, Jan. 13, 1958. Records available: 1955-58, 1960. Measurement discontinued.

2-6-8bba. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 7.67 below lsd, May 2, 1960; lowest 18.79 below lsd, June 7, 1956. Records available: 1955-58, 1960. Measurement discontinued.

2-6-8bc. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 3.79 below lsd, May 2, 1960; lowest 14.50 below lsd, Mar. 28, 1956. Records available: 1956-58, 1960. Measurement discontinued.

2-6-8bd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 25.79 below lsd, Sept. 1, 1960; lowest 38.58 below lsd, Nov. 1, 1957. Records available: 1955-58, 1960. Measurement discontinued.

2-6-8ca. (MB) U.S.B.R. Drilled well in alluvium, diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 4.96 below lsd, July 1, 1960; lowest 16.83 below lsd, Dec. 20, 1955, Mar. 28, 1956. Records available: 1955-58, 1960. Measurement discontinued.

2-6-8cb1. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 6.11 below lsd, May 2, 1960; lowest 15.86 below lsd, Mar. 28, 1956. Records available: 1956-58, 1960. Measurement discontinued.

2-6-8cb2. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 58 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.22 below lsd, May 2, 1960; lowest 15.83 below lsd, June 7, 1956. Records available: 1956-58, 1960. Measurement discontinued.

2-6-8cb3. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ 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, 1960. Measurement discontinued.

2-6-8dda. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.44 below lsd, July 1, 1960; lowest 22.77 below lsd, Oct. 8, 1957. Records available: 1955-58, 1960. Measurement discontinued.

2-6-9bd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 27.87 below lsd, Dec. 21, 1961; lowest dry, Jan. 4, 1958. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	30.32	July 7	28.69	Sept. 7	28.86	Nov. 3	28.28
May 9	29.59	Aug. 1	28.89	Oct. 3	28.68	Dec. 21	27.87
June 5	28.79						

2-6-9dd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 82 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.42 below lsd, Sept. 9, 1958; lowest 38.13 below lsd, Sept. 1, 1955. Records available: 1955-59. Measurement discontinued.

2-6-10cb. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 56 feet. Measuring point, top of pipe, 2.20 above lsd. Highest water level 23.42 below lsd, Sept. 9, 1958; lowest 37.76 below lsd, July 11, 1956. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	27.92	July 7	27.10	Sept. 7	23.60	Nov. 3	23.75
May 9	28.32	Aug. 1	24.52	Oct. 3	23.54	Dec. 21	24.49
June 5	26.98						

2-6-11da2. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.93 below lsd, Oct. 3, 1961; lowest 20.80 below lsd, June 7, 1956. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	16.95	July 7	16.66	Sept. 7	15.67	Nov. 4	14.98
May 9	16.10	Aug. 1	15.60	Oct. 3	14.93	Dec. 21	15.18
June 5	15.00						

2-6-15cc. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 3.13 below lsd, May 2, 1960; lowest 13.02 below lsd, June 7, 1956. Records available: 1955-58, 1960. Measurement discontinued.

2-6-15dd. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ 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. Measurement discontinued.

2-6-16bc. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1½ inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.32 below lsd, July 7, 1960; lowest 19.20 below lsd, Nov. 8, 1956. Records available: 1955-58, 1960. Measurement discontinued.

2-6-17add. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 58 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 11.55 below lsd, Aug. 1, 1960; lowest 19.18 below lsd, Mar. 3, 1958. Records available: 1955-58, 1960. Measurement discontinued.

2-6-17bba. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 18.49 below lsd, July 1, 1960; lowest 26.85 below lsd, Oct. 8, 1957. Records available: 1955-58, 1960. Measurement discontinued.

2-6-17db. (MB) U.S.B.R. Jetted well in alluvium, diameter 1¼ inches, depth 18 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 7.69 below lsd, May 2, 1960; lowest 14.57 below lsd, Feb. 21, 1957. Records available: 1955-58, 1960. Measurement discontinued.

2-6-36dd. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 24.50 below lsd, May 6, 1960; lowest dry throughout 1957, 1958, and 1959. Records available: 1956-60. Measurement discontinued.

JOHNSON COUNTY

11-23-33b. (C) U.S.G.S. and K.G.S. Bored water-table observation well in alluvium, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 18.55 below lsd, July 13, 1961; lowest 20.09 below lsd, May 11, 1961. Records available: 1961. May 11, 20.09; May 24, 19.66; July 13, 18.55.

11-23-33bba. (C) U.S.G.S. and K.G.S. Bored water-table observation well in alluvium, diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 3.8 feet

above lsd. Highest water level 17.93 below lsd, May 24, 1961; lowest 22.84 below lsd, July 13, 1961. Records available: 1961. May 11, 20.71; May 24, 17.93; July 13, 22.84.

11-23-33bdd. (C) U.S.G.S. and K.G.S. Bored water-table observation well in alluvium, diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 21.63 below lsd, July 13, 1961; lowest 23.83 below lsd, May 11, 1961. Records available: 1961. May 11, 23.83; May 24, 23.41; July 13, 21.63.

12-22-25bcc. (C) U.S.G.S. Bored water-table observation well in alluvium, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.8 feet above lsd. Highest water level 15.40 below lsd, May 24, 1961; lowest 16.17 below lsd, May 11, 1961. Records available: 1961. May 11, 16.17; May 24, 15.40; July 13, 15.55.

KEARNY COUNTY

13a. (C) Kearny County. NW¼ NE¼ 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 9.66 below lsd, July 20, 1961. Records available: 1953-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	8.77	Apr. 20	8.69	July 20	9.66	Oct. 19	9.17
Feb. 23	8.65	May 25	8.56	Aug. 24	8.84	Nov. 22	8.62
Mar. 23	8.52	June 22	8.66	Sept. 21	8.99	Dec. 21	8.60

16. (C) C. B. Campbell. SE cor. 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: 1939-61. Jan. 11, 50.24; Apr. 24, 50.35; July 19, 50.65; Oct. 17, 53.02.

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: 1956-61. Jan. 11, 173.95; Apr. 24, 173.78.

26-37-21dd. (C) H. G. Webber. Drilled irrigation artesian well in deposits of Pliocene and Cretaceous age, diameter 16 inches, depth 330 feet. Measuring point, top hole in southwest side steel pump base, 0.50 foot above lsd. Highest water level 53.39 below lsd, Jan. 12, 1959; lowest 55.10 below lsd, May 11, 1959. Records available: 1958-61. Jan. 11, 54.67.

KINGMAN COUNTY

4. (C) N. Lawson. NW¼ NW¼ sec. 9, T. 27 S., R. 9 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth (re-measured 1961) 64 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: 1945-61. Jan. 19, 57.50; Apr. 20, 57.74; July 20, 55.81; Oct. 18, 55.92.

30-5-12cca. (C) Robert Lowery. Drilled irrigation well in sand and gravel of Pleistocene age, diameter 16 inches, depth 62 feet. Measuring point, base of irrigation pump on north side, 1.44 feet above lsd. Highest water level 21.38 below lsd,

Jan. 22, 1960; lowest 24.49 below lsd, July 18, 1960. Records available: 1955, 1959-61. Jan. 19, 22.15; Apr. 20, 22.11; July 20, 23.47; Oct. 18, 22.65.

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 (remeasured 1961) 99 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: 1940-61. Jan. 18, 66.85; Apr. 19, 66.88; July 19, 67.07; Oct. 24, 67.07.

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: 1940-61. Jan. 18, 17.51; Apr. 19, 17.75; July 19, 17.86. Measurement discontinued.

8a. (C) Gilbert Yahn. (Replacement for and 412 feet east of well 8) SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 27 S., R. 18 W. Bored water-table observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 2.90 feet above lsd. Records available: 1961. July 19, 15.43; Oct. 24, 15.43.

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 (remeasured 1961) 85 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, 1944-61. Jan. 18, 31.48; Apr. 19, 30.76; July 19, 30.58; Oct. 24, 30.08.

LANE COUNTY

17-30-13cbb. (C) F. L. Burmeister. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 94 feet. Measuring point, top of 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: 1950-61. Mar. 13, 84.11; June 7, 84.10; Sept. 5, 84.31; Dec. 5, 83.90.

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: 1950-61. Mar. 13, 86.48; June 7, 86.33; Sept. 5, 86.29; Dec. 5, 86.19.

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: 1950-61. Mar. 13, 54.50; June 7, 54.70; Sept. 5, 54.63; Dec. 5, 54.32.

19-30-3daa. (C) John Kees. Dug unused water-table well in Ogallala Formation, diameter 4 feet, depth 73 feet. Measuring point, top of concrete curb, 0.70 foot above lsd. Highest water level 63.60 below lsd, Mar. 6, 1959; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-61. Mar. 13, 64.90; June 7, 64.84; Sept. 5, 64.81; Dec. 5, 64.54.

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, 1960-61. Feb. 1, 9.30; July 6, 1.80.

LINCOLN COUNTY

12-7-19dd. (MB) H. R. Behern. Dug stock and observation water-table well in alluvium, diameter 36 inches, depth 16 feet, cribbed with rock. Measuring point, top of surface board platform, at land surface. Highest water level 7.29 below lsd, June 3, 1952; lowest dry, Mar. 13, 1957. Records available: 1947-61. Mar. 16, 11.00.

12-8-11cb. (MB) Jim and Ed Healy. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete curb, at land surface. Highest water level 4.76 below lsd, July 25, 1951; lowest 20.90 below lsd, Dec. 20, 1956. Records available: 1947-61. Mar. 16, 19.00; May 10, 17.42; June 26, 13.22; Sept. 19, 15.28.

12-10-21dd. (MB) F. D. Meyer. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete platform, 0.30 foot above lsd. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 27.88 below lsd, Dec. 20, 1956. Records available: 1947-61. Mar. 16, 27.70; May 10, 25.63; June 26, 24.79; Sept. 19, 24.75.

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. Measurement discontinued.

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, 1961. Sept. 19, 8.31.

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, 1960-61. Sept. 18, 8.70.

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 (remeasured 1961) 104 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 96.25 below lsd, Apr. 21, 1953; lowest 99.39 below lsd, Apr. 11, 1960. Records available: 1942-61. Apr. 12, 96.82; Apr. 19, 97.07; July 26, 96.98; Oct. 18, 97.46.

11-34-16cd. (C) Arthur Peterson. Drilled stock well in Ogallala Formation, depth (remeasured 1961) 142 feet. Measuring point, hole in center of top of tank, 1.50 feet above lsd. Highest water level 118.64 below lsd, July 26, 1961; lowest 120.98 below lsd, July 13, 1961. Records available: 1959-61. Mar. 16, 118.72; Apr. 12, 119.02; July 13, 120.98; July 26, 118.64; Oct. 18, 118.66.

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 40.00 below lsd, Apr. 11, 1960; lowest 44.60

below lsd, Aug. 10, 1954. Records available: 1952-61. Jan. 17, 40.29; Apr. 12, 40.30; July 13, 40.58; Oct. 18, 40.72.

13-32-27aa. (C) Owner unknown. Drilled stock well in Niobrara Chalk, diameter 5 inches, depth (remeasured 1961) 49 feet. Measuring point, top of hole in lid over casing, 1.30 feet above lsd. Highest water level 39.67 below lsd, Oct. 18, 1961; lowest 41.14 below lsd, Jan. 9, 1957. Records available: 1956-61. Jan. 17, 39.96; Apr. 19, 39.78; July 13, 39.77; Oct. 18, 39.67.

MCPHERSON COUNTY

17-3-4bb. (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, 1955-61. Mar. 17, 19.48; May 11, 19.24; June 27, 18.90; Aug. 24, 19.66; Sept. 20, 19.39; Dec. 28, 19.47.

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, 1955-61. Mar. 17, 19.65; May 11, 18.92; June 27, 18.49; Aug. 24, 19.80; Sept. 20, 19.38; Dec. 28, 20.37.

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, 1955-61. Mar. 17, 17.68; May 11, 17.25; June 27, 15.78; Aug. 24, 16.31; Sept. 20, 16.27; Dec. 28, 17.30.

17-3-17dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 37 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: 1946-61. Mar. 17, 25.58; May 11, 25.18; June 27, 24.16; Aug. 24, 24.50; Sept. 20, 24.29; Dec. 28, 24.85.

17-3-19ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 30 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: 1951-61. Mar. 17, 22.57; May 11, 21.90; June 27, 20.25; Aug. 24, 20.48; Sept. 20, 20.58; Dec. 28, 21.85.

17-3-30dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 55 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: 1946-61. Mar. 17, 29.08; May 11, 28.84; June 27, 27.75; Aug. 24, 27.85; Sept. 20, 27.58; Dec. 28, 28.35.

17-4-20ddd. (MB) U.S.G.S. Jetted observation well in colluvium, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 19 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 0.38 below lsd, Mar. 27, 1960; lowest dry, May 11, 1956. Records available: 1950-61. Mar. 17, 5.83; May 11, 2.72; June 27, 4.67; Aug. 24, 7.55; Sept. 20, 8.16; Dec. 28, 8.73.

17-4-25dd. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 39 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: 1946-61.

Mar. 17, 23.47; May 11, 23.45; June 27, 23.00; Aug. 24, 23.09; Sept. 20, 23.02; Dec. 28, 23.72.

17-4-29ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 22 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, 1955-61. Mar. 17, 19.27; May 11, 17.95; June 27, 15.80; Aug. 24, 16.35; Sept. 20, 16.28; Dec. 28, 16.39.

17-4-31baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 29 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, 1955-61. Mar. 17, 23.24; May 11, 22.09; June 27, 19.30; Aug. 24, 20.15; Sept. 20, 20.12; Dec. 28, 21.36.

17-4-32baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 30 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, 1955-61. Mar. 17, 21.56; May 11, 21.30; June 27, 20.02; Aug. 24, 20.30; Sept. 20, 19.86; Dec. 28, 20.60.

17-4-33bbb. (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, 1.60 feet above lsd. Highest water level 11.05 below lsd, Aug. 20, 1951; lowest dry, Apr. 7, Aug. 19, 1955, Jan. 4, Sept. 7, 1956. Records available: 1950-53, 1955-61. Mar. 17, 21.75; May 11, 20.85; June 27, 19.43; Aug. 24, 20.80; Sept. 20, 20.49; Dec. 28, 21.26.

17-4-36abb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 30 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, 1955-61. Mar. 17, 21.59; May 11, 22.82; June 27, 22.33; Aug. 24, 22.57; Sept. 20, 22.59; Dec. 28, 22.97.

17-5-4ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 17 feet. Measuring point, top of pipe, 4.30 feet above lsd. Highest water level 12.92 below lsd, Apr. 1, 1958; lowest dry, July 23, 1953, Apr. 7, 1955, May 11, July 31, Sept. 7, 1956. Records available: 1951-53, 1955-61. Mar. 17, 15.44; May 11, 13.47; June 27, 13.79; Aug. 24, 15.17; Sept. 20, 15.15; Dec. 28, 15.38.

17-5-7aad. (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, 2.70 feet above lsd. Highest water level 6.01 below lsd, Oct. 1, 1951; lowest 15.89 below lsd, Aug. 19, 1955. Records available: 1951-53, 1955-61. Mar. 17, 15.48; May 11, 15.00; June 27, 12.36; Aug. 24, 12.78; Sept. 20, 12.63; Dec. 28, 14.65.

17-5-7bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 32 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, 1955-61. Mar. 17, 25.79; May 11, 25.75; June 27, 24.98; Aug. 24, 24.87; Sept. 20, 24.82; Dec. 28, 24.86.

17-5-8ccc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 19 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, 1955-61. Mar. 17, 8.31; May 11, 7.64; June 27, 7.15; Aug. 24, 7.33; Sept. 20, 6.75; Dec. 28, 7.97.

17-5-8ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 23 feet. Measuring point, top of pipe, 1.60 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, 1955-61. Mar. 17, 10.20; May 11, 7.10; June 27, 6.36; Aug. 24, 7.68; Sept. 20, 7.83; Dec. 28, 9.32.

17-5-11bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 19 feet. Measuring point, top of pipe, 2.20 feet above lsd since Dec. 1957. Highest water level 1.87 below lsd, Oct. 1, 1951; lowest 16.30 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-61. Mar. 17, 6.71; May 11, 4.78; June 27, 5.48; Aug. 24, 6.80; Sept. 20, 7.21; Dec. 28, 7.60.

17-5-16aaa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 24 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 10.39 below lsd, Oct. 1, 1951; lowest 20.23 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-61. Mar. 17, 19.03; May 11, 17.80; June 27, 14.94; Aug. 24, 16.20; Sept. 20, 16.23; Dec. 28, 18.48.

17-5-21dad. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 20 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, 1955-61. Mar. 17, 17.38; May 11, 17.45; June 27, 14.63; Aug. 24, 15.43; Sept. 20, 14.46; Dec. 28, 16.40.

17-5-25aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 30 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, 1955-61. Mar. 17, 13.57; May 11, 12.80; June 27, 12.88; Aug. 24, 13.66; Sept. 20, 12.76; Dec. 28, 13.75.

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: 1950-61. Mar. 17, 18.84; May 11, 17.70; June 27, 16.35; Aug. 24, 17.02; Sept. 20, 16.80; Dec. 28, 17.10.

MEADE COUNTY

41. (C) D. L. Shranner. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 30 S., R. 30 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 180 feet. Measuring point, hole in east side of pump base, 0.75 foot above lsd. Highest water level 155.75 below lsd, Dec. 13, 1954; lowest 159.40 below lsd, Sept. 21, 1960. Records available: 1939-42, 1954-61. Jan. 4, 157.15; Mar. 8, 157.74. Well destroyed.

45. (C) Joseph Roche. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 30 S., R. 27 W. Drilled unused water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 3 inches, depth 200 feet. Measuring point, top of casing, 1.80 feet above lsd. Highest water level 0.42 below lsd, Dec. 20, 1949; lowest 22.84 below lsd, Sept. 13, 1956. Records available: 1939-61. Mar. 8, 19.87; June 13, 18.25; Sept. 12, 22.55; Dec. 4, 20.05.

77. (C) J. W. Wood. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 32 S., R. 28 W. Drilled unused water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 3 inches, depth 126 feet. Measuring point, bottom of T in 3-inch casing, 2.60 feet above lsd. Highest water level 60.18 below lsd, Mar. 19, 1952; lowest 67.12 below lsd, Sept. 9, 1943. Records available: 1939-61. Mar. 8, 63.25; June 13, 63.33; Sept. 12, 64.21.

161. (C) C. R. Cheney. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 31 S., R. 27 W. Bored stock water-table well in alluvium and Upper Pleistocene deposits, diameter 6 inches, depth 18 feet. Measuring point, top south side of casing, 0.80 foot above lsd. Highest water level 6.23 below lsd, Sept. 9, 1953; lowest 12.30 below lsd, Sept. 20, 1939. Records available: 1939, 1952-61. Mar. 8, 9.76; Sept. 12, 8.45; Dec. 4, 8.97.

234. (C) Chris Sobba. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 30 S., R. 27 W. Drilled unused water-table well in Ogallala Formation, diameter 16 inches, depth 210 feet. Measuring point, top of casing, at land surface. An irrigation well nearby is affecting this well. Highest water level 11.47 below lsd, July 8, 11, 1956; lowest 47.11 below lsd, Aug. 5, 1955. Records available: 1939-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.87	16.91	.....	16.98	22.83	19.80	18.30	27.70	33.40	25.15	20.90	17.85
10	16.85	16.70	.....	16.95	22.86	18.65	21.60	31.60	26.90	23.00	19.40	17.65
15	16.75	16.74	19.00	17.30	22.50	18.10	20.10	26.20	22.40	22.70	18.80	.....
20	.....	17.30	.....	21.18	26.35	17.92	23.25	22.40	24.85	23.45	.....	17.55
25	.....	18.02	.....	23.34	24.40	18.00	21.20	20.70	24.30	25.45	.....	17.10
30	16.85	.....	17.15	23.40	21.50	17.85	27.20	25.45	22.85	.....	17.95	17.00

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 17.68 below lsd, Sept. 21, 1960. Records available: 1954-61. Mar. 8, 14.70; June 13, 14.87; Sept. 12, 15.20; Dec. 4, 14.46.

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: 1953-61. Mar. 8, 15.64; June 13, 15.39; Sept. 12, 14.85; Dec. 4, 14.65.

30-29-28bb. (C) Edward Pippett. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 400 feet. Measuring point, lower edge of sloping pipe, north side, 0.65 foot above lsd. Highest water level 132.44 below lsd, Jan. 8, 1960; lowest 132.84 below lsd, Jan. 4, 1961. Records available: 1959-61. Jan. 4, 132.84.

