

**GROUND-WATER LEVELS IN  
OBSERVATION WELLS  
IN KANSAS, 1960**

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

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BULLETIN 153

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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.*



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\*Intermittent employment only.

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# GROUND-WATER LEVELS IN OBSERVATION WELLS IN KANSAS, 1960

By  
MARGARET E. BROEKER AND V. C. FISHEL

## ABSTRACT

Measurements of water levels in 900 wells in 78 counties in Kansas in 1960 are given in this report, which is the fifth in a series of annual water-level reports to be published by the state. Records for part of the wells for years prior to 1956 have been published in an annual series of water-supply papers by the United States Geological Survey; records for some of the wells that are in the Missouri Basin have been issued in an annual series of mimeographed reports for the years 1947 through 1955; and records for some wells have been included in both reports.

Annual precipitation ranged from 48.77 inches at Chanute in southeastern Kansas to 11.52 inches at Tribune in western Kansas. Most of the state received above normal precipitation for the year, but the precipitation was below normal in a few local areas.

## 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 fifth of the series and contains the water-level measurements of 900 wells made during 1960. The four reports that have been published are as follows:

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

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 in 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 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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Branch Area Chief .....	T. G. McLaughlin
STATE GEOLOGICAL SURVEY	
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South-central Kansas .....	J. M. Street
Southwestern Kansas .....	G. M. Vincent
CITY OF WICHITA, WATER-SUPPLY DIVISION	
Director .....	R. H. Hess
Hydrologist .....	G. J. Stramel
Superintendent of well field .....	S. A. Smith

The results of the cooperative ground-water studies in Kansas have been published as bulletins by the State Geological Survey. Since the program was started in 1937 the studies have included all or parts of 81 counties (Fig. 1). Reports published during 1960 described the ground-water resources of Harper County (Bayne), Kingman County (Lane), Gove County (Hodson and Wahl), and Douglas County (O'Connor).

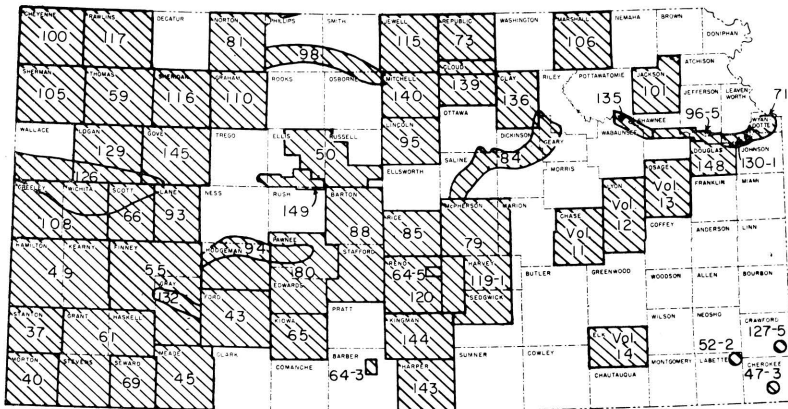


FIG. 1.—Areas in Kansas for which ground-water reports have been published as bulletins by the State Geological Survey. (Numbers on map correspond to bulletin numbers).



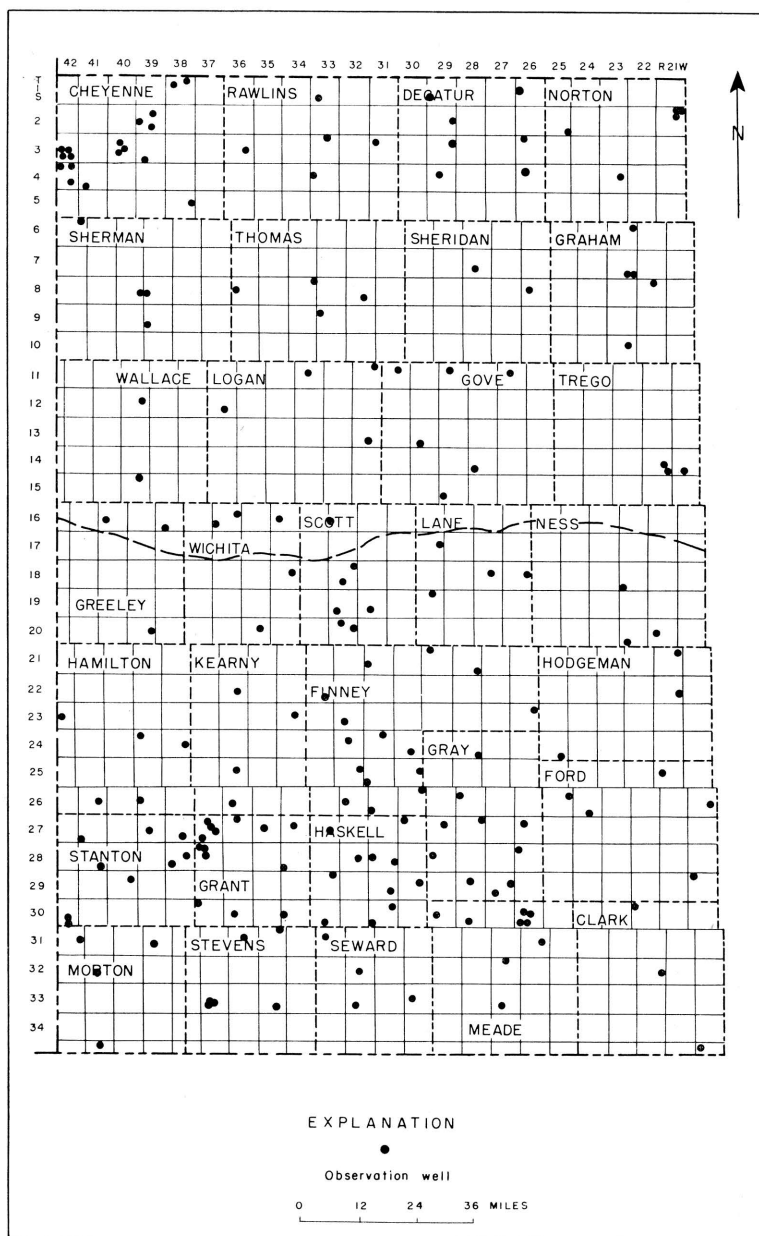


FIG. 2.—Observation wells in western Kansas, December 31, 1960. Dashed line separates Missouri Basin above from Arkansas Basin below.

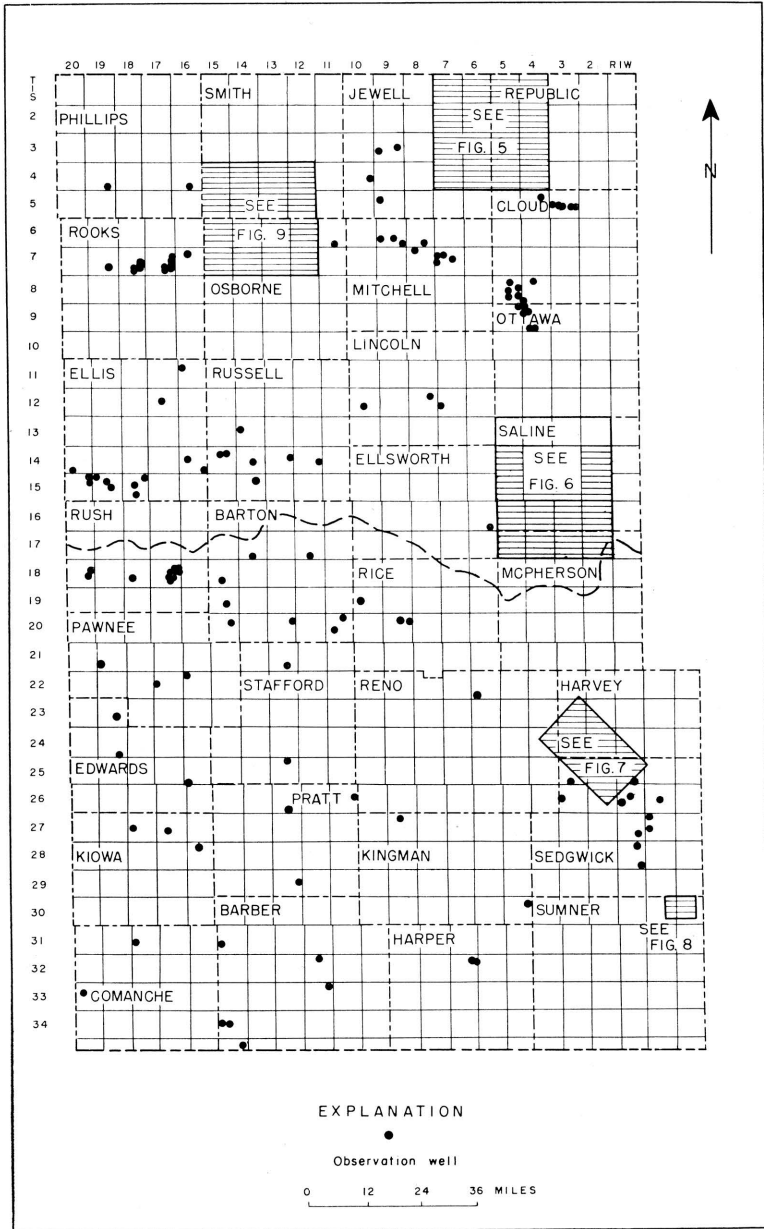


FIG. 3.—Observation wells in central Kansas, December 31, 1960. Dashed line separates Missouri Basin above from Arkansas Basin below.