33-28-29bc. (C) (Reported as Meade County well 10 in Water Supply Papers 886 to 1018) 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 13.10 below lsd, June 10, 1941, May 12, 1942; lowest 18.91 below lsd, Aug. 3, 1939. Records available: 1939-44, 1953-61. Mar. 8, 14.80; June 13, 14.48; Sept. 12, 15.90; Dec. 4, 14.60.

MITCHELL COUNTY

6-8-34ccc. (MB) R. L. Metcalf. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 48 inches, depth 32 feet, cribbed with stone. Measuring point, top surface board platform, 0.40 foot above lsd. Highest water level 15.00 below lsd, Sept. 18, 1961; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-61. Jan. 15, 16.70; May 10, 16.25; June 26, 16.06; Sept. 18, 15.00.

6-9-27ab. (Reported as Jewell County well 42 in Water Supply Papers 777 to 1098) (MB) L. Lowdermilk. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 37 feet, cribbed with rock. Measuring point, top of rock base, 0.40 foot above lsd. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1934-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	22.82	Apr. 10	22.72	June 26	18.57	Sept. 18	16.66
Mar. 15	22.90	May 10	22.22	July 10	19.09	Oct. 4	17.95

6-9-30da. (MB) J. Reinhardt. Drilled domestic and stock well in terrace deposits of Pleistocene age, diameter 6 inches, depth 37 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 17.90 below lsd, July 25, 1951; lowest 32.50 below lsd, Mar. 12, 1957. Records available: 1946-61. Mar. 15, 28.50; May 10, 28.67; June 26, 23.90.

6-9-36ddd. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, depth 43 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level, 20.00 below lsd, Sept. 18, 1961; lowest 26.86 below lsd, May 10, 1961. Records available: 1960-61. Jan. 15, 26.70; May 10, 26.86; June 26, 24.98; Sept. 18, 20.00.

7-7-7aaa. (MB) A. McDysan. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 43 feet. Measuring point, top of rock curb, 1.00 foot above lsd. Highest water level 19.40 below lsd, July 25, 1951; lowest 36.10 below lsd, Mar. 12, 1957. Records available: 1946-61. Jan. 15, 24.00; May 10, 27.65; June 26, 25.72; Sept. 18, 24.53.

7-7-8ba. (MB) U.S.B.R. Bored observation water-table well in sandy silt of Pleistocene age, diameter 1¼ inches, depth 49 feet. Measuring point, top of casing, 1.50 feet above lsd. Highest water level 43.56 below lsd, Sept. 18, 1961; lowest 44.10 below lsd, Mar. 15, 1961. Records available: 1960-61. Mar. 15, 44.10; May 10, 43.92; June 26, 43.80; Sept. 18, 43.56.

7-7-15dcc. (MB) V. R. Schmidt. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 28 feet, cribbed with stone. Measuring point, top of surface stone curb, 0.30 foot above lsd. Highest water level 0.55 below lsd, July 25, 1951; lowest 26.64 below lsd, Mar. 12, 1957. Records available: 1946-61. Mar. 15, 23.00.

7-7-18dda. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of casing, 1.40 feet above lsd. Highest water level 19.95 below lsd, Sept. 18, 1961; lowest 24.92 below lsd, May 10, 1961. Records available: 1960-61. Mar. 15, 24.90; May 10, 24.92; June 26, 20.08; Sept. 18, 19.95.

7-8-5cbb. (MB) Eva Meers. Drilled stock water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top north edge of casing, 1.50 feet above lsd. Highest water level 17.55 below lsd, Aug. 28, 1951; lowest dry, Mar. 12, 1957. Records available: 1946-59. Measurement discontinued.

MORTON COUNTY

22. (C) E. A. Wilcox. SW¼ SE¼ SE¼ 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, 1956-61. Feb. 13, 70.20; May 22, 70.10; Aug. 7, 73.45; Nov. 8, 73.30.

117. (C) W. C. Washburn. SW¼ SW¼ sec. 4, T. 35 S., R. 42 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 216 feet. Measuring point, top west side of casing, 1.20 feet above lsd. Highest water level

152.39 below lsd, Feb. 11, 1959; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-61. Feb. 14, 153.35; May 16, 153.13; Nov. 7, 153.71.

31-40-21dc. (C) Perry A. Williams. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 280 feet. Measuring point, hole in north side of pump base, 1.07 feet above lsd. Highest water level 155.88 below lsd, Feb. 18, 1960; lowest 162.80 below lsd, Nov. 6, 1959. Records available: 1959-61. Feb. 13, 162.18; Nov. 7, 159.68.

32-42-21bc. (C) Leon and Herbert Jackson. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 196 feet. Measuring point, hole in southwest side of pump base, 0.50 foot above lsd. Highest water level 83.62 below lsd, Feb. 18, 1960; lowest 94.10 below lsd, Aug. 7, 1961. Records available: 1959-61. Feb. 14, 87.20; May 16, 88.60; Aug. 7, 94.10.

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 (remeasured 1961) 67 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: 1940-61. Jan. 16, 29.98; Apr. 17, 30.40; July 17, 30.53; Oct. 19, 31.26.

2. (C) C. L. Whitley. SW cor. 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 (remeasured 1961) 51 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: 1940-61. Jan. 16, 23.78; Apr. 17, 23.98; July 17, 28.87; Oct. 19, 22.46.

18-23-31ab. (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 46.06 below lsd, Oct. 19, 1961; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-61. Jan. 16, 47.20; Apr. 17, 47.20; July 17, 46.57; Oct. 19, 46.06.

NORTON COUNTY

2-21-1bb. (MB) Verner Ross. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 70 feet. Measuring point, top east side of pump base, 1.30 feet above lsd. Highest water level 18.76 below lsd, July 23, 1951; lowest 44.70 below lsd, Aug. 23, 1960. Records available: 1946-61. Jan. 12, 27.10; Mar. 2, 26.50; June 21, 24.00; July 27, 38.60; Sept. 26, 28.00; Nov. 1, 27.00.

2-21-2bd. (MB) Vernon J. Hamilton. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 57 feet. Measuring point, top south side of casing, at land surface. Highest water level 17.69 below lsd, Aug. 26, 1951; lowest 29.90 below lsd, June 13, 1957. Records available: 1946-61. Jan. 12, 29.10; Mar. 2, 24.90; July 27, 24.50; Sept. 26, 25.60; Nov. 1, 24.80.

2-21-11aa. (MB) W. B. Woods. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 18 inches, depth 82 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 24.37 below lsd, Oct. 23, 1951; lowest 42.10 below lsd, Feb. 15, 1957. Records available: 1945-61. Jan. 12, 32.10; Mar. 2, 32.70; May 9, 32.70; June 21, 29.90; Sept. 26, 34.20; Nov. 1, 32.40.

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, 1954-61. Jan. 16, 41.92; Apr. 14, 41.88; July 11, 41.77; Oct. 17, 41.76.

4-23-11dd. (C) (Replacement for 4-23-14ad) Frank Harting. Drilled stock and domestic water-table well in Ogallala Formation, diameter 4 inches, depth 71 feet. Measuring point, hole in pump base, 0.55 foot above lsd. Highest water level 46.53 below lsd, Jan. 19, 1961; lowest 47.49 below lsd, Oct. 17, 1961. Records available: 1960-61. 1960: Apr. 13, 47.19; July 13, 46.90. 1961: Jan. 19, 46.53; Apr. 14, 47.43; Oct. 17, 47.49.

4-23-14ad. (C) W. L. Kidder. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 92 feet. Measuring point, top east side of casing, 1.50 feet above lsd. Highest water level 64.35 below lsd, July 13, 1960; lowest 66.41 below lsd, Nov. 16, 1955. Records available: 1946, 1954-60. Measurement discontinued.

OSBORNE COUNTY

6-11-34aa. (MB) Wm. E. Lowdon. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth (remeasured 1961) 38 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 36.50 below lsd, Mar. 12, 1957. Records available: 1945-61. Jan. 18, 33.46; Apr. 10, 33.87; July 10, 31.54; Oct. 11, 30.27.

6-12-7bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth (remeasured 1961) 40 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 24.28 below lsd, Oct. 11, 1961; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	27.03	Apr. 19	26.44	July 10	26.04	Sept. 29	24.30
18	26.83	May 17	26.45	19	25.88	Oct. 11	24.28
Apr. 10	26.74	June 14	26.40	Aug. 16	25.00		

6-12-7dc. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter 3/4 inch, depth (remeasured 1961) 36 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: 1951-61.

Jan. 13	24.63	Apr. 19	25.38	July 10	25.03	Sept. 20	25.16
18	24.74	May 17	25.40	19	24.97	Oct. 11	25.37
Apr. 10	25.10	June 14	25.10	Aug. 16	24.85		

6-12-23cd. (MB) C. Fink. Dug domestic water-table well in terrace deposits of Pleistocene age, diameter 36 inches, depth (remeasured 1961) 30 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: 1945-61. Jan. 18, 22.54; Apr. 10, 22.54; July 10, 19.90.

7-12-15daa. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 1/4 inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 40.36 below lsd, Oct. 20, 1961; lowest 44.18 below lsd, Feb. 18, 1958. Records available: 1956-61. Feb. 11, 42.38; Apr. 12, 42.36; June 16, 41.99; Aug. 4, 41.29; Oct. 20, 40.36.

7-12-15ddd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 30.10 below lsd, Oct. 20, 1961; lowest 35.54 below lsd, Jan. 14, 1957. Records available: 1956-61. Feb. 11, 33.04; Apr. 12, 33.44; June 16, 30.78; Aug. 4, 30.48; Oct. 20, 30.10.

7-12-23bcb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.69 below lsd, Oct. 20, 1961; lowest 31.30 below lsd, May 17, 1956. Records available: 1956-61. Feb. 11, 26.25; Apr. 12, 26.89; June 16, 26.04; Aug. 4, 24.48; Oct. 20, 22.69.

7-12-28ab. (MB) C. E. Galley. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 47 feet, tile casing. Measuring point, top surface of 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: 1946-61. Jan. 18, 31.90; Apr. 10, 32.12; Oct. 11, 29.27.

7-13-7aa. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 48.10 below lsd, Oct. 20, 1961; lowest 53.29 below lsd, May 27, 1957. Records available: 1956-61. Feb. 11, 50.60; Apr. 12, 50.81; June 16, 50.31; Aug. 4, 49.53; Oct. 20, 48.10.

7-13-7da. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 29.94 below lsd, Oct. 20, 1961; lowest 33.63 below lsd, May 27, 1957. Records available: 1956-61. Feb. 11, 31.52; Apr. 12, 31.54; June 16, 31.30; Aug. 4, 30.87; Oct. 20, 29.94.

7-13-10cba. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 31.33 below lsd, Oct. 20, 1961; lowest 40.55 below lsd, Aug. 15, 1956. Records available: 1956-61. Feb. 11, 35.61; Apr. 12, 35.94; June 16, 36.38; Aug. 4, 33.89; Oct. 20, 31.33.

7-13-10cdd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 33.38 below lsd, Aug. 4, 1961; lowest 38.47 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 35.61; Apr. 12, 35.43; June 16, 34.40; Aug. 4, 33.38. Well destroyed.

7-13-11ddd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 76 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 59.58 below lsd, Oct. 20, 1961; lowest 75.52 below lsd, Apr. 21, 1958. Records available: 1956-61. Feb. 11, 62.38; Apr. 12, 61.97; June 16, 61.63; Aug. 4, 59.67; Oct. 20, 59.58.

7-13-13bcc. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 40.45 below lsd, Oct. 20, 1961; lowest 44.31 below lsd, May 27, 1957. Records available: 1956-61. Feb. 11, 41.89; Apr. 12, 42.00; June 16, 41.56; Aug. 4, 41.04; Oct. 20, 40.45.

7-13-14dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.67 below lsd, June 21, 1957; lowest 13.42 below lsd, Jan. 14, 1957. Records available: 1956-61. Feb. 11, 12.61; Apr. 12, 12.52; June 16, 6.10; Aug. 4, 9.06; Oct. 20, 9.48.

7-13-15bbb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 41 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 13.17 below lsd, Oct. 20, 1961; lowest 20.86 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 17.36; Apr. 12, 17.62; June 16, 13.52; Aug. 4, 13.63; Oct. 20, 13.17.

7-13-15da. (MB) J. W. Bathurst. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 53 feet, tile casing. Measuring point, top surface of 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: 1946-61. Jan. 18, 38.69; Apr. 10, 38.69; July 10, 35.67; Oct. 11, 36.98.

7-13-16add. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 65 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 35.47 below lsd, July 22, 1957; lowest 41.86 below lsd, Sept. 12, 1956. Records available: 1956-61. Feb. 11, 39.79; Apr. 12, 39.78; June 16, 38.76; Aug. 4, 37.29; Oct. 20, 37.90.

7-13-17bbc. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 14 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.63 below lsd, July 22, 1957; lowest 9.72 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 8.97; Apr. 12, 8.95; June 16, 5.82; Aug. 4, 7.01; Oct. 20, 5.89.

7-13-17cbb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 69 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 24.00 below lsd, Jan. 17, 1957; lowest 35.31 below lsd, Apr. 18, 1957. Records available: 1957-61. Feb. 11, 34.35; Apr. 12, 34.46; June 16, 30.35; Aug. 4, 30.37; Oct. 20, 30.41.

7-14-4aa. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 47 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 25.48 below lsd, Oct. 20, 1961; lowest 36.18 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 30.59; Apr. 12, 30.80; June 16, 29.46; Aug. 4, 27.85; Oct. 20, 25.48.

7-14-4ad. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 36 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 18.99 below lsd, Oct. 20, 1961; lowest 26.59 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 23.12; Apr. 12, 23.08; June 16, 21.96; Aug. 4, 21.15; Oct. 20, 18.99.

7-14-4dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.12 below lsd, Oct. 20, 1961; lowest 22.37 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 20.33; Apr. 12, 20.16; June 16, 18.98; Aug. 4, 18.60; Oct. 20, 17.12.

7-14-10bb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.00 below lsd, Oct. 20, 1961; lowest 10.74 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 9.23; Apr. 12, 9.09; June 16, 6.02; Aug. 4, 6.84; Oct. 20, 6.00.

7-14-10dd. (MB) John Clark. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 38 feet, tile casing. Measuring point, top surface of board platform, 0.70 foot above lsd. Highest water level 27.69 below lsd, May 25, 1952; lowest dry, Oct. 8, 1959. Records available: 1946-61. Jan. 18, 29.80; Apr. 10, 29.70; July 10, 28.06; Oct. 11, 27.94.

7-15-8ba. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 27.27 below lsd, Oct. 20, 1961; lowest 35.87 below lsd, Apr. 18, 1957. Records available: 1959-61. Feb. 11, 31.48; Apr. 12, 32.08; June 16, 30.18; Aug. 4, 28.20; Oct. 20, 27.27.

7-15-8cc. (MB) F. Dibble. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth (remeasured 1961) 25 feet, cribbed with stone. Measuring point, top surface of cement platform, 1.10 feet above lsd. Highest water level 18.55 below lsd, Aug. 27, 1951; lowest 25.78 below lsd, Mar. 8, 1950. Records available: 1946-61. Jan. 18, 18.51; Apr. 10, 21.00; July 10, 8.60; Oct. 11, 19.49; Oct. 12, 18.66.

7-15-12dc. (MB) Tom Hale, Jr. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 36 feet, tile casing. Measuring point, top south edge of casing, 1.30 feet above lsd. Highest water level 8.56 below lsd, Oct. 11, 1961; lowest 25.00 below lsd, July 10, 1955. Records available: 1946-61. Jan. 18, 18.51; Apr. 10, 21.00; July 10, 8.60; Oct. 11, 8.56.

7-15-17ac. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 34 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 20.44 below lsd, Aug. 4, 1961; lowest 24.39 below lsd, Apr. 18, 1957. Records available: 1956-61. Feb. 11, 22.18; Apr. 12, 22.35; June 16, 20.74; Aug. 4, 20.44; Oct. 20, 20.60.

OTTAWA COUNTY

9-4-6ccd. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 30 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 15.66 below lsd, Sept. 18, 1961; lowest 21.38 below lsd, May 14, 1960. Records available: 1960-61. May 15, 20.00; May 10, 20.17; June 26, 17.44; Sept. 18, 15.66.

9-4-7cdc. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 31 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 8.72 below lsd, Sept. 18, 1961; lowest 12.89 below lsd, Aug. 26, 1960. Records available: 1960-61. Mar. 15, 11.30; May 10, 9.70; June 26, 8.75; Sept. 18, 8.72.

9-4-7ddd. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 40 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 17.24 below lsd, Sept. 18, 1961; lowest 22.32 below lsd, Nov. 28, 1960. Records available: 1960-61. Mar. 15, 22.30; May 10, 21.92; June 26, 17.85; Sept. 18, 17.24.

9-4-32ab. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 31 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 6.44 below lsd, Sept. 18, 1961; lowest 11.80 below lsd, Nov. 28, 1960. Records available: 1960-61. May 10, 11.05; June 26, 8.54; Sept. 18, 6.44.

9-4-33abb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 31 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 13.34 below lsd, June 26, 1961; lowest 24.50 below lsd, Mar. 15, 1961. Records available: 1960-61. 1960: May 14, 20.59; Aug. 26, 22.59; Nov. 28, 24.00; 1961: Mar. 15, 24.50; May 10, 18.60; June 26, 13.34; Sept. 18, 13.50.

9-4-33bab. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.92 below lsd, Sept. 18, 1961;

lowest 18.80 below lsd, May 10, 1961. Records available: 1960-61. May 10, 18.80; June 26, 13.90; Sept. 18, 12.92.

9-5-1abb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 30 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 10.64 below lsd, Sept. 18, 1961; lowest 19.76 below lsd, May 10, 1961. Records available: 1960-61. Mar. 15, 19.70; May 10, 19.76; June 26, 13.82; Sept. 18, 10.64.

PAWNEE COUNTY

7. (C) Ralph Lupfer. NE¼ NE¼ sec. 18, T. 22 S., R. 17 W. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 19 inches, depth (remeasured 1961) 119 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: 1940-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	31.72	Apr. 17	28.18	July 17	27.98	Oct. 19	27.06
Feb. 21	28.20	May 25	27.90	Aug. 17	26.96	Nov. 21	27.08
Mar. 20	28.16	June 20	27.33	Sept. 26	27.05	Dec. 19	26.90

8. (C) F. B. Reed. NW¼ NW¼ sec. 6, T. 22 S., R. 16 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 34 feet. Measuring point, top south side of concrete curb, 1.50 feet above lsd. Highest water level 7.01 below lsd, Aug. 29, 1950; lowest 18.72 below lsd, Sept. 18, 1956. Records available: 1940-61. Measurement discontinued.

Jan. 16	14.80	Mar. 20	14.89	May 25	14.76	July 17	14.70
Feb. 21	14.73	Apr. 17	14.80	June 20	14.63		

8a. (C) (Replacement for well 8) Fred B. Reed. NW¼ NW¼ sec. 6, T. 22 S., R. 16 W. Bored observation water-table well in alluvium, diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 4.70 feet above lsd. Highest water level 15.90 below lsd, Sept. 26, 1961; lowest 16.36 below lsd, July 17, 1961. Records available: 1961. July 17, 16.36; Aug. 17, 16.12; Sept. 26, 15.90; Oct. 19, 16.16; Nov. 21, 15.97; Dec. 19, 15.99.

21-19-30cc. (C) Kathryn Maller. Irrigation water-table well in terrace deposits, depth (remeasured 1961) 114 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 27.71 below lsd, Dec. 17, 1959; lowest 36.56 below lsd, Mar. 20, 1961. Records available: 1959-61.

Jan. 16	33.48	Apr. 17	33.83	July 17	33.77	Nov. 21	32.41
Feb. 21	33.07	May 25	33.23	Aug. 17	32.01	Dec. 19	32.43
Mar. 20	36.56	June 20	32.77				

PHILLIPS COUNTY

4-16-34bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 35 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 24.44 below lsd, Oct. 20, 1960; lowest 30.50 below lsd, Mar. 12, Aug. 13, 1957. Records available: 1951-60. No measurement made in 1961.

4-19-35ab. (MB) Glenn Seeger. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 35 feet. Measuring

point, top of casing, 1.30 feet above lsd. Highest water level 7.43 below lsd, May 24, 1952; lowest 15.93 below lsd, Mar. 12, 1957. Records available: 1946-60. No measurement made in 1961.

POTTAWATOMIE COUNTY

9-11-31dcc. (C) Div. of Water Resources. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 11.84 below lsd, June 30, 1961; lowest 16.23 below lsd, Mar. 1, 1961. Records available: 1959-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.08	Apr. 3	15.65	June 30	11.84	Oct. 2	13.20
Feb. 2	16.17	May 1	15.65	July 31	13.33	31	13.22
Mar. 1	16.23	June 1	11.98	Sept. 1	14.03	Dec. 1	13.38

10-8-14cba. (C) (Replacement for 10-8-13bb). Jim Ryan. Drilled irrigation well in alluvium, diameter 18 inches, depth 68 feet. Measuring point, cutout in pump frame, 1.50 feet above lsd. Highest water level 18.41 below lsd, June 30, 1961; lowest 23.93 below lsd, Mar. 1, 1961. Records available: 1961.

Jan. 18	23.28	Apr. 3	23.56	June 30	18.41	Oct. 2	20.66
Feb. 2	23.84	May 1	23.15	July 31	20.66	31	20.79
Mar. 1	23.93	June 1	18.47	Sept. 1	21.54	Dec. 1	20.83

PRATT COUNTY

26-11-13da. (C) H. C. Jeffers. Drilled unused well in sand and gravel of Pleistocene age, diameter 8 inches, depth (remeasured 1961) 28 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: 1951-61. Jan. 19, 13.97; Apr. 19, 14.35; July 19, 14.46; Oct. 18, 14.18.

26-13-34bc. (C) George Soaken. Industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth (remeasured 1961) 75 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 41.63 below lsd, July 18, 1960; lowest 42.51 below lsd, July 19, 1961. Records available: 1959-61. Jan. 19, 41.87; Apr. 19, 41.98; July 19, 42.51; Oct. 23, 41.89.

28-11-2bc. (C) Mr. Armitstead. Drilled industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 66 feet. Measuring point, top north side pipe, 0.30 foot above lsd. Highest water level 13.81 below lsd, Dec. 18, 1961; lowest 14.90 below lsd, Apr. 20, 1961. Records available: 1961.

Jan. 18	14.77	June 19	14.50	Sept. 25	13.84	Nov. 20	13.89
Apr. 20	14.90	July 19	14.55	Oct. 18	13.86	Dec. 18	13.81
May 26	14.58	Aug. 22	14.20				

29-13-13aa. (C) E. R. Kessler. Drilled unused irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth (remeasured 1961) 119 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: 1951-61. Jan. 18, 89.30; Apr. 18, 89.25; July 19, 89.07; Oct. 23, 89.19.

RAWLINS COUNTY

1-33-29cc. (C) Joseph Parker. Drilled stock water-table well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 124 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: 1952-61. Jan. 17, 115.96; Apr. 21, 115.89; July 12, 116.66; July 25, 115.75; Oct. 18, 115.80.

3-31-7cb. (C) Ernest Carlson. Drilled stock water-table well in Ogallala Formation, depth (remeasured 1961) 163 feet. Measuring point, hole in east side of pump base, 0.25 foot above lsd. Highest water level 146.25 below lsd, Apr. 12, 1960; lowest 147.04 below lsd, July 12, 1961. Records available: 1959-61. Jan. 17, 146.60; Apr. 13, 146.34; July 12, 147.04; Oct. 18, 146.56.

3-33-3dcc. (C) George Argabright. Drilled irrigation water-table well in Ogallala Formation, diameter 18 inches, depth 68 feet. Measuring point, hole in north side pump head base, at land surface. Highest water level 20.60 below lsd, July 13, 1960; lowest 24.41 below lsd, Oct. 13, 1959. Records available: 1959-61. Jan. 17, 22.75; Apr. 13, 22.46; July 12, 22.14; Oct. 17, 23.31.

3-36-23bb. (C) C. Sramek. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 196 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 187.80 below lsd, July 12, 1961. Records available: 1952-61. Jan. 17, 184.67; Apr. 13, 184.49; July 12, 187.80; July 25, 184.56; Oct. 18, 184.65.

4-33-18dd. (C) W. B. Minney. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth (remeasured 1961) 104 feet. Measuring point, top north side of hole drilled in pump base, 1.30 feet above lsd. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 88.52 below lsd, Oct. 13, 1959, Jan. 13, 1960. Records available: 1952-61. Jan. 16, 87.83; Apr. 13, 87.88; July 12, 87.82; Oct. 17, 87.79.

RENO COUNTY

22-6-32aa. (C) Phil M. Clarke. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 12 inches, depth 22 feet. Measuring point, south edge of casing, 0.10 foot above lsd. Highest water level 3.04 below lsd, Mar. 4, 1960; lowest 10.61 below lsd, Feb. 23, 1961. Records available: 1959-61. Jan. 20, 10.60; Feb. 23, 10.61; Mar. 22, 10.31; Apr. 19, 10.20. Measurement discontinued.

22-6-33ba. (C) City of Willow Brook. Drilled irrigation water-table well in Pleistocene terrace deposits, diameter 12 inches, depth 44 feet. Measuring point, north edge of casing, 0.75 foot above lsd. Highest water level 9.14 below lsd, May 26, 1961; lowest 10.17 below lsd, Oct. 18, 1961. Records available: 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 26	9.14	July 19	10.07	Sept. 25	10.05	Nov. 20	9.94
June 19	9.24	Aug. 22	9.65	Oct. 18	10.17	Dec. 18	10.02

REPUBLIC COUNTY

1-5-7bb. (MB) U.S.G.S. Driven and bored observation water-table well in alluvium, diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 2.75 below lsd, Sept. 9, 1958; lowest 9.62 below lsd, Mar. 28, 1956. Records available: 1947-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	8.32	July 10	6.60	Sept. 7	6.90	Nov. 6	7.60
May 3	7.83	Aug. 3	7.27	Oct. 3	7.43	Dec. 22	7.32
June 6	5.64						

1-5-7cb. (MB) U.S.G.S. Bored observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.38 below lsd, July 24, 1951; lowest 23.13 below lsd, Apr. 24, 1957. Records available: 1947-61.

Feb. 7	19.90	July 10	17.75	Sept. 7	18.10	Nov. 6	18.89
May 3	20.00	Aug. 3	17.75	Oct. 3	18.52	Dec. 22	18.84
June 6	18.20						

1-5-8cb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 4.97 below lsd, Sept. 9, 1958; lowest 11.41 below lsd, Feb. 21, 1957. Records available: 1955-61.

Feb. 7	9.62	July 11	7.76	Sept. 7	9.33	Nov. 9	8.30
May 3	8.67	Aug. 3	8.62	Oct. 4	8.04	Dec. 26	8.00
June 5	5.25						

1-5-8dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.70 below lsd, May 3, 1951; lowest 8.57 below lsd, Sept. 1, 1955. Records available: 1950-61.

Feb. 7	4.95	July 11	4.30	Sept. 7	5.60	Nov. 9	3.01
May 3	2.79	Aug. 3	4.70	Oct. 4	4.06	Dec. 26	1.67
June 5	1.12						

1-5-9ba. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 38 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.70 below lsd, Apr. 21, 1960; lowest 24.22 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-61. Jan. 25, 22.00; May 17, 21.70; July 13, 22.00; Sept. 7, 23.20; Nov. 18, 22.00.

1-5-14dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ 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 12.10 below lsd, Nov. 8, 1961. Records available: 1950-56, 1958-61. Jan. 25, 6.90; May 17, 4.60; July 13, 6.10; Sept. 7, 8.40; Nov. 8, 12.10.

1-5-16dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter ¾ inch, depth 18 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.10 below lsd, May 3, 1961; lowest dry, June 16, 1955. Records available: 1950-61. May 3, 9.10; June 5, 10.33; Aug. 4, 11.88.

1-5-18aa. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 2.90 below lsd, June 5, 1961; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	5.50	July 11	5.85	Sept. 7	6.63	Nov. 9	3.43
May 3	4.79	Aug. 3	6.59	Oct. 4	3.64	Dec. 26	3.48
June 5	2.90						

1-5-18bb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 20.18 below lsd, June 6, 1961; lowest 23.30 below lsd, Mar. 28, 1956. Records available: 1955-61.

Feb. 7	22.51	July 10	21.10	Sept. 7	21.05	Nov. 6	20.57
May 3	21.27	Aug. 3	21.07	Oct. 3	20.95	Dec. 22	20.25
June 6	20.18						

1-5-18cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 42.43 below lsd, Oct. 3, 1961; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-61.

Feb. 7	45.11	July 10	44.02	Sept. 7	42.55	Nov. 6	42.80
May 3	45.42	Aug. 3	43.09	Oct. 3	42.43	Dec. 22	42.92
June 6	45.10						

1-5-18da. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 93 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 64.69 below lsd, Sept. 7, 1961; lowest 79.29 below lsd, May 6, 1958. Records available: 1955-61.

Feb. 7	66.89	July 11	65.72	Sept. 7	64.69	Nov. 9	65.06
May 3	67.35	Aug. 3	65.10	Oct. 4	64.77	Dec. 26	65.46
June 5	66.90						

1-5-19cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 65 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 18.56 below lsd, Sept. 7, 1961; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-61.

Feb. 7	25.34	July 10	23.57	Sept. 7	18.56	Nov. 6	20.49
May 3	26.32	Aug. 3	19.91	Oct. 3	19.35	Dec. 22	21.72
June 6	25.25						

1-5-19cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 25.94 below lsd, Oct. 3, 1961; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-61.

Feb. 7	28.51	July 10	28.44	Sept. 7	26.48	Nov. 6	26.52
May 3	28.88	Aug. 3	27.24	Oct. 3	25.94	Dec. 22	26.83
June 6	27.74						

1-5-21cc. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe,

2.50 feet above lsd. Highest water level 14.17 below lsd, Aug. 4, 1961; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	17.83	July 11	16.06	Sept. 7	14.50	Nov. 9	16.13
May 3	18.23	Aug. 4	14.17	Oct. 4	15.36	Dec. 26	16.65
June 5	15.20						

1-5-32cc. (MB) Fred Morlan. Dug observation water-table well in sand and gravel of Pleistocene age, diameter 96 inches, depth 27 feet. Measuring point, edge of brick casing, at land surface. Highest water level 4.48 below lsd, May 3, 1960; lowest 15.36 below lsd, Mar. 28, 1956. Records available: 1953-60. Measurement discontinued.

1-5-34bb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 3.36 below lsd, Aug. 4, 1961; lowest dry, Apr. 24, 1957. Records available: 1949-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	13.83	July 11	7.43	Sept. 8	5.72	Nov. 9	8.68
May 3	14.14	Aug. 4	3.36	Oct. 4	6.63	Dec. 27	9.58
June 5	9.87						

2-4-18cc. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 36 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.90 below lsd, July 5, 1951; lowest 18.83 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-61. Jan. 25, 16.70; May 17, 14.80; July 13, 15.10; Aug. 16, 15.00; Sept. 7, 15.60; Nov. 8, 13.20.

2-4-18dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 44 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 22.00 below lsd, Dec. 4, 1951; lowest 31.80 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59. Measurement discontinued.

2-4-31aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 17 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.38 below lsd, Mar. 19, 1952; lowest 8.67 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-61. Jan. 25, 5.20; May 17, 3.50; July 13, 3.50; Sept. 7, 6.10.

2-4-32cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.07 below lsd, Mar. 19, 1952; lowest 13.65 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-61. Jan. 25, 6.30; May 17, 4.20; July 13, 4.30; Aug. 16, 5.00; Sept. 7, 8.90; Nov. 8, 1.60.

2-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 9.85 below lsd, May 4, 1960; lowest 18.07 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 8, 14.80; May 9, 14.03; July 12, 13.43; Sept. 8, 14.26.

2-5-6bbb. (MB) U.S.B.R. Drilled well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 38.18 below lsd, Dec. 22, 1961; lowest 40.37 below lsd, Apr. 24, 1957. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 6	38.63	Aug. 3	38.45	Oct. 3	38.33	Dec. 22	38.18
July 10	38.45	Sept. 7	38.44	Nov. 6	38.29		

2-5-6dd. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 46 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 8.38 below lsd, Sept. 8, 1961; lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-61. Feb. 7, 14.32; May 9, 13.30; July 12, 9.41; Sept. 8, 8.38.

2-5-7bb. (MB) U.S.B.R. Jetted observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 8.54 below lsd, Aug. 3, 1961; lowest 26.80 below lsd, June 7, 1956. Records available: 1955-61.

Feb. 7	17.99	July 10	14.65	Sept. 7	9.94	Nov. 6	12.28
May 3	18.84	Aug. 3	8.54	Oct. 3	10.98	Dec. 22	12.94
June 6	17.52						

2-5-7dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.11 below lsd, May 4, 1960; lowest 28.21 below lsd, May 8, 1957. Records available: 1956-61. Feb. 8, 24.38; May 9, 24.74; July 12, 23.54; Sept. 8, 23.79.

2-5-9aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 10.68 below lsd, May 4, 1960; lowest 16.34 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 12.75; May 9, 12.37; July 12, 11.35. Well destroyed.

2-5-10cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.03 below lsd, May 4, 1960; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 8, 11.65; May 9, 9.20; July 12, 10.35; Sept. 8, 11.36.

2-5-10dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 28.03 below lsd, May 4, 1960; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-61. Feb. 8, 29.35; May 9, 29.45; July 12, 28.30; Sept. 8, 28.50.

2-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 21.16 below lsd, Sept. 8, 1961; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-61. Feb. 8, 24.24; May 9, 24.10; July 12, 23.30; Sept. 8, 21.16.

2-5-17aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.55 below lsd, May 4, 1960; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 8, 11.31; May 9, 10.83; July 12, 9.02; Sept. 8, 9.85.

2-5-18bb. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 6.47 below lsd, July 8, 1960; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 8, 9.53; May 9, 8.23; July 12, 6.77; Sept. 8, 6.65.

2-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.49

below lsd, July 8, 1960; lowest 18.30 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 8, 14.95; May 9, 14.64; July 12, 12.20; Sept. 8, 13.32.

2-5-19cc. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 3.58 below lsd, May 9, 1961; lowest 11.33 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 6.31; May 9, 3.58; July 10, 5.16; Sept. 14, 4.94.

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 17.72 below lsd, Feb. 10, 1960; lowest 25.65 below lsd, Sept. 20, 1956. Records available: 1956-61. Feb. 8, 20.05; May 9, 19.43; July 12, 20.09; Sept. 8, 19.72.

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 3.59 below lsd, May 6, 1960; lowest 17.14 below lsd, Nov. 8, 1956. Records available: 1956-61. Feb. 8, 9.79; May 9, 6.65; July 10, 6.28; Sept. 14, 5.03.

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 21.57 below lsd, Sept. 6, 1960; lowest 25.83 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 22.30; May 9, 22.44; July 12, 22.20; Sept. 8, 21.97.

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: 1950-61. Feb. 8, 6.84; May 9, 5.05; July 12, 4.48; Sept. 8, 5.32.

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 27.14 below lsd, Sept. 8, 1961; lowest 34.94 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 28.43; May 9, 28.39; July 12, 27.85; Sept. 8, 27.14.

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 19.32 below lsd, Sept. 14, 1961; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-61. Feb. 8, 23.32; May 9, 23.30; July 10, 22.44; Sept. 14, 19.32.

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 7.22 below lsd, May 6, 1960; lowest 19.57 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 8, 10.68; May 9, 8.87; July 12, 8.93; Sept. 8, 8.57.

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 9.44 below lsd, Sept. 14, 1961; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-61. Feb. 8, 10.80; May 9, 10.45; July 10, 10.13; Sept. 14, 9.44.

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: 1956-61. Feb. 8, 22.40; May 9, 22.30; July 10, 21.09; Sept. 14, 21.64.

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 17.00 below lsd, Sept. 14, 1961; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-61. Feb. 8, 18.26; May 9, 17.66; July 10, 17.27; Sept. 14, 17.00.

2-5-31dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 20.38 below lsd, July 12, 1956; lowest 23.70 below lsd, Feb. 8, 1961. Records available: 1956-58, 1961. Feb. 8, 23.70.

2-5-35dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 30.19 below lsd, Sept. 14, 1961; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 8, 33.25; May 9, 33.45; July 10, 32.51; Sept. 14, 30.19.

2-5-36ab. (MB) U.S.G.S. Jetted observation well in alluvium, diameter $\frac{3}{4}$ inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.10 below lsd, Aug. 6, 1951; lowest 22.30 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-61. Jan. 25, 21.00; May 17, 21.00; July 13, 20.00; Aug. 16, 20.30; Sept. 7, 19.50; Nov. 8, 18.70.

3-4-17bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 22 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.00 below lsd, July 3, 1951; lowest 11.69 below lsd, Feb. 20, 1957. Records available: 1950-61. Feb. 9, 8.00; May 10, 6.68; July 14, 6.07; Sept. 15, 2.76.

3-4-17cc. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.20 below lsd, July 3, 1951; lowest 8.99 below lsd, Sept. 22, 1955. Records available: 1950-61. May 9, 5.29; July 14, 4.85; Sept. 15, 4.12.

3-4-28ab. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 43 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 17.70 below lsd, Aug. 1, 1951; lowest 28.22 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-61. Jan. 25, 26.50; May 17, 26.80; July 13, 25.00; Sept. 7, 25.00; Nov. 8, 22.60.

3-4-29ab. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 25 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.50 below lsd, July 2, 1951; lowest 9.64 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-61. Jan. 25, 8.80; May 17, 7.30; July 13, 7.30; Sept. 7, 8.30; Nov. 8, 4.70.

3-4-30ba. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 48 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 39.60 below lsd, July 14, 1960; lowest 45.06 below lsd, July 14, 1961. Records available: 1956-61. Feb. 9, 41.84; May 10, 41.86; July 14, 45.06; Sept. 15, 39.63.

3-4-32cc. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 16 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 0.70 below lsd, June 13, 1951; lowest 8.84 below lsd, Mar. 21, 1957. Records available: 1950-61. Feb. 9, 5.10; May 10, 4.69; July 14, 4.79; Sept. 15, 4.40.

3-5-1ab. (MB) U.S.G.S. Jetted observation well in sand, diameter $\frac{3}{4}$ inch, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.80 below lsd, June 15, 1951; lowest 13.73 below lsd, Nov. 8, 1956. Records available: 1950-59, 1961. Sept. 14, 8.30.

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 12.08 below lsd, Sept. 6, 1960; lowest 20.65 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 14.13; May 9, 13.90; July 10, 12.72; Sept. 14, 12.30.

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 11.39 below lsd, May 6, 1960; lowest 18.81 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 13.22; May 9, 15.30; July 10, 14.68; Sept. 14, 14.47.

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 18.10 below lsd, Sept. 14, 1961; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-61. Feb. 8, 20.96; May 9, 18.93; July 10, 18.77; Sept. 14, 18.10.

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 9.15 below lsd, Sept. 14, 1961; lowest 25.47 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 12.37; May 9, 12.49; July 10, 11.24; Sept. 14, 9.15.

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 5.35 below lsd, Sept. 14, 1961; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 8, 9.53; May 9, 7.34; July 10, 7.37; Sept. 14, 5.35.

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 13.52 below lsd, Sept. 14, 1961; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 8, 18.48; May 9, 16.45; July 10, 15.00; Sept. 14, 13.52.

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 9.20 below lsd, Sept. 14, 1961; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-61. Feb. 8, 12.84; May 9, 10.84; July 10, 11.58; Sept. 14, 9.20.

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 1.93 below lsd, Sept. 15, 1961; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-61. Feb. 9, 9.16; May 9, 7.15; July 14, 6.90; Sept. 15, 1.93.

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 20.90 below lsd, Sept. 14, 1961; lowest 26.49 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 22.52; May 9, 21.84; July 10, 21.49; Sept. 14, 20.90.

3-5-11dd. (MB) Rex Farrell. Dug unused well, diameter 36 inches, diameter 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: 1950-61. Feb. 9, 16.90.

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 14.46 below lsd, Sept. 15, 1961; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 8, 17.66; May 9, 17.54; July 14, 15.80; Sept. 15, 14.46.

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 2.87 below lsd, Sept. 14, 1961; lowest 20.37 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 8, 10.30; May 9, 9.03; July 10, 6.45; Sept. 14, 2.87.

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 20.70 below lsd, Sept. 15, 1961; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 25.37; May 9, 24.36; July 14, 23.55; Sept. 15, 20.70.

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 5.11 below lsd, Sept. 5, 1961; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 11.93; May 9, 11.45; July 14, 7.58; Sept. 15, 5.11.

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 15.99 below lsd, Sept. 15, 1961; lowest 27.52 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 9, 19.01; May 9, 19.13; July 14, 18.17; Sept. 15, 15.99.