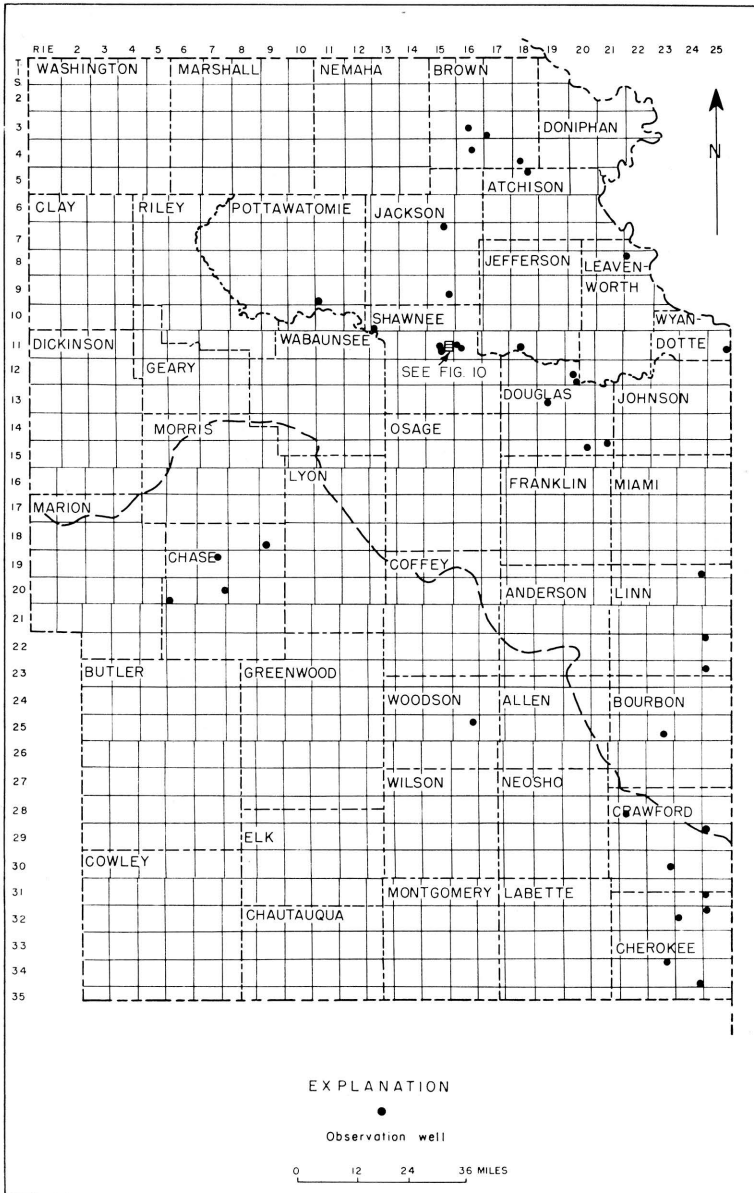


FIG. 4.—Observation wells in eastern Kansas, December 31, 1960. Dashed line separates Missouri Basin above from Arkansas Basin below.

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 wells in the Anthony well field were submitted by C. W. Atchison, Water Superintendent. Measure-

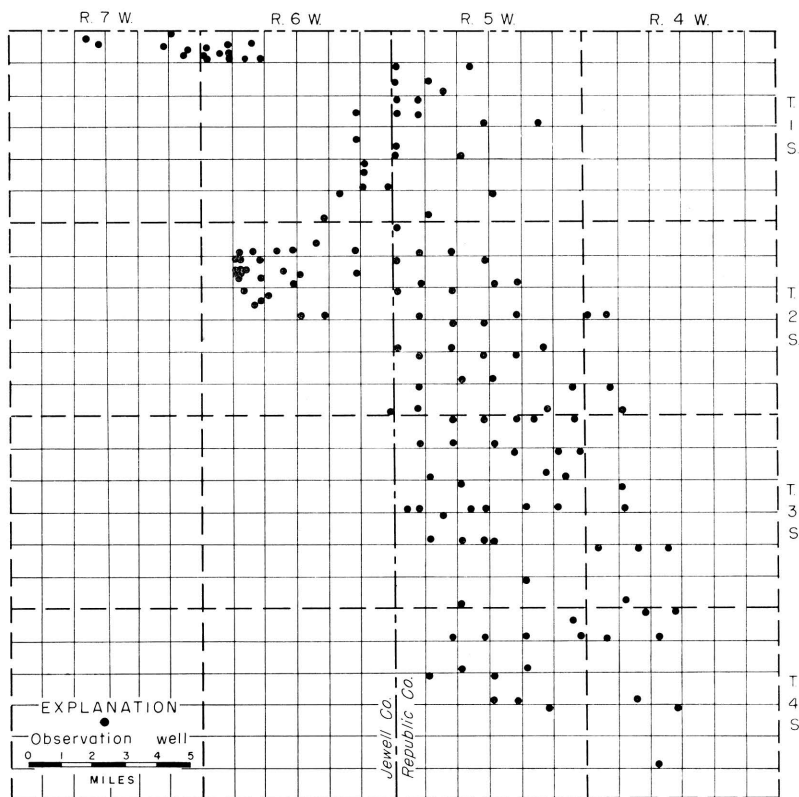


FIG. 5.—Observation wells in Bostwick unit in Jewell and Republic Counties, December 31, 1960.

ments of the water levels in wells in the Almena, Bostwick, and St. Francis Units of the Missouri Basin program were made by the Bureau of Reclamation under the direction of Paul H. Berg, Project Manager, Kansas River Projects Office. The other wells were observed by members of the Federal and State Geological Surveys.

#### SCOPE OF THE WATER-LEVEL PROGRAM

At the end of 1960 the water levels in 853 wells in 77 counties were being observed. During 1960, 82 wells were added to the observation-well network and measurements were discontinued in 47 wells. Eleven wells were equipped with continuous water-level recorders; some wells were observed weekly, some monthly, some quarterly, and some annually. The distribution of the wells

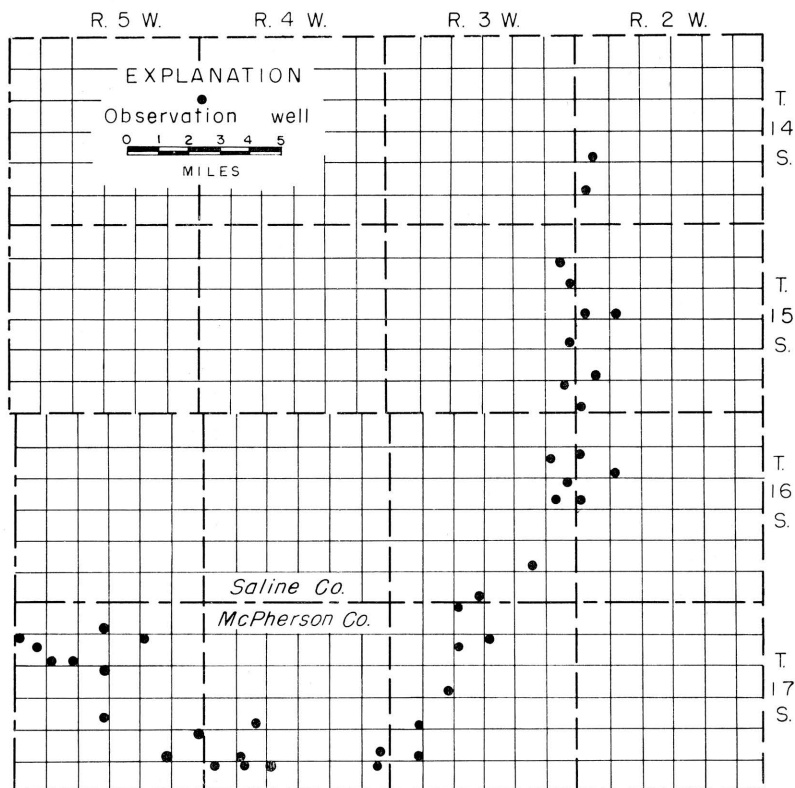


FIG. 6.—Observation wells in Kanopolis unit in Saline and McPherson Counties, December 31, 1960.

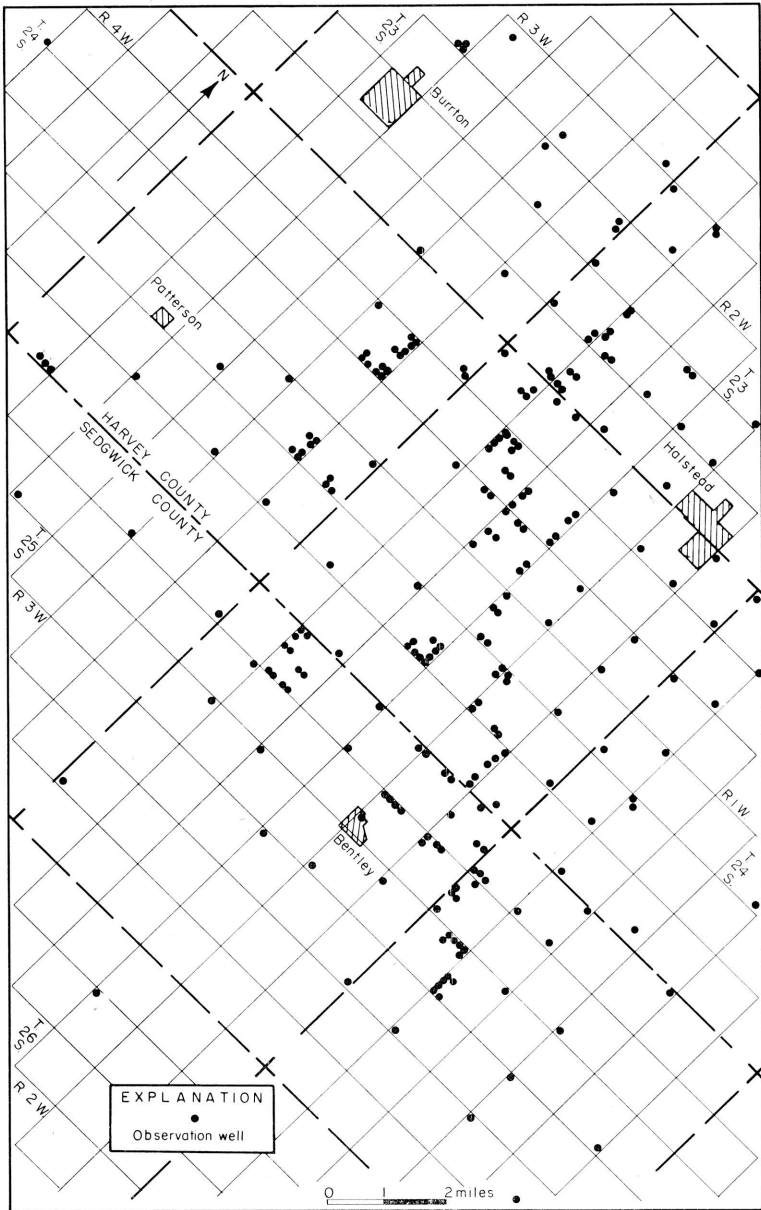


FIG. 7.—Observation wells in Equus-beds area, Harvey and Sedgwick Counties, December 31, 1960.

by counties is given in Table 2 and is shown in Figures 2 to 10 inclusive. In six areas in central Kansas the wells are too closely spaced to show on the areal map in Figure 3, and hence these areas are shown enlarged in Figures 5, 6, 7, 8, 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 1960 are given in this report. The areas included in the Missouri Basin program are given in Table 3.

### WELL-NUMBERING SYSTEMS

Most wells are numbered either serially within counties or in accordance with the Bureau of Land Management system of land subdivision. In the location system the first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the

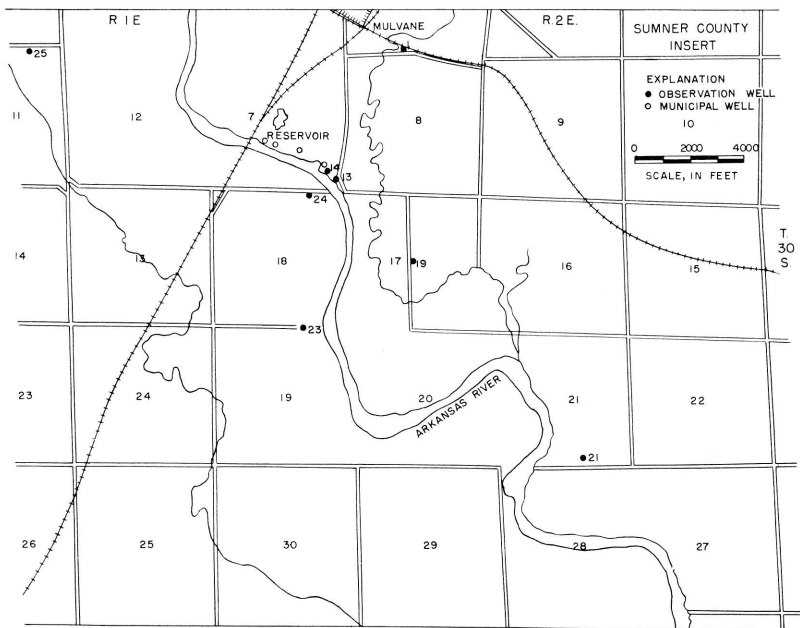


FIG. 8.—Observation wells near Mulvane, Sumner County, December 31, 1960.

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 ground-water 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(1960) indicates a replacement in 1960 for the original municipal well of that number. The suffix letter b

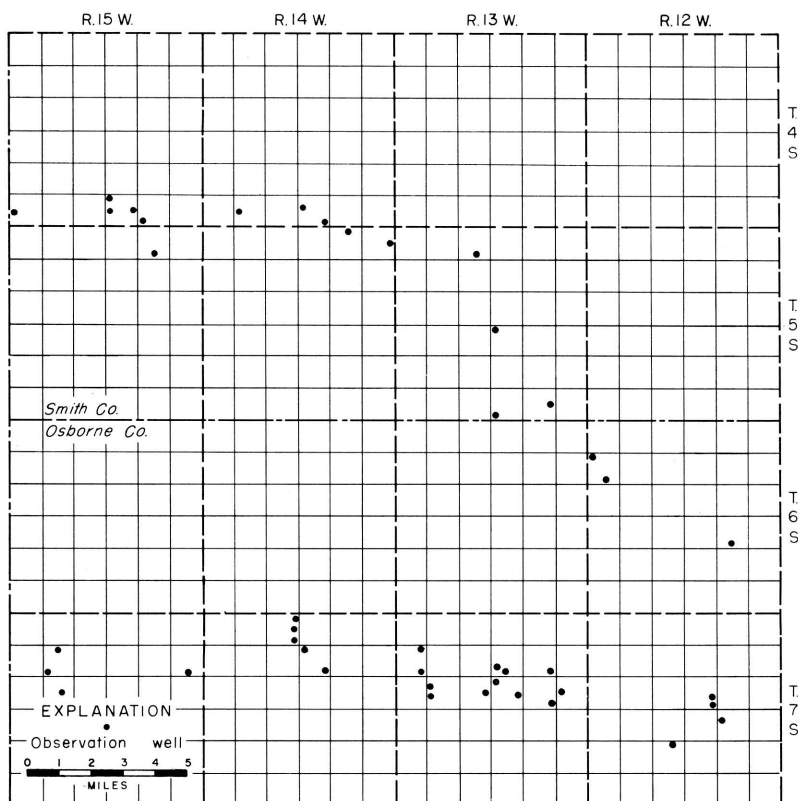


FIG. 9.—Observation wells in Smith and Osborne Counties, December 31, 1960.



TABLE 2.—*Number of observation wells in Kansas at the end of 1960.*

County	Missouri Basin	Arkansas Basin	Observer <sup>a</sup>
Atchison	1	..	GS
Barber	..	6	KSBA
Barton	..	8	KSBA
Bourbon	1	..	GS
Brown	4	..	GS
Chase	..	4	GS
Cherokee	..	5	GS
Cheyenne	18	..	BR and KSBA
Clark	..	3	KSBA
Cloud	13	..	BR
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	..	14	KSBA
Gray	..	10	KSBA
Greeley	2	1	KSBA
Hamilton	..	5	KSBA
Harper	..	2	A
Harvey	..	162	W
Haskell	..	11	KSBA
Hodgeman	..	3	KSBA
Jackson	2	..	GS
Jefferson	1	..	GS
Jewell	56	..	BR and GS
Kearny	..	4	KSBA
Kingman	..	2	KSBA
Kiowa	..	3	KSBA
Lane	..	4	KSBA
Leavenworth	1	..	GS
Lincoln	3	..	GS
Linn	3	..	GS
Logan	4	..	KSBA
McPherson	23	..	GS
Meade	..	9	KSBA
Mitchell	9	..	GS
Morton	..	4	KSBA
Ness	..	3	KSBA
Norton	5	..	GS and KSBA
Osborne	29	..	GS
Ottawa	6	..	GS and BR
Pawnee	..	3	KSBA

TABLE 2.—Number of observation wells in Kansas at the end of 1960 (conc.).