3-5-16bb. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.80

below lsd, Sept. 15, 1961; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 20.40; May 9, 20.00; July 14, 13.09; Sept. 15, 10.80.

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 15.05 below lsd, Sept. 15, 1961; lowest 30.16 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 9, 19.63; May 9, 18.80; July 14, 17.49; Sept. 15, 15.05.

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 0.20 above lsd, Sept. 15, 1961; lowest dry, entire year of 1957. Records available: 1949-61. Feb. 9, 4.39; May 9, 3.60; July 14, 2.90; Sept. 15, +0.20.

3-5-18cd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 34 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.46 below lsd, Sept. 15, 1961; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 11.60; May 9, 9.74; July 14, 8.67; Sept. 15, 5.46.

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 17.78 below lsd, Sept. 15, 1961; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 9, 18.60; May 9, 18.53; July 14, 17.84; Sept. 15, 17.78.

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 7.94 below lsd, Sept. 15, 1961; lowest 25.59 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 9, 17.99; May 9, 15.48; July 14, 12.96; Sept. 15, 7.94.

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 11.90 below lsd, Sept. 15, 1961; lowest dry, entire year of 1957, Feb. 9, 1959. Records available: 1956-61. Feb. 9, 19.30; May 10, 17.10; July 14, 14.25; Sept. 15, 11.90.

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 8.05 below lsd, Sept. 15, 1961; lowest 27.99 below lsd, Feb. 19, 1958. Records available: 1956-61. Feb. 9, 14.18; May 10, 13.60; July 14, 11.52; Sept. 15, 8.05.

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 0.92 above lsd, Sept. 15, 1961; lowest dry, entire year of 1957. Records available: 1949-61. Feb. 9, 4.26; May 10, 2.38; July 14, 0.64; Sept. 15, +0.92.

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 6.60 below lsd, Sept. 15, 1961; lowest dry, May 8, 1957. Records available: 1956-61. Feb. 9, 15.82; May 10, 14.40; July 14, 8.09; Sept. 15, 6.60.

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 8.94 below lsd, Sept. 18, 1961; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-61. Feb. 9, 15.49; May 10, 15.37; July 17, 11.96; Sept. 18, 8.94.

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 5.80 below lsd, Sept. 15, 1961; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-61. Feb. 9, 10.72; May 10, 9.36; July 14, 9.08; Sept. 15, 5.80.

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 4.30 below lsd, Nov. 8, 1961; lowest 20.55 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958, 1960-61. Jan. 25, 7.40; May 17, 7.40; July 13, 6.10; Sept. 7, 7.70; Nov. 8, 4.30.

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, 1958-61. Jan. 25, 12.10; May 17, 10.50; July 13, 8.90; Sept. 7, 10.50; Nov. 8, 8.40.

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. (June 8, 1960, measurement of 5.00 erroneously reported as 8.50.) Records available: 1950-56, 1958-61. May 17, 5.90; July 13, 5.20; Sept. 7, 6:30; Nov. 8, 4.60.

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 42.34 below lsd, Sept. 18, 1961; lowest 51.50 below lsd, Feb. 9, 1959. Records available: 1956-61. Feb. 9, 46.50; May 10, 46.93; July 17, 43.20; Sept. 18, 42.34.

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 7.51 below lsd, Nov. 8, 1961. Records available: 1950-56, 1958-61. Jan. 25, 7.30; May 17, 6.70; July 13, 5.50; Nov. 8, 7.51.

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, 1958-61. Jan. 25, 15.60; July 13, 13.20; Sept. 7, 14.30; Nov. 8, 12.10.

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, 1960-61. Jan. 25, 7.70; May 17, 7.10; July 13, 5.60; Sept. 7, 6.20; Nov. 8, 3.10.

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: 1949-60. No measurement made in 1961.

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 17.48 below lsd, Sept. 18, 1961; lowest 27.53 below lsd, Feb. 9, 1959. Records available: 1956-61. Feb. 9, 20.93; May 10, 19.85; July 17, 19.26; Sept. 18, 17.48.

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 14.23 below lsd, Sept. 18, 1961; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 17.63; May 10, 16.73; July 17, 15.59; Sept. 18, 14.23.

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 5.68 below lsd, Sept. 18, 1961; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-61. Feb. 9, 11.55; May 10, 10.00; July 17, 6.78; Sept. 18, 5.68.

4-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.16 below lsd, Sept. 18, 1961; lowest dry, Feb. 20, 1957. Records available: 1956-61. Feb. 9, 16.17; May 10, 17.10; July 17, 8.35; Sept. 18, 7.16.

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 7.34

below lsd, July 17, 1961; lowest 17.04 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 13.55; May 10, 13.29; July 17, 7.34; Sept. 18, 8.90.

4-5-11cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.12 below lsd, May 10, 1960; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-61. Feb. 9, 14.14; May 10, 13.72; July 17, 11.95; Sept. 18, 12.35.

4-5-15bb. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 35 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 19.83 below lsd, Feb. 13, 1960; lowest 23.88 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 24.60; May 10, 24.53; July 17, 23.15; Sept. 18, 22.59.

4-5-15cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.68 below lsd, Feb. 10, 1960; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 5.12; May 10, 1.52; July 17, 2.77; Sept. 18, 0.84.

4-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 17.54 below lsd, May 10, 1960; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 19.43; May 10, 18.54; July 14, 18.03; Sept. 18, 17.70.

4-5-17bb. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 17.88 below lsd, July 17, 1961; lowest dry, May 8, 1957. Records available: 1956-61. Feb. 9, 19.38; May 10, 19.00; July 17, 17.88; Sept. 18, 18.62.

4-5-23aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 5.03 below lsd, Sept. 18, 1961; lowest 16.20 below lsd, Mar. 21, 1957. Records available: 1956-61. Feb. 9, 9.76; May 10, 6.90; July 14, 6.72; Sept. 18, 5.03.

RICE COUNTY

19-10-20ad. (C) John Probst. Drilled industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth (remeasured 1961) 69 feet. Measuring point, top of casing, 0.10 foot above lsd. Highest water level 5.07 below lsd, May 10, 1959; lowest 10.44 below lsd, Nov. 20, 1961. Records available: 1959-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	9.43	Apr. 19	9.30	July 19	9.49	Oct. 18	10.10
Feb. 23	9.53	May 26	8.80	Aug. 22	8.42	Nov. 20	10.44
Mar. 22	9.78	June 19	8.92	Sept. 25	9.78	Dec. 18	10.43

20-9-10ba. (C) Walter H. Keesling. Industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 34 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.33 below lsd, June 24, 1959; lowest 11.41 below lsd, Nov. 20, 1959. Records available: 1959-61. Jan. 20, 10.85; Feb. 23, 10.82; Mar. 22, 10.81. Measurement discontinued.

20-9-12dda. (C) David C. Griffin. Driven domestic well in alluvium, diameter 1½ inches, depth (remeasured 1961) 32 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 10.38 below lsd, June 19, 1961; lowest 12.59 below lsd, Oct. 18, 1961. Records available: 1960-61.

Jan. 20	12.02	Apr. 19	11.87	July 19	12.08	Oct. 18	12.59
Feb. 23	12.08	May 26	11.64	Aug. 22	11.93	Nov. 20	12.29
Mar. 22	11.92	June 19	10.38	Sept. 25	12.37	Dec. 18	12.30

ROOKS COUNTY

7-16-9dd. (C) Ed V. Jones. Drilled irrigation well in alluvium, diameter 16 inches, depth (remeasured 1961) 66 feet. Measuring point, breather pipe on north side pump base, 1.30 feet above lsd. Highest water level 41.05 below lsd, Nov. 21, 1961; lowest 50.52 below lsd, Apr. 7, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	42.50	Apr. 10	42.44	July 10	42.34	Oct. 5	41.59
Feb. 15	42.47	May 18	42.62	Aug. 17	42.11	Nov. 21	41.05
Mar. 14	42.44	June 14	42.36	Sept. 15	41.85	Dec. 18	41.34

7-17-13cbb. (C) Roy Ballard. Drilled water-table observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 39.35 below lsd, Nov. 21, 1961; lowest 43.70 below lsd, May 18, 1961. Records available: 1960-61.

Jan. 18	42.93	Apr. 10	43.37	July 10	40.37	Oct. 5	40.18
Feb. 15	43.09	May 18	43.70	Aug. 17	40.16	Nov. 21	39.35
Mar. 14	43.30	June 14	42.27	Sept. 15	40.18	Dec. 18	40.44

7-17-13cbc. (C) Roy Ballard. Drilled water-table observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 47 feet. Measuring point, top of pipe, 4.30 feet above lsd. Highest water level 20.73 below lsd, July 10, 1961; lowest 22.84 below lsd, May 18, 1961. Records available: 1960-61.

Jan. 18	22.69	Apr. 24	22.82	July 10	20.73	Oct. 5	21.07
Feb. 15	22.77	May 18	22.84	Aug. 17	20.90	Nov. 28	21.20
Mar. 14	22.78	June 14	21.15	Sept. 15	21.04	Dec. 18	21.26

7-17-23da. (C) Mr. Watts. Drilled abandoned stock well in alluvium, diameter 8 inches, depth (remeasured 1961) 15 feet. Measuring point, top south side well casing, 0.80 foot below lsd. Highest water level 4.31 below lsd, Sept. 15, 1961; lowest 13.92 below lsd, Oct. 6, 1959. Records available: 1958-61.

Jan. 18	13.40	Apr. 10	13.27	July 10	8.27	Oct. 5	7.13
Feb. 15	13.35	May 18	12.70	Aug. 17	9.30	Nov. 27	9.51
Mar. 14	13.37	June 14	8.05	Sept. 15	4.31	Dec. 18	9.75

7-17-24bbb. (C) Roy Ballard. Drilled stock well in alluvium, diameter 10 inches, depth (remeasured 1961) 31 feet. Measuring point, top NW side casing, 0.80 foot above lsd. Highest water level 10.15 below lsd, June 14, 1961; lowest 15.39 below lsd, Sept. 14, 1959. Records available: 1958-61.

Jan. 18	14.56	Apr. 10	14.27	July 10	11.23	Oct. 5	12.97
Feb. 15	15.08	May 18	13.92	Aug. 17	12.39	Nov. 21	13.50
Mar. 14	14.53	June 14	10.15	Sept. 15	12.42	Dec. 18	13.42

7-17-24bbc. (C) Roy Ballard. Drilled water-table observation well in alluvium, diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 7.66 below lsd, June 14, 1961; lowest 11.44 below lsd, Oct. 10, 1960. Records available: 1960-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	11.36	Apr. 10	10.63	July 10	8.47	Oct. 5	10.53
Feb. 15	11.31	May 18	10.64	Aug. 17	9.21	Nov. 27	10.80
Mar. 14	11.27	June 14	7.66	Sept. 15	9.56	Dec. 18	10.65

7-17-24bcc. (C) Roy Ballard. Drilled water-table observation well in alluvium, diameter 1¼ inches, depth (remeasured 1961) 22 feet. Measuring point, top of pipe, at land surface. Highest water level 5.09 below lsd, July 10, 1961; lowest 9.06 below lsd, Oct. 10, 1960. Records available: 1960-61.

Jan. 14	9.05	Apr. 10	8.26	July 10	5.09	Oct. 5	8.05
Feb. 15	8.96	May 18	8.35	Aug. 17	6.78	Nov. 27	8.41
Mar. 14	9.00	June 14	5.27	Sept. 15	7.03		

7-18-24ac. (C) Reid Baxter. Drilled domestic well in alluvium, diameter 6 inches, depth 30 feet. Measuring point, top east side casing, 0.50 foot above lsd. Highest water level 21.84 below lsd, July 10, 1961; lowest 25.23 below lsd, Dec. 23, 1959. Records available: 1958-61.

Jan. 18	23.37	Apr. 10	22.93	July 10	21.84	Oct. 5	23.13
Feb. 15	23.17	May 18	22.75	Aug. 17	22.62	Nov. 21	22.76
Mar. 14	23.08	June 14	22.03	Sept. 15	23.02	Dec. 18	22.51

7-18-24db. (C) Leon Hamilton. Drilled water-table observation well in alluvium, diameter 1¼ inches, depth (remeasured 1961) 20 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 17.43 below lsd, Aug. 11, 1960; lowest 19.00 below lsd, Feb. 15, 1961. Records available: 1960-61.

Jan. 18	18.84	Apr. 10	18.41	July 10	17.69	Oct. 5	18.01
Feb. 15	19.00	May 18	18.50	Aug. 17	17.89	Nov. 21	18.10
Mar. 14	18.85	June 14	17.85	Sept. 15	17.78	Dec. 18	18.36

7-18-24dc. (C) Dale Shelton. Drilled water-table observation well in alluvium, diameter 1¼ inches, depth 24 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 8.74 below lsd, June 14, 1961; lowest 11.72 below lsd, Nov. 17, 1960. Records available: 1960-61.

Jan. 18	11.50	Apr. 10	11.23	July 10	8.80	Oct. 5	10.33
Feb. 15	11.40	May 18	10.86	Aug. 17	9.75	Nov. 21	10.54
Mar. 14	11.36	June 14	8.74	Sept. 15	10.15	Dec. 18	10.38

7-18-25ac. (C) Omer Henderson. Drilled stock well in alluvium, diameter 6 inches, depth (remeasured 1961) 31 feet. Measuring point, top of casing, 3.63 below lsd since May 1961. Highest water level 19.81 below lsd, June 14, 1961; lowest 23.01 below lsd, Sept. 14, 1959. Records available: 1958-61.

Jan. 18	22.09	May 18	21.30	Aug. 17	20.25	Nov. 27	21.18
Mar. 14	21.74	June 14	19.81	Sept. 15	20.97	Dec. 18	21.18
Apr. 10	20.95	July 10	20.06	Oct. 5	21.46		

7-18-25ba. (C) C. E. Hughes. Drilled irrigation well in alluvium, diameter 16 inches, depth 57 feet. Measuring point, lower lip of measuring tube, 1.50 feet above lsd. Highest water level 10.27 below lsd, Apr. 11, 1958; lowest 14.18 below lsd, Sept. 14, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	12.90	Apr. 10	12.61	July 10	10.90	Nov. 27	12.25
Feb. 15	12.82	May 18	12.27	Oct. 5	12.09	Dec. 18	12.17
Mar. 14	12.03	June 14	10.45				

7-19-23cd. (C) Zack McEwen. Dug stock well, diameter 36 inches, depth (re-measured 1961) 23 feet. Measuring point, south side of pump base, 0.30 foot above lsd. Highest water level 13.16 below lsd, June 15, 1960; lowest 17.90 below lsd, Nov. 17, 1960. Records available: 1958-61.

Jan. 19	15.84	May 18	14.02	July 10	14.77	Oct. 5	15.85*
Mar. 14	14.69	June 14	13.75	Aug. 17	15.74	Nov. 27	14.77
Apr. 10	14.41						

* pumping.

RUSH COUNTY

18-17-14bbc. (C) Lester Dirks. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 64 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 16.87 below lsd, Sept. 26, 1961; lowest 25.43 below lsd, Sept. 7, 1960. Records available: 1960-61.

Jan. 16	22.36	Apr. 17	22.58	July 17	22.77	Oct. 19	17.28
Feb. 21	22.52	May 23	22.42	Aug. 17	21.58	Nov. 21	17.55
Mar. 20	22.56	June 20	21.76	Sept. 26	16.87	Dec. 20	17.73

18-17-14bcc. (C) Lester Dirks. Drilled irrigation well in alluvium of Pleistocene age, diameter 16 inches, depth 71 feet. Measuring point, hole in north side pump base, 0.42 foot above lsd. Highest water level 17.90 below lsd, July 5, 1960; lowest 25.94 below lsd, Sept. 7, 1960. Records available: 1960-61. Jan. 16, 21.80; Feb. 21, 21.75; Mar. 20, 21.76.

18-17-14ccc. (C) Jerry F. Oborny. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 64 feet. Measuring point, top of pipe, 3.86 feet above lsd. Highest water level 15.75 below lsd, June 20, 1960; lowest 22.39 below lsd, Sept. 13, 1960. Records available: 1960-61.

Jan. 16	20.10	Apr. 17	20.07	July 17	20.59	Oct. 19	16.49
Feb. 21	20.03	May 23	19.87	Aug. 17	19.72	Nov. 21	16.49
Mar. 20	20.04	June 20	19.34	Sept. 26	16.21	Dec. 20	16.53

18-17-14cdc. (C) J. F. Oborny. Drilled irrigation well in alluvium of Pleistocene age, depth (remeasured 1961) 70 feet. Measuring point, hole in southeast side pump base, 0.70 foot above lsd. Highest water level 15.78 below lsd, June 27, 1960; lowest 22.80 below lsd, Sept. 13, 1960. Records available: 1960-61. Jan. 16, 20.03; Feb. 21, 19.99; Mar. 20, 20.01.

18-17-15daa. (C) Louis E. Oborny. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 60 feet. Measuring

point, top of pipe, 3.35 feet above lsd. Highest water level 16.66 below lsd, June 20, 1960; lowest 26.25 below lsd, Aug. 22, 1960. Records available: 1960-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	21.69	Apr. 17	21.73	July 17	22.50	Oct. 19	17.46
Feb. 21	21.73	May 23	21.60	Aug. 17	21.43	Nov. 21	17.58
Mar. 20	21.70	June 20	20.98	Sept. 26	17.29	Dec. 20	17.63

18-17-22aad. (C) W. Smercka. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 51 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 16.31 below lsd, June 20, 1960; lowest 22.54 below lsd, Sept. 13, 1960. Records available: 1960-61.

Jan. 16	20.85	Apr. 17	20.83	July 17	21.20	Oct. 19	17.82
Feb. 21	20.80	May 23	20.55	Aug. 17	19.99	Nov. 21	17.71
Mar. 20	20.81	June 20	20.15	Sept. 26	17.55	Dec. 20	17.74

18-17-22dad. (C) Mrs. Holopirek. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 57 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 22.43 below lsd, June 20, 1960; lowest 26.56 below lsd, July 17, 1961. Records available: 1960-61.

Jan. 16	25.52	Apr. 17	25.50	July 17	26.56	Oct. 19	23.30
Feb. 21	25.48	May 23	25.40	Aug. 17	26.46	Nov. 21	22.91
Mar. 20	25.44	June 20	25.13	Sept. 26	23.30	Dec. 20	22.79

18-17-23bcc. (erroneously reported previously as 18-17-22bcc) (C) Mrs. Fiala. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 56 feet. Measuring point, top of pipe, 3.55 feet above lsd. Highest water level 16.15 below lsd, June 20, 1960; lowest 20.94 below lsd, Sept. 20, 1960. Records available: 1960-61.

Jan. 16	19.79	Apr. 17	19.89	July 17	20.27	Oct. 19	17.25
Feb. 21	19.86	May 23	19.71	Aug. 17	19.77	Nov. 21	16.99
Mar. 20	19.86	June 20	19.25	Sept. 26	17.18	Dec. 20	16.94

18-18-23ad. (C) Mrs. Ercell Solomon. Dug unused stock well in alluvium, diameter 43 inches, depth (remeasured 1961) 45 feet. Measuring point, bottom of pump base, 1.80 feet above lsd. Highest water level 17.42 below lsd, Apr. 18, 1960; lowest 31.76 below lsd, Apr. 10, 1957. Records available: 1957-61.

Jan. 16	21.48	Apr. 17	21.58	July 17	20.82	Oct. 19	19.62
Feb. 21	21.50	May 23	21.14	Aug. 17	21.98	Nov. 21	19.66
Mar. 20	21.56	June 20	20.37	Sept. 27	19.59	Dec. 20	19.46

18-20-14ccc. (C) John Georg. Augered observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth (remeasured 1961) 48 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 19.97 below lsd, Nov. 7, 1960; lowest 21.74 below lsd, Aug. 17, 1961. Records available: 1960-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	21.13	Apr. 17	21.38	July 17	21.50	Oct. 19	20.75
Feb. 21	21.12	May 23	21.34	Aug. 17	21.74	Nov. 21	20.76
Mar. 20	21.32	June 20	21.29	Sept. 27	20.78	Dec. 20	20.83

18-20-23cd. (C) Owner unknown. Unused water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth (remeasured 1961) 49 feet. Measuring point, top north side of casing, 0.50 foot above lsd. Highest water level 31.55 below lsd, Apr. 18, 1960; lowest 35.94 below lsd, Jan. 22, 1957. Records available: 1954-61.