County	Missouri Basin	Arkansas Basin	Observer*
Phillips	2	..	GS
Pottawatomie	1	..	GS
Pratt	..	3	KSBA
Rawlins	5	..	KSBA
Reno	..	1	KSBA
Republic	99	..	BR
Rice	..	3	KSBA
Rooks	13	..	KSBA
Rush	..	11	KSBA
Russell	7	..	KSBA
Saline	18	..	GS
Scott	..	7	KSBA
Sedgwick	..	84	W, KSBA, GS
Seward	..	4	KSBA
Shawnee	21	..	KSBA and GS
Sheridan	2	..	KSBA
Sherman	4	..	KSBA
Smith	15	..	GS
Stafford	..	2	KSBA
Stanton	..	9	KSBA
Stevens	..	6	KSBA
Sumner	..	8	GS
Thomas	4	..	KSBA
Trego	3	..	GS and BR
Wallace	2	..	KSBA
Wichita	3	2	KSBA
Woodson	..	1	GS
Wyandotte	1	..	GS
Total	419	434	

\*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 the Missouri Basin program.

Unit	Valley	Counties	Number of wells being measured at end of 1960
Almena	Prairie Dog Creek	Norton and Phillips	3
Bostwick	Republican River	Jewell, Republic, and Cloud	157
Cedar Bluff	Smoky Hill River	Ellis and Trego	14
Glen Elder	Solomon River	Mitchell	9
Kanopolis	Smoky Hill River	Saline, McPherson, and Ellsworth	42
Kirwin	North Fork Solomon River	Smith, Phillips, and Osborne	20
Webster	South Fork Solomon River	Osborne	33
Wilson	Saline River	Lincoln	3
St. Francis	South Fork Republican River	Cheyenne	16
Total			297

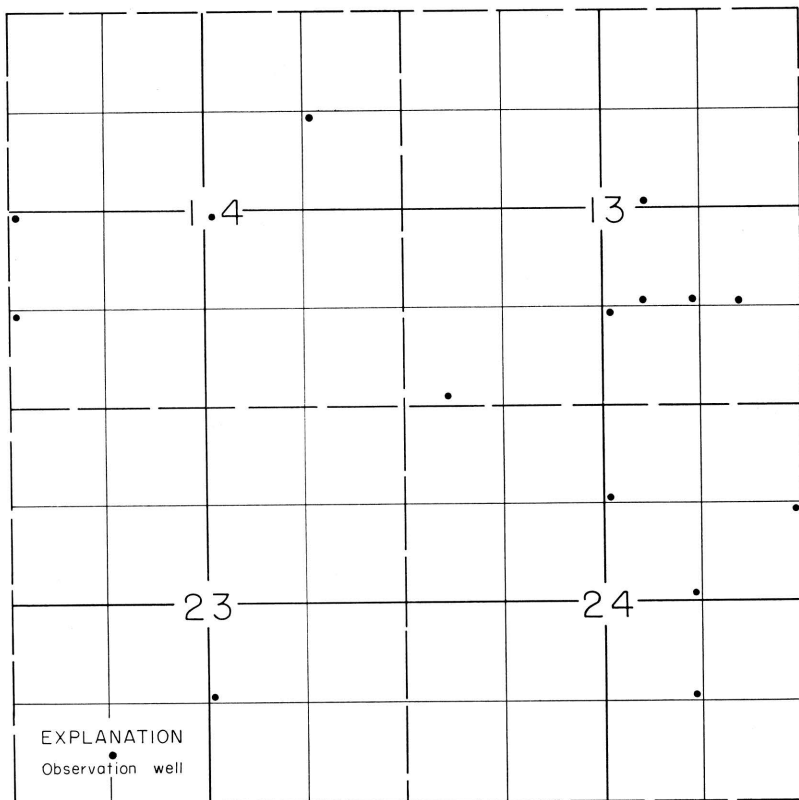


FIG. 10.—Map of sections 13, 14, 23, and 24, T. 11 S., R. 15 E., Shawnee County, showing location of observation wells, December 31, 1960.

designates a shallow observation well near 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 1960. Annual precipitation in the state ranged from 48.77 inches at Chanute in Neosho County in southeastern Kansas to 11.52 inches at Tribune in Greeley County in western Kansas.

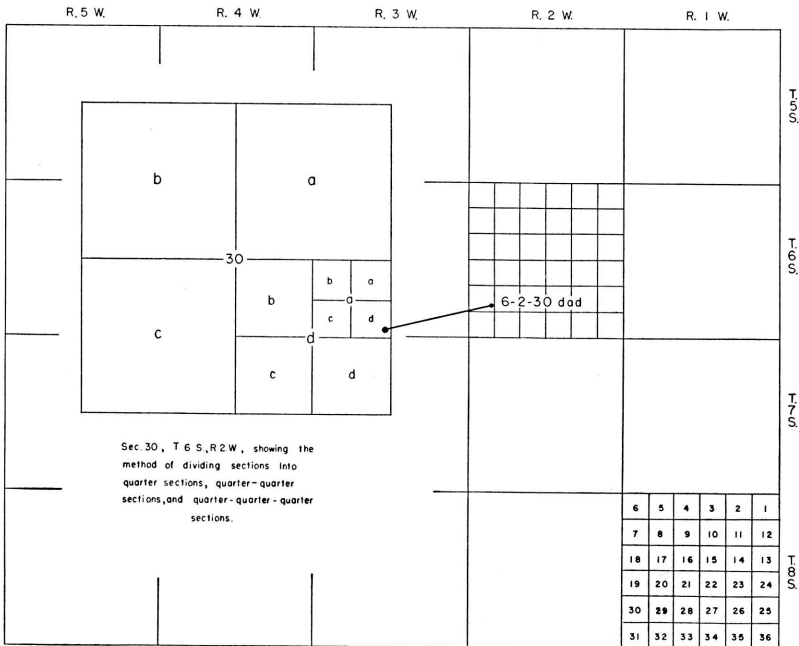


FIG. 11.—Sketch of Cloud County illustrating well-numbering system based on land-classification system.

The precipitation in Kansas for 1960 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 amount of precipitation in 1960 was about normal or slightly above normal (Fig. 13). 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 1960 of climatological data are as follows:

Division	Average precipitation, inches	Departure, inches
Northwest	20.63	1.13
North Central	27.75	2.70
Northeast	31.94	-1.11
West Central	19.01	.10
Central	29.25	3.65
East Central	36.05	.45
Southwest	19.33	1.81
South Central	27.92	2.51
Southeast	37.36	.59

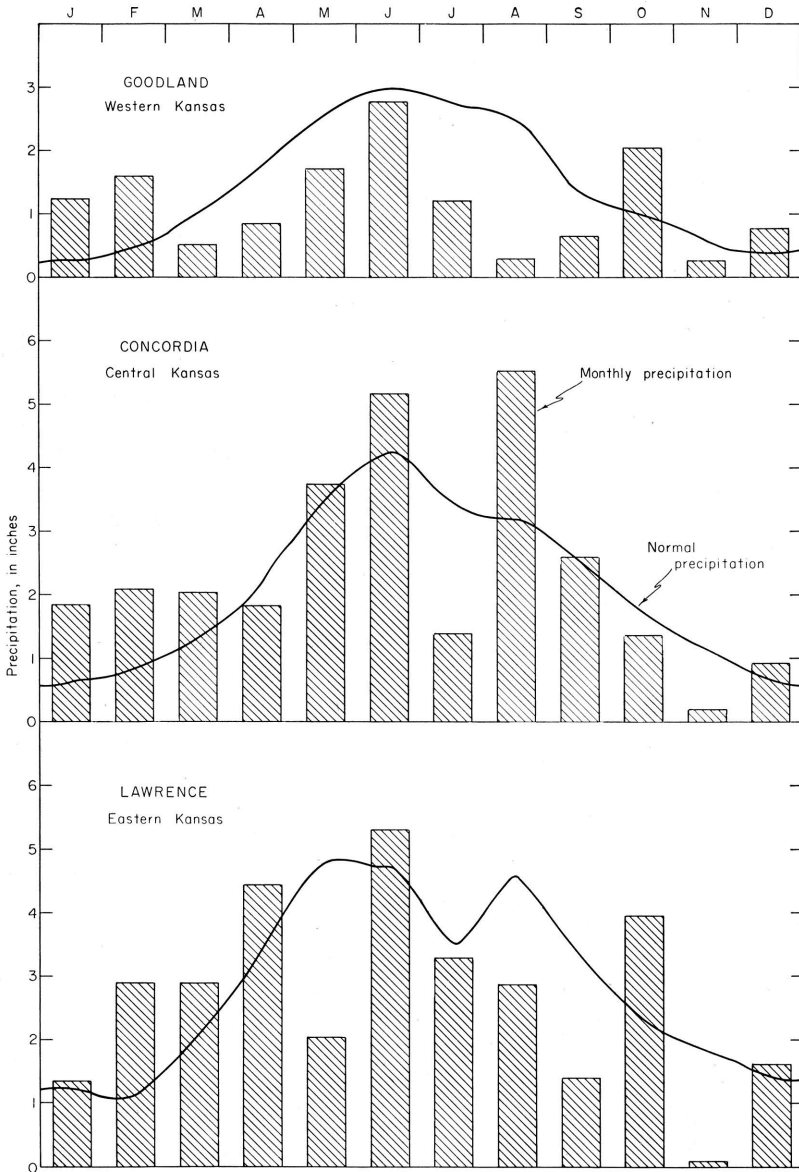


FIG. 12.—Monthly precipitation during 1960 and normal monthly precipitation at Goodland, Concordia, and Lawrence. Data from reports of U. S. Weather Bureau.