Jan. 16	34.06	Apr. 17	34.23	July 17	34.16	Nov. 21	33.34
Feb. 21	34.18	May 23	34.01	Aug. 17	34.17	Dec. 20	33.55
Mar. 20	34.22	June 20	33.82	Oct. 19	32.99		

RUSSELL COUNTY

45. (C) Dick Gossett. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 15 S., R. 14 W. Dug stock water-table well in alluvium, diameter 28 to 32 inches, depth 27 feet, cribbed with rock. Measuring point, top east edge of rock casing, 1.50 feet below lsd. Highest water level 17.01 below lsd, Apr. 14, 1960; lowest 24.28 below lsd, Aug. 20, 1941. Records available: 1941-60. Measurement discontinued.

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: 1941-61. Mar. 16, 4.90; May 9, 4.50; June 27, 4.55; Sept. 19, 4.40.

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: 1941-61. Mar. 16, 118.40; May 9, 119.20; June 27, 118.26; Sept. 19, 118.90.

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: 1941-61. Apr. 15, 6.76; May 9, 5.80; June 27, 6.45; Sept. 19, 6.00.

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 11.64 below lsd, June 27, 1961; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-61. Mar. 16, 12.90; May 9, 12.08; June 27, 11.64; Sept. 19, 11.87.

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 3.04 below lsd, Apr. 14, 1960; lowest 7.93 below lsd, July 25, 1956. Records available: 1941-61. Mar. 16, 5.60; May 9, 4.20; June 27, 4.22; Sept. 19, 4.94.

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 15.83 below lsd, Aug. 3, 1960; lowest 21.54 below lsd, June 29, 1943. Records available: 1941-61. Mar. 16, 17.00; May 9, 17.00; June 27, 16.52; Sept. 19, 16.39.

SALINE COUNTY

14-2-19dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 4.11 below lsd, Aug. 17, 1951; lowest 22.08 below lsd, May 8, 1957. Records available: 1951-53, 1955-61. Mar. 17, 18.68; May 11, 18.59; June 28, 18.60; Aug. 24, 18.22; Sept. 20, 17.65.

14-2-30cd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 28 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, 1955-61. Mar. 17, 13.77; May 11, 13.41; June 28, 12.38; Aug. 24, 12.97; Sept. 20, 12.50; Dec. 27, 12.74.

15-2-17cd. (MB) 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: 1946-61. Mar. 17, 23.10; May 11, 22.90; June 28, 21.14; Aug. 24, 21.55; Sept. 20, 21.30; Dec. 27, 22.12.

15-2-18cd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 44 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: 1946-61. Mar. 17, 24.07; May 11, 23.42; June 28, 20.34; Aug. 24, 21.19; Sept. 20, 21.01; Dec. 27, 22.80.

15-2-30dc. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 35 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, 1955-61. Mar. 17, 21.47; May 11, 21.22; June 28, 20.03; Aug. 24, 19.85; Sept. 20, 20.01; Dec. 27, 21.00.

15-2-31ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 25 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, 1955-61. Mar. 17, 16.66; May 11, 16.80; June 28, 16.70; Aug. 24, 16.97; Sept. 20, 16.34; Dec. 27, 16.62.

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, 1955-61. Mar. 17, 21.00; May 11, 21.57; June 27, 21.00; Aug. 24, 21.63; Sept. 20, 21.02; Dec. 27, 20.98.

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, 1955-61. Mar. 17, 22.75; May 11, 22.72; June 28, 21.17; Aug. 24, 21.23; Sept. 20, 20.77; Dec. 27, 21.50.

15-3-24dd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 34 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, 1955-61. Mar. 17, 19.89; May 11, 20.87; June 28, 20.15; Aug. 24, 20.53; Sept. 20, 20.47; Dec. 27, 20.60.

15-3-36ab. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 46 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, 1955-61. Mar. 17, 27.07; May 11, 27.05; June 28, 26.84; Aug. 24, 27.16; Sept. 20, 27.20; Dec. 27, 27.15.

16-2-7bb. (MB) 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, 1955-61. Mar. 17, 19.88; May 11, 19.80; June 28, 19.10; Aug. 24, 19.15; Sept. 20, 19.06. Well destroyed.

16-2-8ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 27 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, 1955-61. Mar. 17, 24.06; May 11, 23.97; June 28, 24.00; Aug. 24, 24.00; Sept. 20, 23.90; Dec. 27, 23.77.

16-2-18cc. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ 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, 1955-61. Mar. 17, 25.41; May 11, 23.23; June 28, 20.33; Aug. 24, 21.15; Sept. 20, 20.35; Dec. 27, 23.88.

16-3-12bcb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 28 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 5.57 below lsd, Mar. 28, 1960; lowest 23.10 below lsd, Nov. 21, 1950. Records available: 1950-53, 1955-61. Mar. 17, 13.47; May 11, 12.42; June 28, 12.95; Aug. 24, 13.93; Sept. 20, 14.26; Dec. 27, 14.68.

16-3-13aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth (remeasured 1961) 28 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, 1955-61. Mar. 17, 21.75; May 11, 21.62; June 28, 21.65; Aug. 24, 21.64; Sept. 20, 21.49; Dec. 27, 21.63.

16-3-13cd. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth (remeasured 1961) 45 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, 1955-61. Mar. 17, 21.67; May 11, 22.44; June 28, 21.33; Aug. 24, 20.60; Sept. 20, 20.76; Dec. 27, 21.59.

16-3-26ded. (MB) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter $1\frac{1}{4}$ 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: 1946-61. Mar. 17, 19.66; May 11, 19.10; June 28, 17.59; Aug. 24, 18.00; Sept. 20, 18.08; Dec. 27, 18.90.

16-3-33ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 40 feet. Measuring point, top of pipe, 3.50 feet

above lsd. Highest water level 8.77 below lsd, Oct. 1, 1951; lowest 21.28 below lsd, Sept. 7, 1956. Records available: 1951-53, 1955-61. Mar. 17, 14.85; May 11, 14.67; June 28, 14.55; Aug. 24, 15.63; Sept. 20, 15.64; Dec. 27, 15.77.

SCOTT COUNTY

1. (C) Mrs. Rosine Smith. NW cor. 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. Highest water level 55.89 below lsd, May 14, 1934; lowest dry, Mar. 22, Nov. 19, Dec. 17, 1956. Records available: 1931-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	80.05	82.70	.....	81.17	80.61	80.36	82.88	83.28	81.50	81.19	80.99
10	80.38	80.00	82.05	82.92	81.02	80.57	80.32	83.24	82.59	81.41	81.11	80.99
15	80.19	80.59	81.45	82.52	80.94	80.52	80.31	82.72	82.18	81.38	81.09	80.98
20	80.22	81.00	81.66	81.95	80.85	80.47	81.28	82.46	81.92	81.33	81.05	80.96
25	80.16	81.93	82.40	81.60	80.78	80.42	82.21	82.03	81.65	81.27	81.03	80.92
30	80.11	.....	82.61	81.37	80.70	80.40	82.75	82.34	81.62	81.20	81.01	80.90
EOM	80.09	82.30	82.73	.....	80.70	.....	82.70	82.58	.....	81.20	.....	80.91

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: 1944-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	34.55	36.98	37.92	38.40	38.40	39.30	39.50	41.39	41.26	40.93	41.27	40.94
10	34.83	37.18	38.15	38.32	38.52	39.42	39.92	41.76	41.15	40.87	41.13	40.96
15	35.18	37.40	38.25	38.42	38.69	39.41	40.29	41.86	41.13	40.92	41.08	40.93
20	35.59	37.40	38.30	38.31	38.84	39.38	40.71	41.70	41.02	40.96	41.08	40.86
25	36.09	37.53	38.26	38.39	39.26	39.40	40.86	41.49	41.06	41.30	41.03	40.82
30	36.56	.....	38.32	38.33	39.33	39.48	41.06	41.34	41.02	41.29	40.99	40.80
EOM	36.65	37.68	38.34	.....	39.32	.....	41.10	41.30	.....	41.23	.....	40.86

19. (C) Mr. Fouquet. SE¼ NE¼ sec. 12, T. 18 S., R. 33 W. Drilled irrigation water-table well in Ogallala Formation, diameter 12 inches, depth 88 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 73.70 below lsd, Sept. 9, 1960. Records available: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	60.75	Apr. 10	60.17	July 5	69.90	Oct. 2	62.64
Feb. 15	60.03	May 10	63.60	Aug. 2	72.30	Nov. 10	61.55
Mar. 13	59.79	June 7	65.56	Sept. 5	68.85	Dec. 5	61.15

50. (C) F. M. Houston. SW¼ SW¼ SE¼ sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 129 feet. Measuring point, top of concrete platform, 1.50 feet above lsd. Highest water level 83.02 below lsd, Jan. 23, 1959; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	84.82	Apr. 10	84.65	July 5	84.66	Oct. 2	84.95
Feb. 15	84.80	May 10	84.78	Aug. 2	85.03	Nov. 10	84.82
Mar. 13	84.68	June 7	84.90	Sept. 5	84.70	Dec. 18	84.40

207. (C) Samuel Bontrager. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 19 S., R. 33 W. Irrigation well in Ogallala Formation, diameter 24 inches, depth 111 feet. Measuring point, top of pump frame, 1.70 feet above lsd. Highest water level 78.01 below lsd, Sept. 6, 1940; lowest 101.04 below lsd, May 10, 1961. Records available: 1940, 1958-61.

Jan. 3	95.07	Mar. 13	93.50	June 7	95.70	Oct. 2	98.04
Feb. 1	94.33	Apr. 10	95.40	July 5	94.75	Nov. 10	96.14
15	94.07	May 10	101.04	Sept. 5	99.62	Dec. 5	95.46

256. (C) James E. Ely. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 20 S., R. 33 W. Irrigation well in Ogallala Formation, diameter 16 inches, depth 147 feet. Measuring point, hole in east side pump base, 1.90 feet above lsd. Highest water level 33.33 below lsd, June 15, 1944; lowest 56.10 below lsd, Sept. 9, 1960. Records available: 1944, 1958-61.

Jan. 3	51.10	Feb. 15	50.50	June 20	53.50	Nov. 10	53.69
Feb. 1	50.66	May 10	54.90	Oct. 2	55.68	Dec. 5	52.98

16-33-19cb. (C) Roy Fairleigh. Drilled irrigation well in Ogallala Formation, diameter 18 inches, depth 132 feet. Measuring point, hole in north side of pump base, 0.75 foot above lsd. Highest water level 129.78 below lsd, Dec. 12, 1960; lowest 134.55 below lsd, June 12, 1961. Records available: 1959-61. June 12, 134.55; Sept. 13, 133.65; Dec. 6, 132.74.

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: 1937-61.

Jan. 25	16.60	Apr. 25	16.40	July 25	15.36	Oct. 25	15.08
Feb. 24	16.67	May 26	15.29	Aug. 25	15.36	Nov. 24	14.49
Mar. 27	16.71	June 26	15.21	Sept. 26	15.33	Dec. 26	14.67

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,

Jan. 6	13.69	Apr. 7	13.38	July 7	13.80	Oct. 20	13.37
13	13.67	14	13.09	21	8.35	27	13.49
20	13.73	24	13.38	28	12.43	Nov. 3	13.14
27	14.03	28	13.47	Aug. 11	13.14	9	13.07
Feb. 3	13.83	May 5	12.70	25	11.97	17	13.02
10	13.81	12	11.32	Sept. 1	12.54	24	12.88
17	13.62	19	12.49	8	12.97	Dec. 1	12.94
27	13.64	26	12.97	15	12.24	8	13.03
Mar. 3	13.61	June 2	13.44	22	11.92	15	12.99
17	13.61	9	13.12	29	12.69	22	13.25
24	13.48	23	12.62	Oct. 6	13.11	29	13.26
31	13.31	30	13.14	13	13.08		

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: 1937-61.

114. (C) City of Wichita. NE cor. sec. 7, T. 25 S., R. 2 W. Drilled 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 3.35 below lsd, Oct. 2, 1958; lowest 9.66 below lsd, Mar. 1, 1957. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.08	Apr. 28	6.20	July 31	3.39	Oct. 30	5.36
Feb. 1	6.16	June 1	4.50	Sept. 1	4.94	Nov. 30	4.98
Mar. 1	6.25	July 1	4.67	29	4.88	Dec. 29	5.33
30	6.00						

115. (C) City of Wichita. NW cor. sec. 22, T. 25 S., R. 2 W. Drilled 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 3.22 below lsd, July 1, 1957; lowest 8.83 below lsd, Nov. 1, 1956. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.00	Apr. 28	5.09	July 31	4.00	Oct. 30	5.06
Feb. 1	5.47	June 1	4.61	Sept. 1	4.96	Nov. 30	4.08
Mar. 1	4.63	July 1	4.77	29	4.52	Dec. 29	4.34
30	4.54						

117. (C) City of Wichita. SW cor. sec. 20, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.87 below lsd, Nov. 30, 1961; lowest 14.79 below lsd, Apr. 1, 1957. Records available: 1954-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.58	Apr. 28	11.28	July 31	10.00	Oct. 30	10.16
Feb. 1	11.72	June 1	10.28	Sept. 1	10.30	Nov. 30	9.87
Mar. 1	11.65	July 1	10.19	29	10.53	Dec. 29	10.05
30	11.52						

124. (C) City of Wichita. SE¼ SE¼ sec. 5, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, depth 70 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.19 below lsd, July 1, 1957; lowest 20.73 below lsd, Mar. 1, 1957. Records available: 1955-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	16.97	Apr. 28	17.06	Aug. 1	15.70	Oct. 30	15.89
Feb. 1	17.19	June 1	15.86	Sept. 1	15.92	Nov. 30	15.64
Mar. 1	17.12	July 1	16.09	29	15.71	Dec. 29	15.91
30	17.05						

125. (C) City of Wichita. SW cor. sec. 10, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 5.86 below lsd, June 27, 1957; lowest 15.69 below lsd, Apr. 1, 1959. Records available: 1956-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.00	Apr. 28	12.00	July 31	10.34	Oct. 30	11.06
Feb. 1	12.39	June 1	10.46	Sept. 1	11.12	Nov. 30	10.70
Mar. 1	12.21	July 1	10.88	29	10.74	Dec. 29	11.10
30	12.04						

126. (C) City of Wichita. NW $\frac{1}{4}$ cor. sec. 22, T. 25 W., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, at land surface. Highest water level 8.78 below lsd, Aug. 1, 1958; lowest 15.84 below lsd, Jan. 31, 1957. Records available: 1955-61.

Jan. 1	11.95	Apr. 28	11.78	July 31	10.57	Oct. 30	10.89
Feb. 1	12.25	June 1	10.67	Sept. 1	11.05	Nov. 30	10.60
Mar. 1	11.89	July 1	11.04	29	11.07	Dec. 29	11.11
30	11.48						

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, 2.80 feet above lsd. Highest water level 9.08 below lsd, May 12, 13, 20, 1945; lowest 34.45 below lsd, May 1, 1957. Records available: 1937-54, 1956-61.

Jan. 1	22.20	Apr. 28	22.97	July 31	20.14	Oct. 30	18.48
Feb. 1	21.93	June 1	21.16	Sept. 1	19.20	Nov. 30	18.78
Mar. 1	22.10	July 1	21.08	29	18.72	Dec. 29	18.09
30	22.21						

804. (C) City of Wichita. SE cor. sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in alluvium, diameter $\frac{1}{4}$ 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: 1938-61.

Jan. 1	2.98	Apr. 28	2.96	July 1	2.64	Sept. 29	1.83
19	3.14	May 2	2.70	20	2.76	Oct. 18	2.09
Feb. 1	3.43	15	1.60	31	1.89	30	1.10
22	2.75	26	2.14	Aug. 7	2.56	Nov. 20	1.58
Mar. 1	3.08	June 1	2.34	22	1.73	30	1.95
21	2.90	5	1.94	Sept. 1	2.55	Dec. 18	2.24
30	2.62	19	2.10	25	1.37	29	2.46
Apr. 20	2.64	30	2.77				

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 $\frac{1}{4}$ inches, depth 41 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level

Jan. 1	3.39	Apr. 28	3.37	July 1	3.31	Sept. 29	2.80
19	3.54	May 2	3.09	20	3.12	Oct. 18	2.78
Feb. 1	3.71	15	2.54	31	2.47	30	2.21
22	3.05	26	2.94	Aug. 7	3.12	Nov. 20	3.27
Mar. 1	3.33	June 1	3.09	22	3.06	30	2.46
21	2.59	5	2.94	Sept. 1	3.46	Dec. 18	2.69
30	2.73	19	2.90	25	2.62	29	2.82
Apr. 20	2.95	30	3.44				

1.57 below lsd, May 2, 1945; lowest 8.66 below lsd, Jan. 3, 1956. Records available: 1938-61.

807. (C) City of Wichita. NW¼ NW¼ sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.79	Apr. 28	21.78	July 1	21.48	Sept. 29	21.82
	19 21.81	May 2	21.55	-	20 21.68	Oct. 18	21.82
Feb. 1	21.90		15 21.23		31 21.51	30	21.80
	22 21.64		26 21.18	Aug. 7	21.60	Nov. 20	21.57
Mar. 1	21.89	June 1	21.33	22	21.63	30	21.31
	21 21.44		5 21.27	Sept. 1	21.82	Dec. 18	21.34
	30 21.76		19 21.45	25	21.80	29	21.46
Apr. 20	21.48		30 21.60				

808. (C) City of Wichita. SW¼ NW¼ sec. 18, T. 26 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest 24.32 below lsd, Oct. 20, 1960. Records available: 1938-53, 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	22.22	Apr. 28	22.17	July 1	21.90	Sept. 29	21.89
	19 22.18	May 2	22.01	20	21.99	Oct. 18	21.10
Feb. 1	22.22		15 21.90	31	21.83	30	21.81
	22 22.03		26 21.84	Aug. 7	21.96	Nov. 20	21.76
Mar. 1	22.22	June 1	21.93	22	21.89	30	21.64
	21 22.06		5 21.77	Sept. 1	21.92	Dec. 18	21.64
	30 22.13		19 21.88	25	21.96	29	21.62
Apr. 20	22.01		30 21.96				

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 1¼ 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: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.46	Apr. 28	11.41	July 31	10.45	Oct. 30	9.97
Feb. 1	11.93	June 1	10.59	Sept. 1	10.66	Nov. 30	9.66
Mar. 1	12.11		30 11.05	29	10.17	Dec. 29	10.33
	30 11.49						

810. (C) City of Wichita. NE cor. SE¼ sec. 35, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.30 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: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.98	Apr. 28	12.96	July 31	11.67	Oct. 30	11.73
Feb. 1	13.19	June 1	11.48	Sept. 1	11.73	Nov. 30	11.06
Mar. 1	13.25	July 1	12.30	29	11.62	Dec. 29	12.25
	27 13.19						

812. (C) City of Wichita. NW cor. sec. 27, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.30 below lsd, Aug. 31, 1949; lowest 18.91 below lsd, Feb. 10, 1947. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.63	Apr. 28	11.40	July 31	10.43	Oct. 30	10.44
Feb. 1	11.96	June 1	10.42	Sept. 1	10.55	Nov. 30	10.10
Mar. 1	11.67	July 1	10.55	29	10.81	Dec. 29	10.50
30	11.40						

814. (C) City of Wichita. SE cor. sec. 14, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.79 below lsd, June 1, 1961; lowest 19.00 below lsd, Apr. 1, 1957. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	13.32	Apr. 28	13.54	July 31	9.83	Oct. 30	10.06
Feb. 1	13.42	June 1	5.79	Sept. 1	10.12	Nov. 30	9.72
Mar. 1	13.47	July 1	8.72	29	10.27	Dec. 29	9.73
27	13.51						

815. (C) City of Wichita. NE cor. sec. 17, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 7.65 below lsd, May 11, 1945; lowest 19.69 below lsd, Apr. 1, 1957. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.96	Apr. 28	16.10	July 31	14.37	Oct. 30	14.44
Feb. 1	16.22	June 1	14.89	Sept. 1	14.30	Nov. 30	14.30
Mar. 1	16.25	July 1	13.70	29	14.38	Dec. 29	14.36
30	16.35						

816. (C) City of Wichita. SW cor. sec. 7, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.32 below lsd, Oct. 8, 1945; lowest 25.32 below lsd, May 1, 1957. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.80	Apr. 28	19.83	July 31	18.20	Oct. 30	17.03
Feb. 1	19.80	June 1	19.28	Sept. 1	17.33	Nov. 30	17.09
Mar. 1	19.82	July 1	18.76	29	17.05	Dec. 29	16.80
30	19.89						

825. (C) City of Wichita. NE cor. sec. 3, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	8.92	Mar. 30	7.65	July 1	6.38	Sept. 29	5.72
Feb. 1	9.23	Apr. 28	7.80	31	5.94	Oct. 30	6.66
Mar. 1	8.64	June 1	6.63	Sept. 1	6.42	Nov. 30	6.15

826. (C) City of Wichita. NE cor. sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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, 1955-61.

Jan. 1	10.64	Apr. 28	10.93	July 31	8.16	Oct. 30	9.68
Feb. 1	11.12	June 1	8.38	Sept. 1	9.35	Nov. 30	9.16
Mar. 1	11.00	July 1	9.22	29	9.31	Dec. 29	9.87
	30						
	11.03						

830. (C) City of Wichita. SW cor. sec. 30, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1938-61.

Jan. 1	24.55	May 2	24.54	July 1	24.45	Sept. 29	24.18
19	24.68	15	23.98	20	24.80	Oct. 18	24.25
Feb. 1	24.67	26	24.06	31	23.64	30	24.24
22	24.48	June 1	24.08	Aug. 7	24.00	Nov. 20	23.77
Mar. 1	24.63	5	24.09	22	23.99	30	23.70
30	24.48	19	24.15	Sept. 1	24.32	Dec. 18	23.73
Apr. 20	24.42	30	24.52	25	24.20	29	23.84
28	24.67						

834. (C) City of Wichita. SW cor. sec. 9, T. 25 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1938-61.

Jan. 1	9.50	Apr. 28	7.52	July 31	7.49	Oct. 30	8.53
Feb. 1	9.60	June 1	8.85	Sept. 1	8.59	Nov. 30	8.13
Mar. 1	9.63	July 1	9.29	29	8.09	Dec. 29	8.45
	30						
	7.40						

838. (C) City of Wichita. NE¼ NW¼ sec. 33, T. 25 S., R. 3 W. Driven observation water-table well in sand, diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 16.69 below lsd, Jan. 1, 1961; lowest dry entire year of 1955. Records available: 1938-53, 1955, 1958-61.

Jan. 1	16.69	Mar. 30	24.19	July 1	23.85	Oct. 30	22.75
Feb. 1	24.10	Apr. 28	24.35	31	22.54	Nov. 30	22.41
Mar. 1	24.28	June 1	23.49	Sept. 1	23.05	Dec. 29	21.66

840a (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, depth 26 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 7.90 below lsd, Aug. 4, 1952; lowest 15.53 below lsd, Apr. 1, 1955. 1960 measurements should be corrected by addition of 0.80 foot. Records available: 1952-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.97	Apr. 28	12.03	July 31	8.10	Oct. 30	9.63
Feb. 1	12.13	June 1	10.50	Sept. 1	9.02	Nov. 30	9.52
Mar. 1	12.25	July 1	10.16	29	9.06	Dec. 29	9.85
30	12.32						

842. (C) City of Wichita. NW cor. sec. 16, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $\frac{1}{4}$ 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: 1939-61.

Jan. 1	6.38	Apr. 28	6.19	July 31	4.18	Oct. 30	5.98
Feb. 1	6.65	June 1	5.18	Sept. 1	5.45	Nov. 30	5.26
Mar. 1	6.48	July 1	5.25	29	5.52	Dec. 29	5.57
30	6.27						

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 $\frac{1}{4}$ 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: 1939-61.

Jan. 1	16.69	Apr. 28	16.43	July 31	15.78	Oct. 30	15.99
Feb. 1	16.82	June 1	15.79	Sept. 1	16.24	Nov. 30	15.93
Mar. 1	16.71	July 1	16.29	29	15.88	Dec. 29	16.20
30	16.41						

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 $\frac{1}{4}$ inches, depth 19 feet. Measuring point, top of pipe at 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: 1939-61.

Jan. 1	7.15	Apr. 28	6.85	July 31	5.34	Oct. 30	6.66
Feb. 1	7.36	June 1	5.82	Sept. 1	6.14	Nov. 30	6.25
Mar. 1	7.26	July 1	6.05	29	6.30	Dec. 29	6.44
30	7.05						

1171. (C) City of Wichita. NE cor. sec. 4, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $\frac{1}{4}$ inches, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 22.67 below lsd, Apr. 2, 1957. Records available: 1950-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.45	Apr. 28	18.78	July 31	14.98	Oct. 30	15.66
Feb. 1	18.64	June 1	16.97	Sept. 1	15.22	Nov. 30	15.93
Mar. 1	18.78	July 1	16.69	29	15.50	Dec. 29	16.07
30	18.90						

1176. (C) City of Wichita. SW cor. 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: 1950-61.

Jan. 1	17.55	Apr. 28	17.57	July 31	14.33	Oct. 30	14.39
Feb. 1	17.68	June 1	15.80	Sept. 1	13.72	Nov. 30	14.29
Mar. 1	17.73	July 1	15.60	29	14.67	Dec. 29	14.55
30	17.65						

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: 1949-61.

Jan. 1	8.50	Apr. 28	8.26	July 31	5.83	Oct. 30	7.79
Feb. 1	8.67	June 1	6.99	Sept. 1	7.20	Nov. 30	7.29
Mar. 1	8.72	July 1	7.29	29	7.25	Dec. 29	7.59
30	8.57						

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: 1950-61.

Jan. 1	11.11	Apr. 28	11.00	July 31	7.82	Oct. 30	8.34
Feb. 1	11.22	June 1	9.61	Sept. 1	8.07	Nov. 30	8.29
Mar. 1	11.25	July 1	9.23	29	8.01	Dec. 29	8.50
30	11.30						

3041. (C) City of Wichita. SE cor. sec. 3, T. 25 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 17 feet. Measuring point at land surface. Highest water level 8.99 below lsd, July 31, 1961; lowest 13.63 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1953-61.

Jan. 1	10.59	Apr. 28	10.40	July 31	8.99	Oct. 30	10.23
Feb. 1	10.73	June 1	9.66	Sept. 1	9.74	Nov. 30	9.84
Mar. 1	10.71	July 1	9.84	29	9.93	Dec. 29	10.05
30	10.57						

3044. (C) City of Wichita. SW cor. sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 24 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 3.64

below lsd, July 31, 1961; lowest 10.07 below lsd, Mar. 1, 1957. Records available: 1953-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.74	Apr. 28	5.42	July 31	3.64	Oct. 30	5.16
Feb. 1	6.04	June 1	4.58	Sept. 1	5.06	Nov. 30	4.27
Mar. 1	5.77	July 1	4.63	29	4.80	Dec. 29	4.74
30	5.48						

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 11.73 below lsd, Aug. 25, 30, 1961; lowest 21.76 below lsd, Feb. 25, 1958. Records available: 1954-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.97	15.14	15.26	15.16	14.72	13.61	13.26	11.78	11.88	12.07	12.28	12.06
10	14.97	15.15	15.30	15.09	14.28	13.61	13.26	11.75	11.91	12.09	12.28	12.06
15	14.97	15.17	15.30	15.01	13.99	13.59	13.26	11.75	11.92	12.17	12.29	12.07
20	14.99	15.19	15.30	15.05	13.82	13.45	13.26	11.75	11.92	12.21	12.20	12.10
25	15.02	15.22	15.28	15.05	13.71	13.33	12.55	11.73	12.00	12.30	12.16	12.11
30	15.07	.....	15.16	15.11	13.68	13.28	11.95	11.73	12.01	12.32	12.08	12.14

3050. (C) City of Wichita. SE cor. sec. 24, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 6.36 below lsd, July 31, 1961; lowest 11.70 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1952-61. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	8.08	Mar. 1	7.93	Apr. 28	7.75	July 1	6.94
Feb. 1	8.26	30	7.67	June 1	6.88	31	6.36

3050r(1961). Replacement for well 3050, located 8 feet northeast of old well, drilled Aug. 8, 1961. (C) City of Wichita. SE cor. sec. 24, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 6.23 below lsd, Nov. 30, 1961; lowest, 6.96 below lsd, Sept. 29, 1961. Records available: 1961. Aug. 9, 6.49; Sept. 1, 6.81; Sept. 29, 6.96; Oct. 30, 6.82; Nov. 30, 6.23; Dec. 29, 6.56.

3050d. (C) City of Wichita. SE cor. sec. 24, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, depth 165 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.90 below lsd, Nov. 30, 1961; lowest 7.60 below lsd, Sept. 29, 1961. Records available: 1961. Aug. 9, 7.18; Sept. 1, 7.45; Sept. 29, 7.60; Oct. 30, 7.47; Nov. 30, 6.90; Dec. 29, 7.20.

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: 1939-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.79	Mar. 31	21.68	June 30	20.20	Oct. 2	18.46
Feb. 1	21.42	May 1	21.53	Aug. 1	19.82	Nov. 1	18.09
Mar. 1	21.17	June 1	20.20	Sept. 1	18.68	Dec. 1	17.39

M-27. (C) City of Wichita. NW cor. 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, 1949-61.

Jan. 1	24.00	Mar. 31	63.00	June 30	60.00	Oct. 2	57.00
Feb. 1	66.00	May 1	63.00	Aug. 1	58.00	Nov. 1	21.00
Mar. 1	65.00	June 1	60.50	Sept. 1	57.00	Dec. 1	58.00

M-27b. (C) City of Wichita. NE cor. 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: 1947-61.

Jan. 1	23.20	Mar. 30	23.61	June 30	22.15	Oct. 2	20.14
Feb. 1	23.98	May 1	24.01	Aug. 1	20.56	Nov. 1	19.66
Mar. 1	23.99	June 1	22.43	Sept. 1	20.13	Dec. 1	20.26

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, 1949-61.

Jan. 1	60.00	Mar. 31	58.00	June 30	21.00	Oct. 2	19.00
Feb. 1	23.00	May 1	22.00	Aug. 1	19.00	Nov. 1	19.00
Mar. 1	23.00	June 1	60.00	Sept. 1	19.00	Dec. 1	19.00

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: 1947-61.

Jan. 1	23.89	May 1	23.68	Aug. 1	20.41	Nov. 1	19.70
Feb. 1	23.42	June 1	22.75	Sept. 1	19.98	Dec. 1	20.00
Mar. 1	23.72	30	22.30	Oct. 2	20.31		

M-29. (C) City of Wichita. NW cor. 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, 1949-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	23.00	Mar. 31	21.00	June 30	20.00	Oct. 2	18.00
Feb. 1	51.00	May 1	55.00	Aug. 1	50.00	Nov. 1	56.00
Mar. 1	51.00	June 1	19.00	Sept. 1	50.00	Dec. 1	18.00

M-29b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 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: 1947-61.

Jan. 1	20.44	Mar. 31	18.61	June 30	18.03	Oct. 2	15.52
Feb. 1	22.26	May 1	22.70	Aug. 1	19.64	Nov. 1	19.68
Mar. 1	22.62	June 1	17.11	Sept. 1	19.22	Dec. 1	15.25

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, 1949-61.

Jan. 1	62.00	Mar. 31	20.00	June 30	58.00	Oct. 2	17.00
Feb. 1	21.00	May 1	20.00	Aug. 1	18.00	Nov. 1	18.00
Mar. 1	21.00	June 1	18.00	Sept. 1	17.50	Dec. 1	17.00

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: 1947-61.

Jan. 1	22.69	Mar. 31	18.94	June 30	20.96	Oct. 2	15.76
Feb. 1	19.77	May 1	19.39	Aug. 1	17.20	Nov. 1	16.36
Mar. 1	19.97	June 1	17.91	Sept. 1	16.71	Dec. 1	15.70

M-31. (C) City of Wichita. NW cor. 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, 1949-61.

Jan. 1	24.00	Mar. 31	24.00	June 30	49.00	Oct. 2	20.00
Feb. 1	49.00	May 1	23.00	Aug. 1	50.00	Nov. 1	56.00
Mar. 1	50.00	June 1	52.00	Sept. 1	50.00	Dec. 1	54.00

M-31b. (C) City of Wichita. NW cor. 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: 1947-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	22.42	Mar. 31	22.39	June 30	22.76	Oct. 2	19.20
Feb. 1	23.44	May 1	21.92	Aug. 1	21.92	Nov. 1	19.37
Mar. 1	23.72	June 1	22.26	Sept. 1	20.52	Dec. 1	20.62

M-32 (C) City of Wichita. NE $\frac{1}{4}$ 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, 1949-61.

Jan. 1	24.00	Mar. 31	56.00	June 30	20.00	Oct. 2	55.00
Feb. 1	54.00	May 1	22.00	Aug. 1	19.00	Nov. 1	20.00
Mar. 1	22.00	June 1	21.00	Sept. 1	18.00	Dec. 1	19.00

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: 1947-61.

Jan. 1	22.20	Mar. 31	22.42	June 30	20.25	Oct. 2	19.15
Feb. 1	21.94	May 1	21.92	Aug. 1	18.75	Nov. 1	18.83
Mar. 1	21.82	June 1	20.60	Sept. 1	18.13	Dec. 1	18.25

M-33. (C) City of Wichita. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.23 below lsd, July 8, 1949; lowest 81.00 below lsd, July 2, Aug. 1, 1956. Records available: 1947, 1949-61.

Jan. 1	21.00	Mar. 31	21.00	June 30	43.00	Oct. 2	18.00
Feb. 1	21.00	May 1	21.00	Aug. 1	18.00	Nov. 1	18.00
Mar. 1	21.00	June 1	19.50	Sept. 1	17.00	Dec. 1	16.50

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: 1947-61.

Jan. 1	18.41	Mar. 31	17.90	June 30	16.83	Oct. 2	15.11
Feb. 1	18.10	May 1	18.16	Aug. 1	15.70	Nov. 1	14.86
Mar. 1	18.28	June 1	16.92	Sept. 1	14.80	Dec. 1	14.28

M-34. (C) City of Wichita. SW cor. 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, 1949-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	23.00	Mar. 31	49.00	June 30	20.00	Oct. 2	19.00
Feb. 1	22.00	May 1	50.00	Aug. 1	18.00	Nov. 1	19.00
Mar. 1	49.00	June 1	49.00	Sept. 1	18.00	Dec. 1	18.50

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: 1947-61.

Jan. 1	18.46	Mar. 31	19.56	June 30	17.90	Oct. 2	15.86
Feb. 1	19.30	May 1	19.47	Aug. 1	15.82	Nov. 1	16.14
Mar. 1	19.65	June 1	18.38	Sept. 1	15.89	Dec. 1	15.88

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, 1949-61.

Jan. 1	23.00	Mar. 31	23.00	June 30	42.00	Oct. 2	20.00
Feb. 1	23.50	May 1	23.50	Aug. 1	42.00	Nov. 1	50.00
Mar. 1	43.00	June 1	21.00	Sept. 1	20.00	Dec. 1	43.00

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: 1947-61.

Jan. 1	22.90	Mar. 31	22.67	June 30	21.85	Oct. 2	19.68
Feb. 1	23.07	May 1	23.38	Aug. 1	20.38	Nov. 1	20.01
Mar. 1	23.84	June 1	21.25	Sept. 1	20.72	Dec. 1	20.54

M-36. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 184 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 20.03 below lsd, Sept. 1, 1961; lowest 62.99 below lsd, Apr. 1, 1960. Records available: 1958-61.

Jan. 1	59.66	Mar. 31	59.17	June 30	57.56	Oct. 2	57.85
Feb. 1	59.20	May 1	60.16	Aug. 1	56.63	Nov. 1	62.58
Mar. 1	23.34	June 1	58.60	Sept. 1	20.03	Dec. 1	20.29

M-36b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W. 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 17.08 below lsd, Sept. 1, 1961; lowest 25.48 below lsd, Apr. 22, 1958. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	20.85	Mar. 31	21.22	June 30	20.56	Oct. 2	17.93
Feb. 1	20.90	May 1	21.50	Aug. 1	18.15	Nov. 1	18.30
Mar. 1	20.53	June 1	19.18	Sept. 1	17.08	Dec. 1	17.41

M-36d. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 180 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 17.61 below lsd, Sept. 1, 1961; lowest 35.29 below lsd, July 1, Dec. 1, 1959. Records available: 1958-61.

Jan. 1	32.23	Mar. 31	32.02	June 30	30.70	Oct. 2	29.50
Feb. 1	32.17	May 1	32.69	Aug. 1	29.52	Nov. 1	31.23
Mar. 1	20.87	June 1	31.07	Sept. 1	17.61	Dec. 1	17.89

M-37. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.93 below lsd, Oct. 2, 1961; lowest 66.39 below lsd, Nov. 1, 1961. Records available: 1958-61.

Jan. 1	60.20	Mar. 31	17.59	June 30	57.73	Oct. 2	14.93
Feb. 1	59.22	May 1	60.85	Aug. 1	56.71	Nov. 1	66.39
Mar. 1	17.06	June 1	59.55	Sept. 1	57.75	Dec. 1	59.43

M-37b. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, 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 53 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 14.94 below lsd, Oct. 2, 1961; lowest 20.74 below lsd, Dec. 31, 1959. Records available: 1958-61.

Jan. 1	18.17	Mar. 31	17.74	June 30	17.23	Oct. 2	14.94
Feb. 1	17.98	May 1	18.62	Aug. 1	16.12	Nov. 1	15.43
Mar. 1	17.47	June 1	17.27	Sept. 1	15.21	Dec. 1	15.60

M-37d. (C) City of Wichita. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, 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 160 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 14.67 below lsd, Oct. 2, 1961; lowest 32.57 below lsd, Nov. 2, 1959. Records available: 1958-61.

Jan. 1	29.75	Mar. 31	17.65	June 30	28.40	Oct. 2	14.67
Feb. 1	29.23	May 1	30.05	Aug. 1	27.50	Nov. 1	29.10
Mar. 1	17.12	June 1	28.61	Sept. 1	26.50	Dec. 1	26.97

M-38. (C) City of Wichita. NE cor. sec. 18, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 128 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.37 below lsd, Nov. 1, 1961; lowest 72.50 below lsd, Sept. 1, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.35	Mar. 31	69.53	June 30	16.11	Oct. 2	14.66
Feb. 1	17.95	May 1	17.52	Aug. 1	15.38	Nov. 1	14.37
Mar. 1	69.55	June 1	16.01	Sept. 1	14.44	Dec. 1	14.96

M-38b. (C) City of Wichita. NE cor. sec. 18, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 46 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.13 below lsd, Nov. 1, 1961; lowest 22.02 below lsd, Sept. 1, 1959. Records available: 1958-61.

Jan. 1	19.23	Mar. 31	20.70	June 30	18.00	Oct. 2	16.53
Feb. 1	18.72	May 1	19.20	Aug. 1	17.22	Nov. 1	16.13
Mar. 1	20.14	June 1	17.79	Sept. 1	16.18	Dec. 1	16.56

M-38d. (C) City of Wichita. NE cor. sec. 18, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 127 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.30 below lsd, Nov. 1, 1961; lowest 28.49 below lsd, Sept. 1, 1959. Records available: 1958-61.

Jan. 1	19.26	Mar. 31	26.83	June 30	18.00	Oct. 2	16.53
Feb. 1	18.83	May 1	19.35	Aug. 1	17.30	Nov. 1	16.30
Mar. 1	26.40	June 1	17.90	Sept. 1	16.36	Dec. 1	16.70

M-39. (C) City of Wichita. NW¼ NW¼ SW¼ sec. 17, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 154 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.40 below lsd, Dec. 31, 1958; lowest 52.73 below lsd, Feb. 1, 1960. Records available: 1958-61.

Jan. 1	16.82	Mar. 31	49.46	June 30	48.30	Oct. 2	48.26
Feb. 1	16.68	May 1	49.71	Aug. 1	14.71	Nov. 1	14.77
Mar. 1	17.04	June 1	15.37	Sept. 1	14.56	Dec. 1	48.70

M-39b. (C) City of Wichita. NW¼ SW¼ sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.25 below lsd, Oct. 2, 1958; lowest 19.79 below lsd, Feb. 1, 1960. Records available: 1958-61.

Jan. 1	14.60	Mar. 31	17.83	June 30	16.65	Oct. 2	16.06
Feb. 1	14.51	May 1	17.77	Aug. 1	12.54	Nov. 1	12.59
Mar. 1	14.91	June 1	13.13	Sept. 1	12.40	Dec. 1	15.78

M-39d. (C) City of Wichita. NW¼ SW¼ sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 143 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.83 below lsd, Nov. 1, 1958; lowest 21.50 below lsd, Feb. 1, 1960. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.76	Mar. 31	20.16	June 30	18.24	Oct. 2	17.67
Feb. 1	14.61	May 1	19.32	Aug. 1	12.84	Nov. 1	12.79
Mar. 1	15.05	June 1	13.31	Sept. 1	12.55	Dec. 1	18.40

M-40. (C) City of Wichita. SW cor. sec. 17, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 127 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 12.69 below lsd, Dec. 31, 1958; lowest 55.25 below lsd, Nov. 2, 1959. Records available: 1958-61.