The average precipitation was slightly above normal in all divisions except the northeast division. At Goodland in the northwest division the precipitation was 4.31 inches below normal, but the precipitation recorded at Goodland (13.92 inches) represents a small local area. The 20-inch isoline crosses the northeast part of Sherman County about 15 miles northeast of Goodland.

Figure 14 shows the annual precipitation and the cumulative departure from normal precipitation at Goodland, Concordia, and Lawrence for the 25-year period 1936 to 1960. Since 1936 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 1936.

### 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

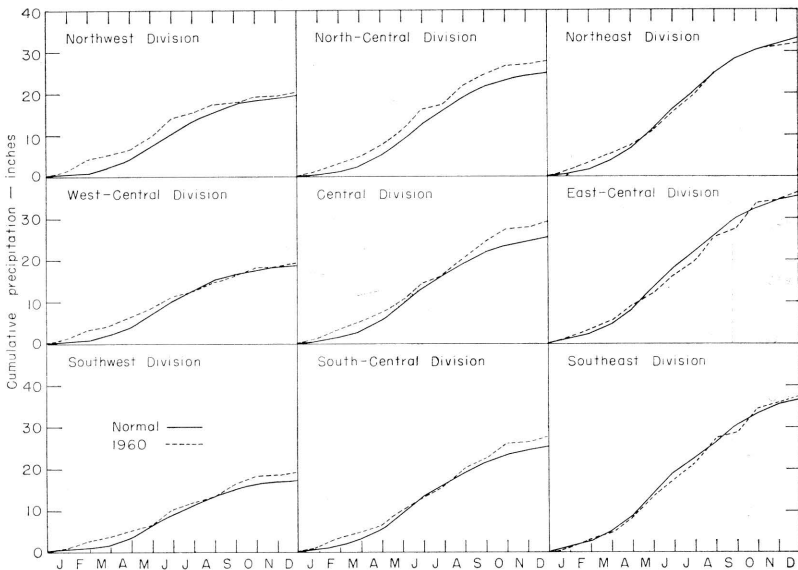


FIG. 13.—Cumulative normal precipitation and cumulative precipitation for 1960 in nine segments of Kansas. Illustration provided by H. L. Mackey, Division of Water Resources.

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,

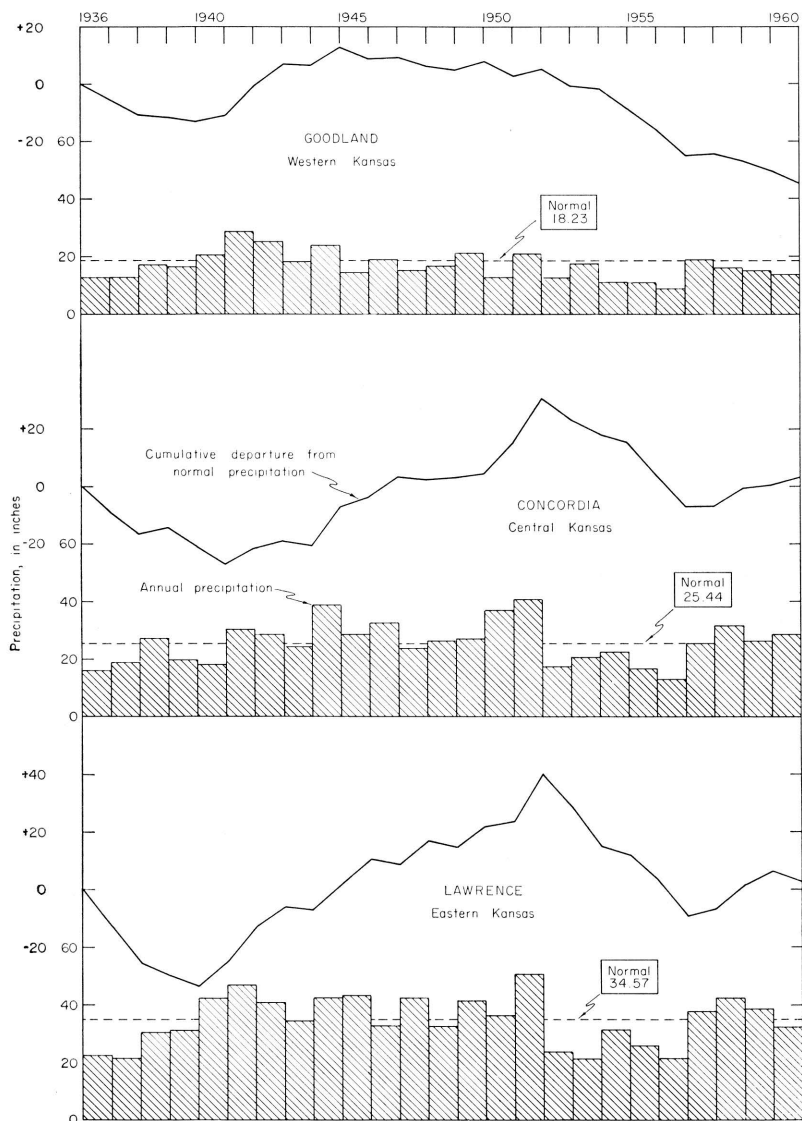


FIG. 14.—Annual precipitation and cumulative departure from normal precipitation for 25-year period 1936 through 1960 at Goodland, Concordia, and Lawrence. Data from reports of U. S. Weather Bureau.

and declines when the discharge exceeds the recharge. Thus, changes in the water levels in wells indicate to what extent the ground-water reservoir is being depleted or replenished.

The relation between the amount of precipitation and the level at which the water stands in wells is complicated by several factors. During a long dry period, the soil moisture becomes depleted through evaporation and transpiration, and when a rain occurs the soil moisture must be replenished before any water can descend to the water table. During the winter, when the ground is frozen, the water falling on the surface is hindered from reaching the water table, and during the hot summer, some of the water that falls as rain is lost directly into the air by evaporation. Where the water table stands comparatively far below the surface,

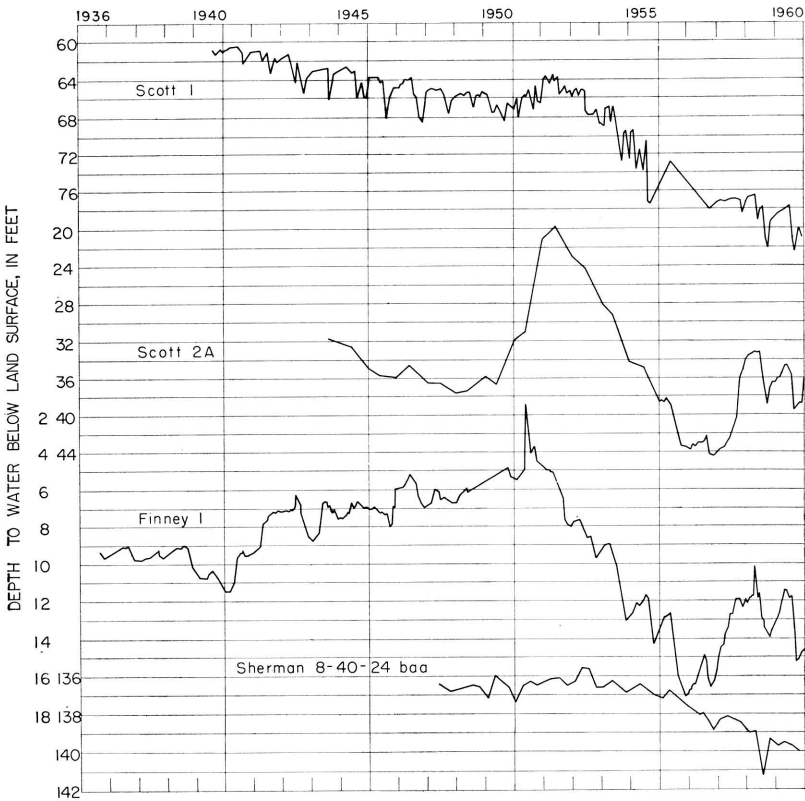


FIG. 15.—Hydrographs of four wells in Finney, Scott, and Sherman Counties.



it fluctuates less in response to precipitation than it does where it is comparatively near the surface.