Jan. 1	52.85	Mar. 31	15.35	June 30	14.09	Oct. 2	13.93
Feb. 1	52.36	May 1	15.53	Aug. 1	51.34	Nov. 1	58.37
Mar. 1	52.92	June 1	52.00	Sept. 1	51.40	Dec. 1	13.45

M-40b. (C) City of Wichita. SW cor. sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.53 below lsd, Nov. 1, 1958; lowest 14.66 below lsd, July 1, 1959. Records available: 1958-61.

Jan. 1	13.11	Mar. 31	13.26	June 30	11.80	Oct. 2	11.78
Feb. 1	13.50	May 1	13.64	Aug. 1	11.82	Nov. 1	11.89
Mar. 1	13.73	June 1	11.93	Sept. 1	11.86	Dec. 1	11.10

M-40d. (C) City of Wichita. SW cor. sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 121 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.59 below lsd, Oct. 2, 1958; lowest 27.34 below lsd, July 1, 1959. Records available: 1958-61.

Jan. 1	25.52	Mar. 31	13.76	June 30	12.50	Oct. 2	12.32
Feb. 1	25.53	May 1	13.96	Aug. 1	23.91	Nov. 1	26.27
Mar. 1	25.79	June 1	24.36	Sept. 1	24.02	Dec. 1	11.77

M-51. (C) City of Wichita. NW cor. sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.22 below lsd, Jan. 2, 1959; lowest 83.50 below lsd, July 1, 1960. Records available: 1958-61.

Jan. 1	18.77	Mar. 31	19.05	June 30	18.32	Oct. 2	69.06
Feb. 1	19.19	May 1	19.27	Aug. 1	17.33	Nov. 1	24.08
Mar. 1	18.95	June 1	69.96	Sept. 1	71.03	Dec. 1	17.38

M-51b. (C) City of Wichita. NW cor. sec. 5, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 0.75 foot above lsd. Highest water level 6.33 below lsd, Aug. 1, 1961; lowest 9.20 below lsd, Oct. 1, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	8.40	Mar. 31	8.51	June 30	7.25	Oct. 2	7.39
Feb. 1	8.54	May 1	8.21	Aug. 1	6.33	Nov. 1	7.64
Mar. 1	8.72	June 1	7.09	Sept. 1	7.47	Dec. 1	7.36

M-51d. (C) City of Wichita. NW cor. sec. 5, 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 162 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.39 below lsd, Jan. 2, 1959; lowest 51.62 below lsd, Sept. 1, 1959. Records available: 1958-61.

Jan. 1	20.66	Mar. 31	21.21	June 30	20.25	Oct. 2	44.54
Feb. 1	21.28	May 1	21.21	Aug. 1	19.22	Nov. 1	27.08
Mar. 1	21.03	June 1	46.05	Sept. 1	48.99	Dec. 1	19.23

M-52. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 40 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.72 below lsd, May 2, 1960; lowest 30.98 below lsd, Nov. 1, 1961. Records available: 1958-61.

Jan. 1	7.44	Mar. 31	7.33	June 30	29.06	Oct. 2	6.46
Feb. 1	7.49	May 1	7.20	Aug. 1	28.02	Nov. 1	30.98
Mar. 1	7.66	June 1	28.42	Sept. 1	7.68	Dec. 1	6.44

M-52b. (C) City of Wichita. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 6.51 below lsd, Oct. 2, 1958; lowest 10.76 below lsd, Oct. 1, 1959. Records available: 1958-61.

Jan. 1	9.33	Mar. 31	9.16	June 30	9.90	Oct. 2	8.39
Feb. 1	9.37	May 1	9.01	Aug. 1	9.00	Nov. 1	7.74
Mar. 1	9.55	June 1	9.58	Sept. 1	8.60	Dec. 1	8.31

M-53. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 92 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.21 below lsd, Aug. 1, 1961; lowest 30.60 below lsd, Nov. 1, 1961. Records available: 1958-61.

Jan. 1	7.61	Mar. 31	7.61	June 30	6.40	Oct. 2	6.69
Feb. 1	7.74	May 1	7.70	Aug. 1	5.21	Nov. 1	30.60
Mar. 1	7.90	June 1	6.36	Sept. 1	6.66	Dec. 1	6.62

M-53b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 36 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.50 below lsd, Oct. 2, 1958; lowest 8.85 below lsd, Sept. 1, 1959. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.09	Mar. 31	6.04	June 30	4.82	Oct. 2	5.06
Feb. 1	6.23	May 1	6.06	Aug. 1	3.67	Nov. 1	6.80
Mar. 1	6.20	June 1	4.71	Sept. 1	5.12	Dec. 1	5.07

M-54. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.35 below lsd, Aug. 1, 1961; lowest 21.04 below lsd, Aug. 1, 1960. Records available: 1958-61.

Jan. 1	8.23	Mar. 31	20.86	June 30	6.82	Oct. 2	19.64
Feb. 1	8.20	May 1	7.85	Aug. 1	5.35	Nov. 1	7.60
Mar. 1	8.40	June 1	6.99	Sept. 1	7.00	Dec. 1	7.05

M-54b. (C) City of Wichita. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.70 below lsd, Sept. 1, 1961; lowest 11.07 below lsd, Mar. 31, 1961. Records available: 1959-61.

Jan. 1	8.97	Mar. 31	11.07	June 30	7.54	Oct. 2	8.27
Feb. 1	8.94	May 1	8.64	Aug. 1	6.06	Nov. 1	8.30
Mar. 1	9.17	June 1	7.66	Sept. 1	4.70	Dec. 1	7.83

M-55. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 47 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.06 below lsd, July 1, 1960; lowest 26.12 below lsd, Oct. 1, 1959. Records available: 1958-61.

Jan. 1	10.61	Mar. 31	10.55	June 30	23.85	Oct. 2	9.41
Feb. 1	23.87	May 1	10.26	Aug. 1	21.70	Nov. 1	10.40
Mar. 1	10.95	June 1	23.57	Sept. 1	23.76	Dec. 1	24.08

M-55b. (C) City of Wichita. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.94 below lsd, Oct. 2, 1958; lowest 13.17 below lsd, Oct. 1, 1959. Records available: 1958-61.

Jan. 1	8.73	Mar. 31	8.63	June 30	9.20	Oct. 2	7.63
Feb. 1	9.99	May 1	8.36	Aug. 1	8.25	Nov. 1	8.52
Mar. 1	9.10	June 1	9.12	Sept. 1	9.42	Dec. 1	9.63

26-2-22ab. (C) Al Stoltz. Drilled irrigation well in sand and gravel of Pleistocene age, diameter 6 inches, depth 42 feet. Measuring point, bottom inside lip elbow, 1.25 feet above lsd. Highest water level 2.33 below lsd, Dec. 19, 1960; lowest 5.24 below lsd, Aug. 22, 1961. Records available: 1960-61.

Date	Water level	Date	Water level	Date	Water level
Oct. 20, 1960	4.75	May 2, 1961	4.61	Aug. 7, 1961	5.01
Nov. 22	4.72	15	4.35	22	5.24
Dec. 19	2.33	26	4.36	Sept. 25	5.17
Jan. 19, 1961	3.43	June 5	4.50	Oct. 18	4.12
Feb. 22	2.44	19	4.63	Nov. 20	4.59
Mar. 21	2.36	30	4.74	Dec. 18	4.65
Apr. 20	4.54	July 20	4.72		

27-1-26ddd. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 to 2 inches, depth 87 feet. Measuring point, hole in recorder base, 2.00 feet above lsd. Highest water level 6.15 below lsd, May 10, 1961; lowest 8.63 below lsd, Dec. 15, 1959. Records available: 1959-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.13	8.36	8.15	7.11	6.50	7.29	7.91	7.65	7.52	.....	6.42	7.03
10	8.17	8.34	8.27	7.00	6.15	7.41	8.00	7.81	7.66	.....	6.53	7.19
15	8.23	8.39	8.34	7.20	.....	7.43	8.06	7.72	7.37	.....	6.58	7.25
20	8.28	8.21	8.29	7.27	.....	7.53	8.12	7.01	7.29	7.27	6.41	7.30
25	8.39	8.13	8.03	7.44	.....	7.64	7.14	7.10	.....	7.51	6.66	7.31
30	8.29	.....	7.02	7.45	7.05	7.81	7.40	7.36	.....	7.51	6.84	7.47

28-1-2cb. (C) Bill Vanderhaff. Driven domestic and stock well in sand and gravel of Pleistocene age, diameter 1½ inches, depth 30 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 10.12 below lsd, Oct. 18, 1961; lowest 11.20 below lsd, Apr. 29, 1959. Records available: 1959-61. Jan. 19, 10.70; Apr. 20, 10.51; July 20, 10.48; Oct. 18, 10.12.

28-1-36adc. (C) George Lipke. Drilled irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth 58 feet. Measuring point, hole in south edge of pump, 1.20 feet above lsd. Highest water level 28.89 below lsd, Oct. 18, 1961; lowest 30.09 below lsd, July 23, 1959. Records available: 1959-61. Jan. 19, 29.02; Apr. 20, 28.95; July 20, 29.49; Oct. 18, 28.89.

SEWARD COUNTY

15. (C) Cabot Carbon Co. SE¼ SW¼ 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 19.60 below lsd, July 11, 1960. Records available: 1940-61. June 13, 17.98; Sept. 12, 18.45; Dec. 4, 18.09.

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 124.50 below lsd, Sept. 12, 1961. Records available: 1950-61. Mar. 8, 122.88; June 13, 123.55; Sept. 12, 124.50.

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: 1956-61. Dec. 4, 179.22.

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. Measur-

ing point, top west side of casing, 0.80 foot above lsd. Highest water level 168.25 below lsd, Nov. 13, 1956; lowest 170.81 below lsd, Mar. 8, 1961. Records available: 1955-61. Mar. 8, 170.81; June 13, 170.52; Sept. 12, 170.50; Dec. 4, 170.48.

SHAWNEE COUNTY

10-13-31baa. (C) Owner unknown. Drilled observation well in alluvium, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 11.30 below lsd, Dec. 1, 1961; lowest 15.59 below lsd, July 31, 1959. Records available: 1959-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.50	Apr. 3	13.20	June 30	11.60	Oct. 2	12.44
Feb. 2	13.65	May 1	12.84	July 31	13.73	31	11.74
Mar. 1	13.66	June 1	11.97	Sept. 1	13.33	Dec. 1	11.30

11-15-13acc. 16). (C) Goodyear Tire and Rubber Co. Drilled observation water-table well in alluvium, diameter 2 inches, depth 70 feet. Measuring point, top east edge coupling, 1.80 feet above lsd. Highest water level 31.77 below lsd, Dec. 1, 1958; lowest 38.30 below lsd, Oct. 3, 1960. Records available: 1958-61.

Jan. 3	35.35	Apr. 3	35.67	June 30	35.15	Oct. 2	34.62
Feb. 2	34.84	May 1	35.88	July 31	35.32	31	35.14
Mar. 1	36.17	June 1	35.54	Sept. 1	36.14	Dec. 1	35.99

11-15-13ccc. (17). (C) J. H. Skinner Co. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 77 feet. Measuring point, hole in southeast section of pump base, 0.80 foot above lsd. Highest water level 28.04 below lsd, Oct. 10, 1958, June 1, 1959; lowest 31.12 below lsd, Apr. 3, 1961. Records available: 1958-61.

Jan. 3	30.79	Apr. 3	31.12	June 30	30.15	Oct. 2	30.45
Feb. 2	31.03	May 1	31.03	July 31	30.08	31	30.40
Mar. 1	31.10	June 1	30.64	Sept. 1	30.51	Dec. 1	30.24

11-15-13dac. (2). (C) Goodyear Tire and Rubber Co. Drilled observation water-table well in alluvium, diameter 2 inches, depth 76 feet. Measuring point, top east edge of pipe coupling, 2.30 feet above lsd. Highest water level 28.67 below lsd, June 2, 1960; lowest 33.35 below lsd, Oct. 3, 1960. Records available: 1958-61.

Jan. 3	31.77	Apr. 3	32.03	June 30	29.10	Oct. 2	32.48
Feb. 2	32.76	May 1	31.54	July 31	31.95	31	32.08
Mar. 1	32.28	June 1	30.73	Sept. 1	32.35	Dec. 1	32.13

11-15-13dbc. (4). (C) Goodyear Tire and Rubber Co. Drilled observation water-table well in alluvium, diameter 2 inches, depth 79 feet. Measuring point, top east edge of coupling, 1.50 feet above lsd. Highest water level 29.96 below lsd, Dec. 1, 1958; lowest 34.34 below lsd, Oct. 3, 1960. Records available: 1958-61.

Jan. 3	31.29	Apr. 3	32.50	June 30	30.15	Oct. 2	32.98
Feb. 2	33.28	May 1	32.34	July 31	32.69	31	32.67
Mar. 1	33.02	June 1	32.03	Sept. 1	33.18	Dec. 1	32.71

11-15-13 dbd. (3). (C) Goodyear Tire and Rubber Co. Drilled observation water-table well in alluvium, diameter 2 inches, depth 78 feet. Measuring point, top east edge of pipe, 2.20 feet above lsd. Highest water level 27.61 below lsd, Dec. 1, 1958; lowest 32.40 below lsd, Oct. 3, 1960. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	29.75	Apr. 3	30.75	June 30	27.86	Oct. 2	31.33
Feb. 2	30.94	May 1	29.76	July 31	30.95	31	31.05
Mar. 1	31.12	June 1	30.04	Sept. 1	31.42	Dec. 1	30.98

11-15-13dcb. (5). (C) Topeka Implement Co. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 42 feet. Measuring point, top east edge of pipe, 2.00 feet above lsd. Highest water level 29.20 below lsd, Oct. 9, 1958; lowest 32.59 below lsd, Oct. 3, 1960. Records available: 1958-61.

Jan. 3	31.47	Apr. 3	31.97	June 30	30.00	Oct. 2	31.96
Feb. 2	32.44	May 1	31.68	July 31	31.39	31	31.78
Mar. 1	32.12	June 1	31.30	Sept. 1	31.92	Dec. 1	31.59

11-15-14adb. (15). (C) Howard Jackson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 58 feet. Measuring point, 1½-inch opening in floor on north side of pump, at land surface. Highest water level 29.30 below lsd, Dec. 16, 1933; lowest 33.65 below lsd, Mar. 1, 1961. Records available: 1933, 1959-61.

Jan. 3	33.42	Apr. 3	33.60	July 31	32.95	Oct. 31	32.93
Feb. 2	33.57	May 1	33.53	Sept. 1	33.30	Dec. 1	32.80
Mar. 1	33.65	June 1	33.02	Oct. 2	33.19		

11-15-14cbb. (13). (C) R. H. Stover. Drilled irrigation water-table well in alluvium, diameter 17 inches, depth 52 feet. Measuring point, plus mark south edge of pump, 1.00 foot above lsd. Highest water level 28.73 below lsd, Jan. 6, 1959; lowest 31.59 below lsd, Mar. 1, 1961. Records available: 1959-61.

Jan. 3	31.28	Apr. 3	31.46	June 30	30.75	Oct. 2	30.88
Feb. 2	31.46	May 1	31.33	July 31	30.92	31	30.57
Mar. 1	31.59	June 1	30.87	Sept. 1	31.09	Dec. 1	30.25

11-15-14ccb. (12). (C) State of Kansas. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 48 feet. Measuring point, top east edge of pipe, 4.10 feet above lsd. Highest water level 24.80 below lsd, Oct. 10, 1958; lowest 28.95 below lsd, Mar. 1, 1961. Records available: 1958-61.

Jan. 3	28.58	Apr. 3	28.87	June 30	27.83	Oct. 2	28.02
Feb. 2	28.78	May 1	28.71	July 31	28.02	31	27.73
Mar. 1	28.95	June 1	28.23	Sept. 1	28.22	Dec. 1	27.44

11-15-14dbb. (14). (C) R. Stover. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 39 feet. Measuring point, top east edge of pipe, 0.70 foot above lsd. Highest water level 25.90 below lsd, Jan. 6, 1959; lowest 28.85 below lsd, Oct. 10, 1958. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	28.52	Apr. 3	28.75	June 30	28.02	Oct. 2	28.21
Feb. 2	28.67	May 1	28.63	July 31	28.08	31	28.03
Mar. 1	28.77	June 1	28.21	Sept. 1	28.38	Dec. 1	27.50

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: 1950-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	26.30	26.45	26.59	25.78	24.93	24.23	24.79	25.28	25.80	25.14	24.69	24.35
10	26.33	26.47	26.63	25.56	24.81	24.29	24.94	25.34	26.00	25.21	24.52	24.37
15	26.34	26.50	26.64	25.31	24.63	24.38	25.06	25.46	25.83	25.04	24.47	24.44
20	26.37	26.52	26.62	25.14	24.62	24.44	25.21	25.60	25.41	24.90	24.40	24.48
25	26.39	26.55	26.54	25.04	24.44	24.54	25.30	25.68	25.27	24.91	24.35	24.53
30	26.42	.....	26.31	24.95	24.27	24.64	25.31	25.80	25.12	24.95	24.34	24.60
EOM	26.43	26.57	26.21	.....	24.23	.....	25.30	25.82	.....	24.95	.....	24.62

11-15-22aaa. (11). (C) F. E. Baird. Dug and drilled irrigation water-table well in alluvium, diameter 12 inches, depth 50 feet. Measuring point, notch in 2 x 6 plank over well pit, 1.00 foot above lsd. Highest water level 24.50 below lsd, Dec. 1, 1958; lowest 28.07 below lsd, Mar. 4, 1960. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	27.25	Apr. 3	27.59	June 30	26.37	Oct. 2	26.61
Feb. 2	27.46	May 1	27.39	July 31	26.45	31	26.31
Mar. 1	27.64	June 1	26.90	Sept. 1	26.81	Dec. 1	26.03

11-15-22cac. (10A). (C) E. L. Whiteman. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 48 feet. Measuring point, 1-inch threaded hole in south section of pump, 0.50 foot above lsd. Highest water level 13.84 below lsd, May 3, July 1, 1960; lowest 18.46 below lsd, May 1, 1961. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.80	Apr. 3	16.66	June 30	14.18	Oct. 2	15.25
Feb. 2	17.07	May 1	18.46	July 31	15.22	Dec. 1	15.02
Mar. 1	17.14	June 1	14.36	Sept. 1	15.77		

11-15-23dbd. (10). (C) J. G. Meier. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 54 feet. Measuring point, hole in southwest section pump base, 1.60 feet above lsd. Highest water level 21.76 below lsd, July 1, 1960; lowest 25.07 below lsd, Mar. 1, 1961. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	24.76	Apr. 3	24.62	June 30	22.64	Oct. 2	23.05
Feb. 2	24.97	May 1	24.51	July 31	23.26	31	23.10
Mar. 1	25.07	June 1	22.05	Sept. 1	23.98	Dec. 1	22.88

11-15-24abc. (6). (C) S. A. Meier. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 53 feet. Measuring point, hole in northwest section of pump base, 0.80 foot above lsd. Highest water level 23.17 below lsd, Dec. 1, 1958; lowest 27.02 below lsd, Mar. 1, 1961. Records available: 1958-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	26.73	Apr. 3	26.95	June 30	25.41	Oct. 2	26.10
Feb. 2	26.99	May 1	26.78	July 31	25.48	31	26.10
Mar. 1	27.02	June 1	26.35	Sept. 1	26.01	Dec. 1	25.83

11-15-24acd. (8). (C) Jackson Greenhouse. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 0.06 foot below lsd. Highest water level 23.20 below lsd, Oct. 9, 1958; lowest 26.82 below lsd, Mar. 1, 1961. Records available: 1958-61.

Jan. 3	26.51	Apr. 3	26.60	July 31	24.82	Oct. 31	25.21
Feb. 2	26.71	May 1	26.41	Sept. 1	25.30	Dec. 1	25.11
Mar. 1	26.82	June 30	24.48	Oct. 2	25.16		

11-15-24ada. (7). (C) J. H. Skinner and Co. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 78 feet. Measuring point, hole in northwest section of pump base, 0.60 foot above lsd. Highest water level 23.29 below lsd, Dec. 1, 1958; lowest 25.99 below lsd, Mar. 1, 1961. Records available: 1958-61.