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

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

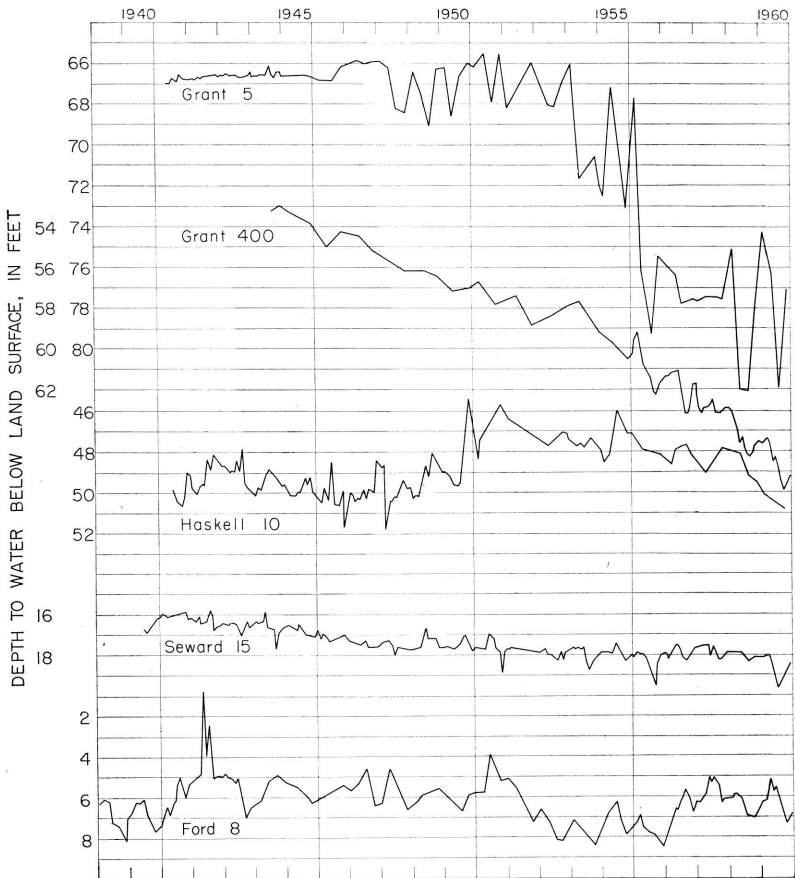


FIG. 16.—Hydrographs of five wells in Ford, Grant, Haskell, and Seward Counties.

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 15, 16, and 17. The changes in water levels in selected observation wells at approximately 5-year intervals are shown for 9 counties in southwestern Kansas in Figures 18 to 22, inclusive.

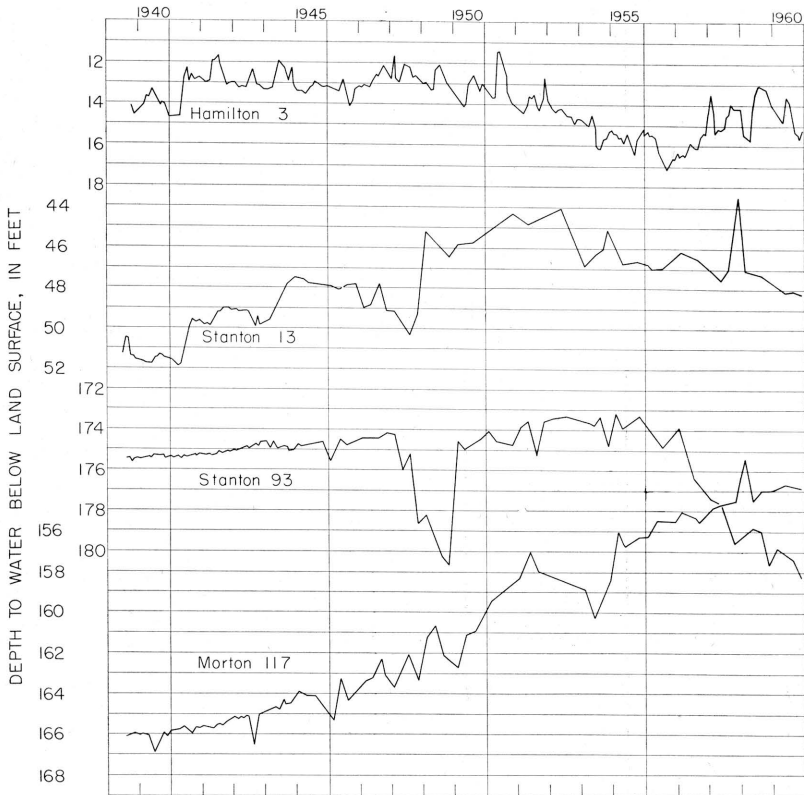


FIG. 17.—Hydrographs of four wells in Hamilton, Morton, and Stanton Counties.

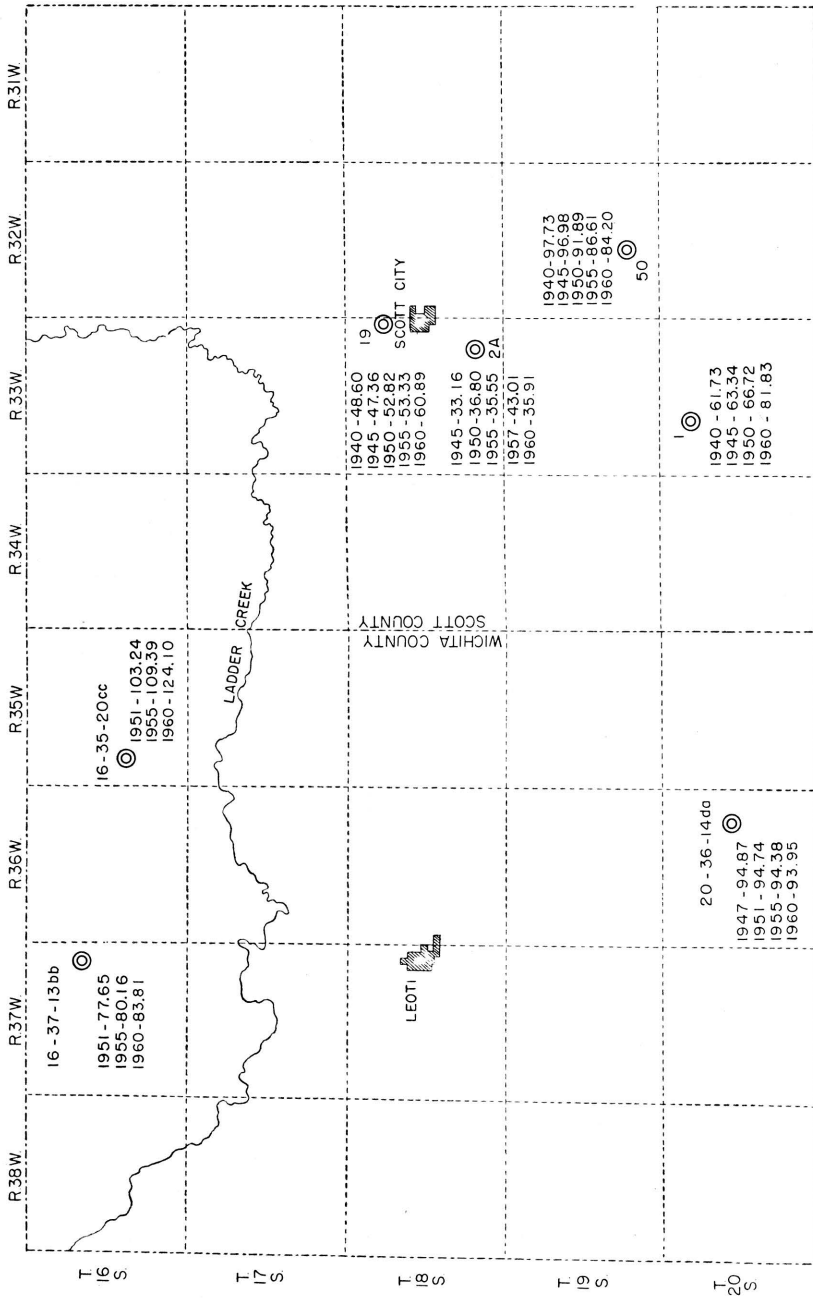


Fig. 18.—Depth to water in selected observation wells in Scott and Wichita Counties.

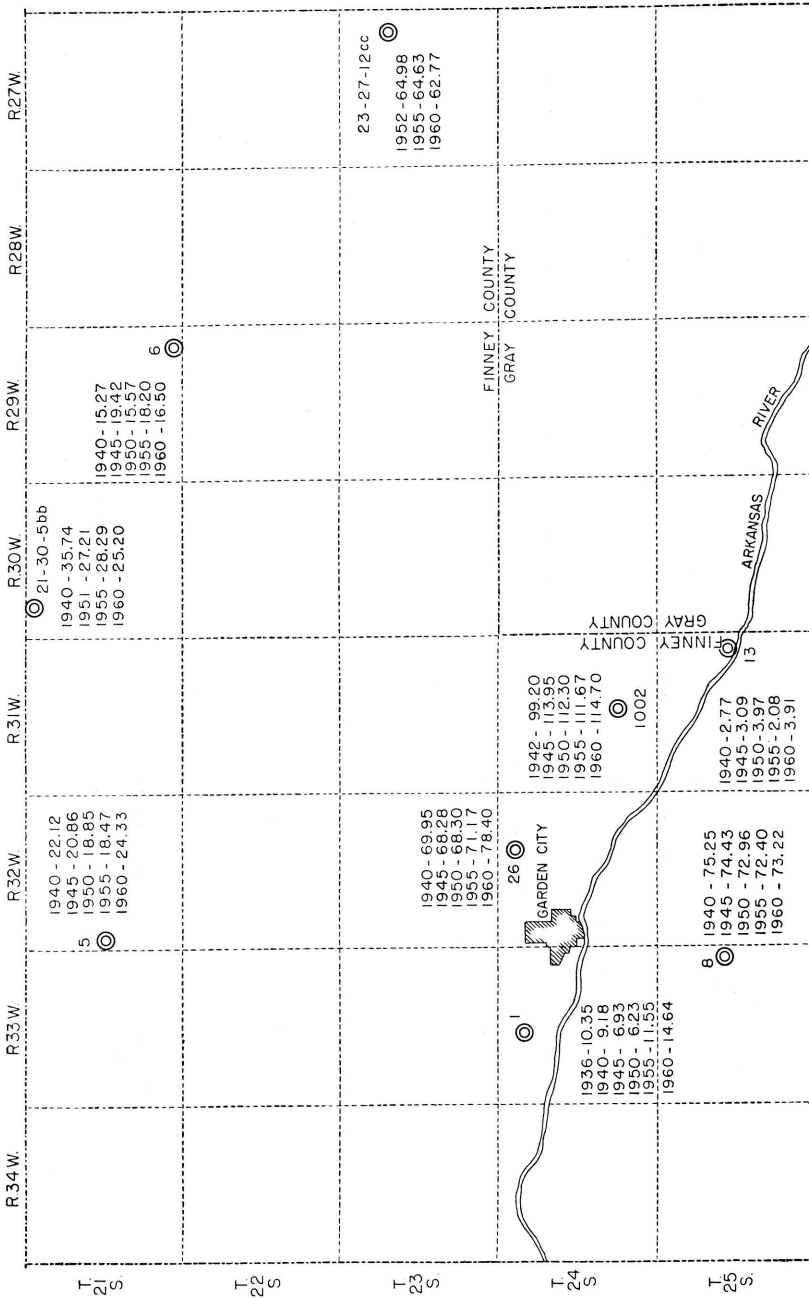


Fig. 19.—Depth to water in selected observation wells in Finney County.

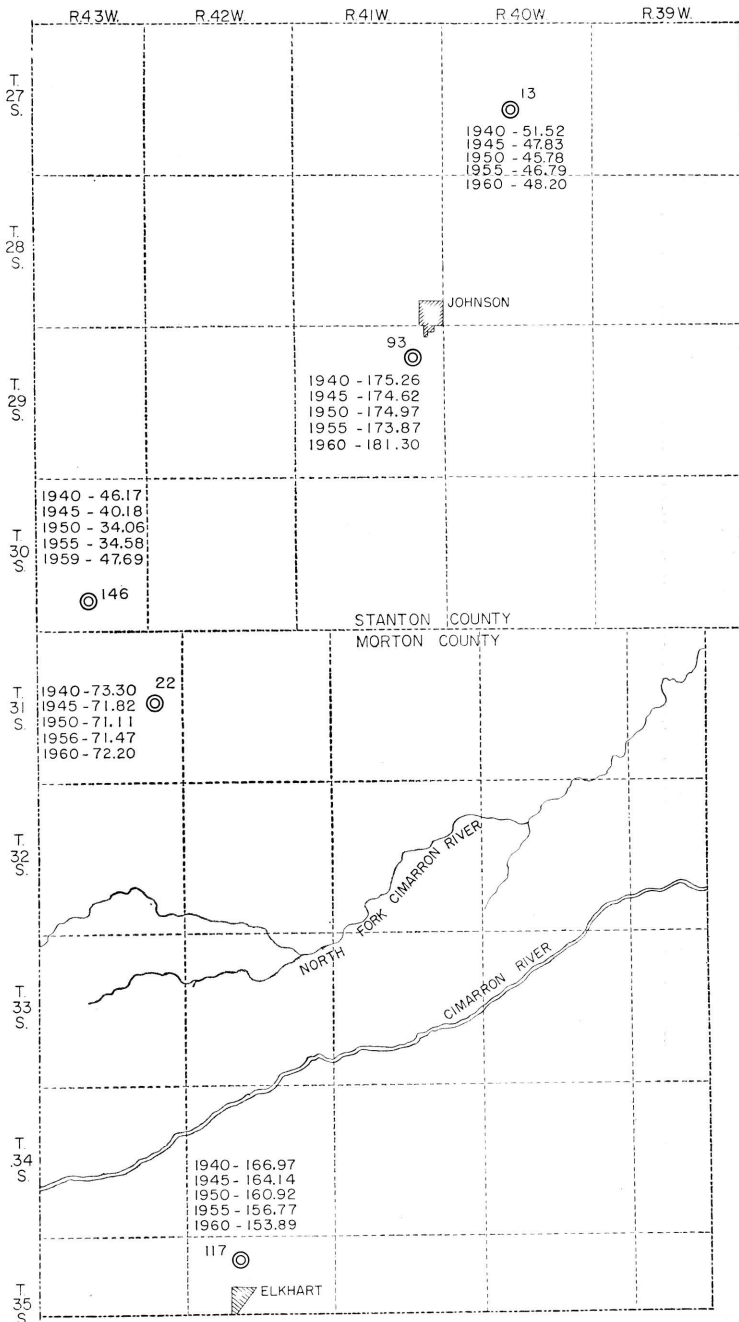


FIG. 20.—Depth to water in selected observation wells in Morton and Stanton Counties.

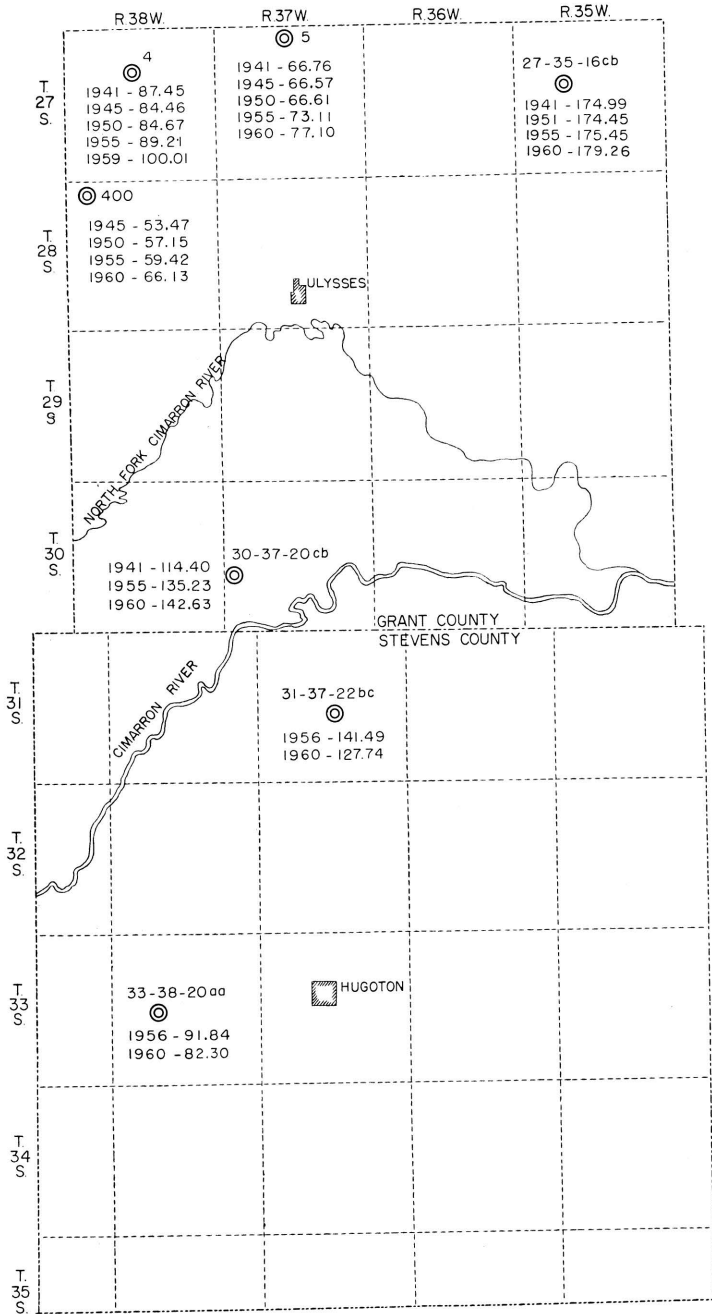


FIG. 21.—Depth to water in selected observation wells in Grant and Stevens Counties.