Jan. 3	25.66	Apr. 3	25.85	June 30	24.03	Oct. 2	24.59
Feb. 2	25.85	May 1	25.63	July 31	24.12	Dec. 1	24.41
Mar. 1	25.99	June 1	25.06	Sept. 1	24.58		

11-15-24dbd. (9). (C) I. A. Brown. Drilled observation water-table well in alluvium, diameter 1¼ inches, diameter 35 feet. Measuring point, top edge of pipe, 3.20 feet above lsd. Highest water level 15.40 below lsd, Apr. 4, 1960; lowest 20.43 below lsd, Mar. 1, 1961. Records available: 1958-61.

Jan. 3	20.11	Apr. 3	19.73	June 30	16.93	Oct. 2	17.99
Feb. 2	20.31	May 1	19.74	July 31	18.18	31	18.23
Mar. 1	20.43	June 1	15.98	Sept. 1	18.70	Dec. 1	18.26

11-16-18cad. (1). (C) R. W. Sowell. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 42 feet. Measuring point, top east edge of pipe, 2.50 feet above lsd. Highest water level 24.10 below lsd, Oct. 10, 1958; lowest 26.80 below lsd, Mar. 1, 1961. Records available: 1958-61.

Jan. 3	26.62	Apr. 3	26.66	June 30	25.83	Oct. 2	26.24
Feb. 2	26.69	May 1	26.76	July 31	25.82	31	26.14
Mar. 1	26.80	June 1	26.24	Sept. 1	26.16	Dec. 1	25.92

11-16-20bac. (18). (C) Ray Mitchell. Dug irrigation water-table well in alluvium, 36 to 16 inches, depth 45 feet. Measuring point, top south edge of north 2 x 8 edgewise, 0.40 foot above lsd. Highest water level 19.86 below lsd, July 1, 1960; lowest 22.05 below lsd, Mar. 1, 1961. Records available: 1959-61.

Jan. 3	21.66	Apr. 3	21.96	June 30	20.45	Oct. 2	20.85
Feb. 2	21.90	May 1	21.91	July 31	20.70	31	20.90
Mar. 1	22.05	June 1	21.32	Sept. 1	21.02	Dec. 1	20.62

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 107.50 below lsd, Apr. 14, 1961; lowest 108.78 below lsd, Apr. 12, 1960. Records available: 1952-61. Jan. 16, 108.57; Apr. 14, 107.50; July 13, 108.69; Oct. 17, 108.41.

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 46.55 below lsd, Jan. 16, 1961; lowest 49.03 below lsd, Nov. 26, 1956. Records available: 1952-61. Jan. 16, 46.55; Apr. 14, 47.33; July 14, 47.28; Oct. 17, 47.62.

8-28-28da. (C) Clance Shamberger. Drilled stock well in Ogallala Formation, diameter 6 inches, depth 106 feet. Measuring point, hole in south side of pump base, 1.00 foot above lsd. Highest water level 45.11 below lsd, Apr. 12, 1960; lowest 78.17 below lsd, July 13, 1961. Records available: 1960-61. 1960: Apr. 12, 45.11; Oct. 14, 77.90. 1961: Jan. 16, 78.16; July 13, 78.17; Oct. 17, 77.95.

SHERMAN COUNTY

6-42-2aaa. (C) Harvey J. Stewart. Drilled unused water-table stock well in Ogallala Formation, diameter 6 inches, depth 225 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 180.10 below lsd, July 12, 1961; lowest 183.34 below lsd, Oct. 13, 1960. Records available: 1959-61. Jan. 17, 181.77; Apr. 13, 181.44; July 12, 180.10; Oct. 18, 182.53.

8-39-19caa. (C) Wm. Hall (City of Goodland). Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth (remeasured 1961) 167 feet. Measuring point, top south side of casing, 0.40 foot above lsd. Highest water level 147.40 below lsd, Mar. 16, 1945; lowest 158.88 below lsd, Oct. 12, 1960. Records available: 1942-43, 1945, 1950-60. No measurement made in 1961.

8-40-24baa. (C) Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth (remeasured 1961) 159 feet. Measuring point, top west side of casing, 0.70 foot above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 141.28 below lsd, July 14, 1959. Records available: 1948-61. Jan. 17, 140.13; Apr. 13, 140.19; July 25, 140.22; Oct. 18, 140.52.

9-39-30cbb. (C) Charles Glenn. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth (remeasured 1961) 135 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, Oct. 18, 1961. Records available: 1948-61. Jan. 17, 118.70; Apr. 20, 118.76; July 25, 118.76; Oct. 18, 118.90.

SMITH COUNTY

4-14-32bc. (MB) U.S.B.R. Drilled observation well in alluvium, diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.10 below lsd, Aug. 15, 1961; lowest 37.62 below lsd, June 19, 1957. Records available: 1956-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	24.80	May 15	26.50	July 17	23.20	Sept. 18	23.30
Apr. 18	26.48	June 13	26.39	Aug. 15	23.10		

4-14-34bc. (MB) Laura Davis. Dug stock water-table well in terrace deposits of Pleistocene age, diameter 32 inches, depth 46 feet. Measuring point, top south side of wooden platform, 2.00 feet above lsd. Highest water level 32.58 below lsd, Oct. 8, 1959; lowest 45.37 below lsd, Mar. 22, 1951. Records available: 1945-60. No measurement made in 1961.

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: 1951-60. No measurement made in 1961.

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 6.88 below lsd, June 13, 1961; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	10.23	May 15	9.43	July 17	8.15	Sept. 18	8.48
Apr. 18	9.68	June 13	6.88	Aug. 15	7.60		

4-15-34bb. (MB) U.S.B.R. Drilled observation well in alluvium, diameter $1\frac{1}{4}$ inches, depth 58 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 16.70 below lsd, Sept. 21, 1959; lowest 34.04 below lsd, June 19, 1957. Records available: 1956-61.

Jan. 12	18.80	May 15	19.90	July 18	18.53	Sept. 19	17.72
Apr. 18	19.93	June 13	19.45	Aug. 15	17.70		

4-15-34cb. (MB) U.S.B.R. Drilled observation well in alluvium, diameter $1\frac{1}{4}$ inches, depth 38 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 14.10 below lsd, Sept. 19, 1961; lowest 30.20 below lsd, May 14, 1957. Records available: 1956-61.

Jan. 12	16.13	May 15	17.15	July 18	15.65	Sept. 19	14.10
Apr. 18	16.93	June 13	16.90	Aug. 15	15.17		

4-15-34da. (MB) U.S.B.R. Drilled observation well in alluvium, diameter $1\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 19.80 below lsd, Aug. 16, 1960; lowest 34.60 below lsd, May 14, 1957. Records available: 1956-61.

Jan. 12	23.98	May 15	26.48	July 18	23.81	Sept. 19	21.07
Apr. 18	26.10	June 13	26.20	Aug. 15	21.05		

4-15-35cc. (MB) U.S.B.R. Drilled observation well in alluvium, diameter $1\frac{1}{4}$ inches, depth 39 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 4.20 below lsd, Sept. 13, 1960; lowest 12.86 below lsd, May 14, 1957. Records available: 1956-61.

Jan. 12	4.40	May 15	5.50	July 18	5.23	Sept. 19	4.90
Apr. 18	5.30	June 13	5.40	Aug. 16	4.98		

5-13-4dc. (MB) Roy Eller. Dug domestic and stock water-table well in alluvium, diameter 24 inches, depth 43 feet, cribbed with rock. Measuring point, west side of cement curb, 0.40 foot above lsd. Highest water level 10.78 below lsd, July 24, 1951; lowest 35.28 below lsd, Dec. 17, 1945. Records available: 1945-60. No measurement made in 1961.

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 4.70 below lsd, Sept. 14, 1960; lowest 12.15 below lsd, Mar. 12, 1957. Records available: 1951-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	6.38	May 16	6.80	July 18	6.32	Sept. 19	6.10
Apr. 19	6.80	June 14	6.40	Aug. 15	6.13		

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 8.69 below lsd, July 19, 1961; lowest 24.23 below lsd, June 20, 1957. Records available: 1951-61.

Jan. 13	16.80	May 17	15.38	July 19	8.69	Sept. 20	9.05
Apr. 19	15.32	June 14	9.27	Aug. 16	8.80		

5-13-35ad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 29 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 16.20 below lsd, Sept. 20, 1961; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-61.

Jan. 13	17.80	May 17	19.70	July 19	18.00	Sept. 20	16.20
Apr. 19	19.60	June 14	18.45	Aug. 16	16.30		

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: 1951-61. Apr. 19, 20.30; May 16, 19.85; June 14, 19.40; July 18, 18.92; Aug. 15, 18.30; Sept. 19, 17.21.

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: 1951-60. No measurement made in 1961.

5-15-2dc. (MB) George K. Wamhoff. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 42 feet. Measuring point, top west side of board platform, 1.20 feet above lsd. Highest water level 23.95 below lsd, Oct. 22, 1951; lowest 33.84 below lsd, Nov. 30, 1948. Records available: 1945-60. No measurement made in 1961.

STAFFORD COUNTY

19. (C) Atlantic Refining Co. 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 13 feet. Measuring point, sand point driven in well pit, 0.20 foot below lsd. Highest water level 0.40 above lsd, Aug. 29, Sept. 20, 1950; lowest 11.04 below lsd, Aug. 1, 1942. Records available: 1942-61.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	5.30	Apr. 17	5.02	July 17	5.13	Oct. 19	5.46
Feb. 22	5.19	May 24	4.68	Aug. 17	4.40	Nov. 20	4.93
Mar. 21	5.26	June 20	4.18	Sept. 27	4.71	Dec. 20	5.09

22-13-29da1. (C) Mrs. L. C. Walls. Bored water-table observation well in Ogallala Formation, diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.47 feet above lsd. Highest water level 10.11 below lsd, Sept. 27, 1961; lowest 10.84 below lsd, July 17, 1961. Records available: 1961. July 17, 10.84; Aug. 17, 10.77; Sept. 27, 10.11; Oct. 19, 10.18; Nov. 20, 10.22; Dec. 20, 10.22.

25-13-3bb. (C) M. L. Halley. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 4 inches, depth (remeasured 1961) 32 feet. Sand point driven in well pit, measuring point, 0.80 foot above lsd. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-61.

Jan. 18	14.63	Apr. 19	14.93	July 17	15.39	Oct. 23	13.89
Feb. 22	14.49	May 25	14.77	Aug. 17	15.29	Nov. 21	13.50
Mar. 20	14.85	June 20	14.98	Sept. 26	13.84	Dec. 19	13.39

STANTON COUNTY

13. (C) Leah Carrithers. NE¼ 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: 1939-61. Feb. 14, 48.26; May 22, 48.60; Aug. 9, 48.60; Nov. 8, 49.21.

93. (C) Glenn Arnold. Cen. 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 182.66 below lsd, Nov. 8, 1961. Records available: 1939-61. Feb. 14, 181.30; May 22, 180.90; Nov. 8, 182.66.

146. (C) C. M. Harrison. SW¼ 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, top of coupling, 1.00 foot above lsd. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest dry, Aug. 19, 1959, Aug. 23, Nov. 16, 1960, May 22, 1961. Records available: 1939-51, 1953-61. Feb. 13, 45.37; May 22, dry. Measurement discontinued.

27-39-27bb. (C) M. P. Molz. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 379 feet. Measuring point, hole in east side of steel pump base, 0.30 foot above lsd. Highest water level 78.41 below lsd, Jan. 30, 1959; lowest 107.70 below lsd, Aug. 19, 1959. Records available: 1958-61. Feb. 14, 84.98; Nov. 8, 89.80.

27-42-31cc. (C) Earl Anderson. Drilled irrigation water-table well in deposits of Pliocene age and Dakota and Cheyenne sandstones, diameter 16 inches, depth 400 feet. Measuring point, hole in east side of steel pump base, 1.00 foot above lsd. Highest water level 190.33 below lsd, Feb. 25, 1960; lowest 192.73 below lsd, Aug. 9, 1961. Records available: 1958-61. Feb. 13, 190.95; Aug. 9, 192.73; Nov. 8, 191.67.

28-39-14bb1. (C) Herb Campbell. Drilled unused artesian well in Ogallala Formation, diameter 16 inches, depth 419 feet. Measuring point, top east side of casing, at land surface. Highest water level 84.10 below lsd, May 11, 1960; lowest 88.84

below lsd, Nov. 8, 1961. Records available: 1959-61. Feb. 14, 84.43; May 22, 86.08; Aug. 9, 88.30; Nov. 8, 88.84.

28-39-29cd. (C) J. D. Burkham. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 400 feet. Measuring point, top of south-east side of pump base, 0.50 foot above lsd. Highest water level 79.12 below lsd, May 28, 1958; lowest 108.50 below lsd, May 22, 1961. Records available: 1958-61. Feb. 14, 87.47; May 22, 108.50.

28-42-35ba. (C) Hal Hale. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 184 feet. Measuring point, hole in southeast side of steel pump base, 0.50 foot above lsd. Highest water level 126.00 below lsd, Nov. 3, 1958; lowest 127.02 below lsd, Oct. 28, 1959. Records available: 1958-59. Measurement discontinued.

30-43-34bb. (C) W. T. Lauman. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 103 feet. Measuring point, hole in south side of pump base, 1.15 feet above lsd. Highest water level 45.72 below lsd, Dec. 4, 1958; lowest 57.85 below lsd, Aug. 9, 1961. Records available: 1958-61. Feb. 13, 50.40; Aug. 9, 57.85; Nov. 8, 56.75.

STEVENS COUNTY

31-36-2cd. (C) Mrs. Earl Clark. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 410 feet. Measuring point, lower edge of cutout on east side of steel pump base, 1.00 foot above lsd. Highest water level 140.50 below lsd, Mar. 21, 1960; lowest 149.23 below lsd, Jan. 4, 1960. Records available: 1958-60. No measurement made in 1961.

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 143.37 below lsd, Aug. 22, 1960. Records available: 1956-61. Feb. 13, 126.49; May 16, 136.94; Aug. 7, 131.48; Nov. 7, 129.80.

33-36-26dd. (C) R. Heger. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 360 feet. Measuring point, top edge of hole in pump base, 0.50 foot above lsd. Highest water level 120.14 below lsd, May 13, 1958; lowest 139.06 below lsd, May 7, 1959. Records available: 1942, 1953-61. Feb. 13, 122.25; May 16, 132.25; Aug. 7, 124.56; Nov. 7, 121.04.

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 77.60 below lsd, Nov. 7, 1961; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-61. Feb. 13, 79.60; May 16, 80.96; Nov. 7, 77.60.

33-38-20dd. (C) John R. Slempe. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 405 feet. Measuring point, west lower edge of pump, 1.10 feet above lsd. Highest water level 126.32 below lsd, Feb. 13, 1961; lowest 131.00 below lsd, Apr. 18, 1959. Records available: 1959-61. Feb. 13, 126.32; Nov. 7, 127.90.

33-38-21bbc. (C) Farrar Bros. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 450 feet. Measuring point, north side of pump, 0.70 foot above lsd. Highest water level 118.60 below lsd, Apr. 1, 1959; lowest 118.70 below lsd, Apr. 8, 1959. Records available: 1959. Measurement discontinued.

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 (remeasured

1961) 28 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: 1954-61. Dec. 28, 9.90.

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 (remeasured 1961) 30 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: 1954-61. Dec. 28, 11.45.

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 (remeasured 1961) 27 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: 1954-61. Dec. 28, 5.75.

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 (remeasured 1961) 29 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: 1954-61. Dec. 28, 8.85.

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 (remeasured 1961) 13 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: 1954-61. Dec. 28, 2.98.

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 (remeasured 1961) 26 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: 1954-61. Dec. 28, 8.45.

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 (remeasured 1961) 30 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: 1954-61. Dec. 28, 10.68.

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 (remeasured 1961) 32 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 8.93 below lsd, Dec. 28, 1961; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-61. Dec. 28, 8.93.

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: 1942-61. Jan. 17, 123.59; Apr. 14, 123.77; July 14, 127.30; July 26, 125.02; Oct. 17, 124.41.

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 108.46 below lsd, Jan. 18, 1958; lowest 124.78 below lsd, Apr. 14, 1961. Records available: 1942-61. Jan. 16, 124.01; Apr. 14, 124.78; May 19, 109.42; July 14, 109.81; Oct. 17, 109.30.

33. (C) Arch Ball. NW¼ NW¼ sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 137 feet. Measuring point, top south edge of cylinder in motor block, 1.60 feet above lsd. Highest water level 114.24 below lsd, Oct. 25, 1954; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52, 1954, 1956-61. Jan. 16, 115.13; Apr. 14, 115.30; July 14, 115.20; Oct. 17, 115.10.

8-34-1ba. (C) U.S.D.A. and Kansas Agricultural Experiment Station. Drilled unused water-table well in Ogallala Formation, depth 160 feet. Measuring point, top of casing, 0.27 foot above lsd. Highest water level 112.31 below lsd, May 27, 1954; lowest 114.67 below lsd, Oct. 13, 1959. Records available: 1947-61.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	113.80	113.72	113.58	113.52	113.41	113.37	113.40	113.97	114.26	114.03	114.01	.....
10	113.79	113.68	113.57	113.45	113.36	113.36	113.38	114.10	114.26	114.03	114.05	.....
15	113.71	113.73	113.54	113.52	113.43	113.39	113.55	114.09	114.26	114.05	114.23	114.43
20	113.67	113.70	113.43	113.46	113.39	113.33	113.62	114.05	114.20	113.96	114.21	.....
25	113.64	113.62	113.49	113.42	113.45	113.35	113.83	114.06	114.22	114.00	114.26	.....
30	113.68	.....	113.53	113.41	113.36	113.38	113.87	114.13	114.14	113.98	.....	.....
EOM	113.67	113.65	113.55	.....	113.38	.....	113.92	114.17	.....	113.93	.....	.....

TREGO COUNTY

14-21-33bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ 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: 1950-61. Mar. 16, 14.21; May 9, 14.45; June 27, 14.59; Sept. 19, 14.47.

14-22-26da. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 92 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.08 below lsd, Aug. 1, 1957; lowest 71.86 below lsd, Oct. 29, 1949. Records available: 1949, 1952-57, 1960-61. Mar. 16, 22.23; May 9, 22.46; June 27, 19.80; Sept. 19, 20.89.

14-22-36aa. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 74 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 26.82 below lsd, Dec. 5, 1960; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-61. Mar. 16, 27.93; May 9, 26.99; June 27, 27.13; Sept. 19, 27.04.

WALLACE COUNTY

12-40-14bba. (C) W. P. Kirkham. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth (remeasured 1961) 24 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: 1948-61. Jan. 17, 20.81; Apr. 12, 20.26; July 13, 20.32; Oct. 18, 20.27.

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 86.68 below lsd, Mar. 31, 1959; lowest 88.29 below lsd, Dec. 6, 1961. Records available: 1958-61. Mar. 7, 87.37; June 12, 87.70; Sept. 13, 88.11; Dec. 6, 88.29.

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 124.10 below lsd, Dec. 12, 1960. Records available: 1951, 1953-61. Mar. 7, 114.90; June 12, 116.30; Sept. 13, 117.60; Dec. 6, 118.39.

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, 1953-61. Mar. 7, 83.06; June 12, 83.72; Sept. 13, 85.15; Dec. 6, 84.30.

16-37-30ac. (C) H. E. Thurston. Drilled irrigation water-table well in Ogallala Formation, diameter 18 inches, depth 220 feet. Measuring point, hole in west side pump base, 0.30 foot above lsd. Highest water level 98.58 below lsd, Mar. 28, 1960; lowest 114.40 below lsd, Sept. 28, 1960. Records available: 1959-61. Mar. 7, 100.03; June 12, 104.55; Dec. 6, 104.70.

18-35-14dc. (C) A. H. Conrady. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 150 feet. Measuring point, hole in north side of pump base, 0.40 foot above lsd. Highest water level 79.74 below lsd, Apr. 11, 1951; lowest 97.93 below lsd, Sept. 13, 1961. Records available: 1951, 1958-61. Mar. 7, 84.60; June 12, 89.92; Sept. 13, 97.93; Dec. 6, 87.83.

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 93.95 below lsd, Dec. 13, 1960; lowest 97.35 below lsd, Apr. 26, 1950. Records available: 1947-61. Mar. 7, 94.75.

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. 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 1961.

WYANDOTTE COUNTY

101. (C) U.S.G.S. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 98 feet. Measuring point, top of casing, 1.60 feet above lsd. Highest water level 25.02 below lsd, July 11, 1945; lowest 44.55 below lsd, Dec. 31, 1948. Records available: 1944-48, 1950-57. Measurement discontinued.

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