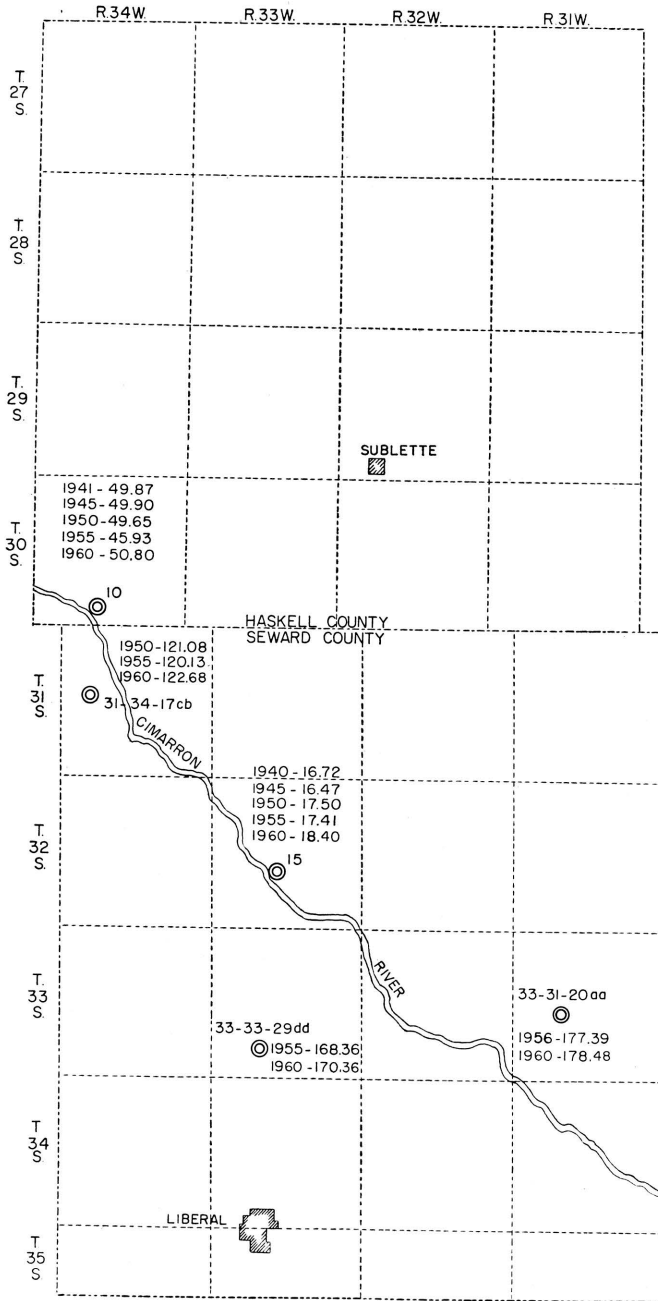


FIG. 22.—Depth to water in selected observation wells in Haskell and Seward Counties.

The precipitation was about normal in western Kansas during 1960, 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 1 well, and had no net change during the year in 3 wells. The average decline of the water level in 9 wells was about 1.5 feet and ranged from 4.0 feet in well 5 in Grant County to 0.5 foot in well 6 in Ford County and well 13 in Stanton County. The water level in well 3 in Hamilton County rose 0.2 foot.

CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figures 23 and 24. Figure 23 gives the hydrograph of a well in Mitchell County and hydrographs of three wells in south-central

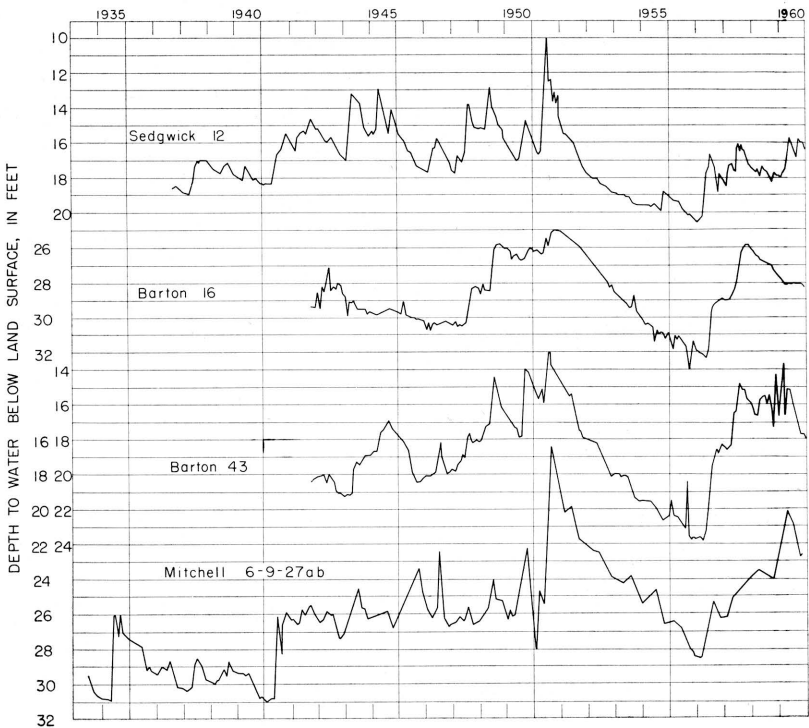


FIG. 23.—Hydrographs of four wells in Barton, Mitchell, and Sedgwick Counties.



Kansas; two of the latter are in Barton County and one is in Sedgwick County. Figure 24 gives the hydrograph of four wells in the Wichita well-field area in Harvey and Sedgwick Counties.

Most ground-water levels in central Kansas declined during 1960. The water levels in three wells for which hydrographs are shown in Figure 23 had an average net decline of about 0.9 foot. The water level in well 12 in Sedgwick County rose 1.4 feet dur-



FIG. 24.—Hydrographs of four wells in Harvey and Sedgwick Counties.

ing the year, but at the end of 1960 it was about 2.2 feet higher than in 1937 when measurements started.

Pumping for municipal supply in the Equus-beds area was begun in 1940 by the City of Wichita. The large decline of the water level in this area 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, 1960, is shown in Figure 25. The total area affected by the municipal pumping at the end of 1960 was about 70 square miles. The water level declined more than 10 feet in an area of 40 square miles, more than 20 feet in an area of 2.5 square miles, and more than 24 feet in

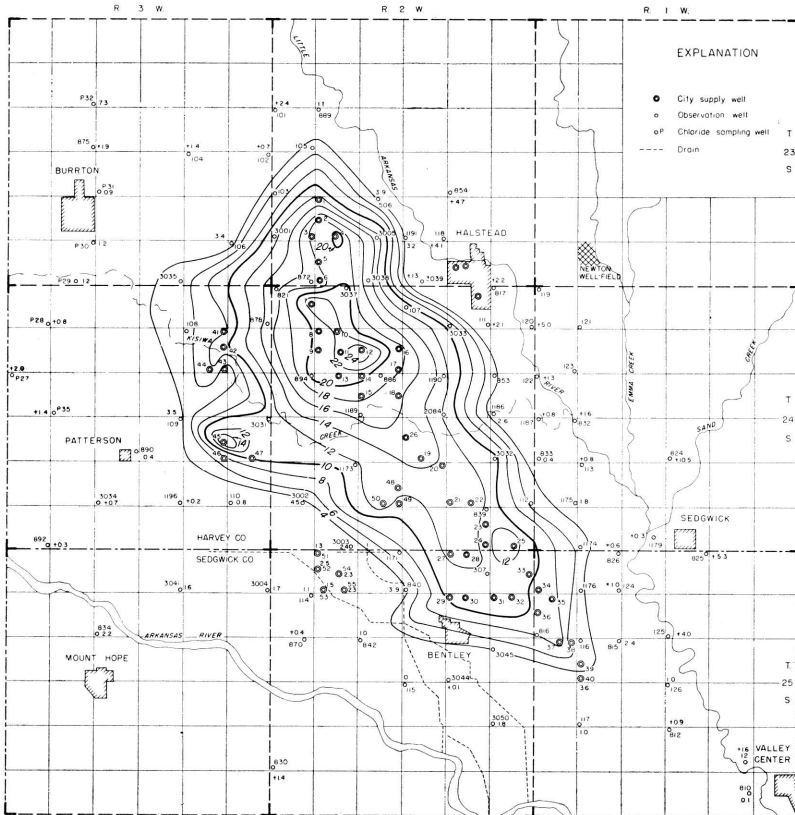


FIG. 25.—Map of Wichita well field in Equus-beds area showing lines of equal change in water level from August 30, 1940, to December 31, 1960.

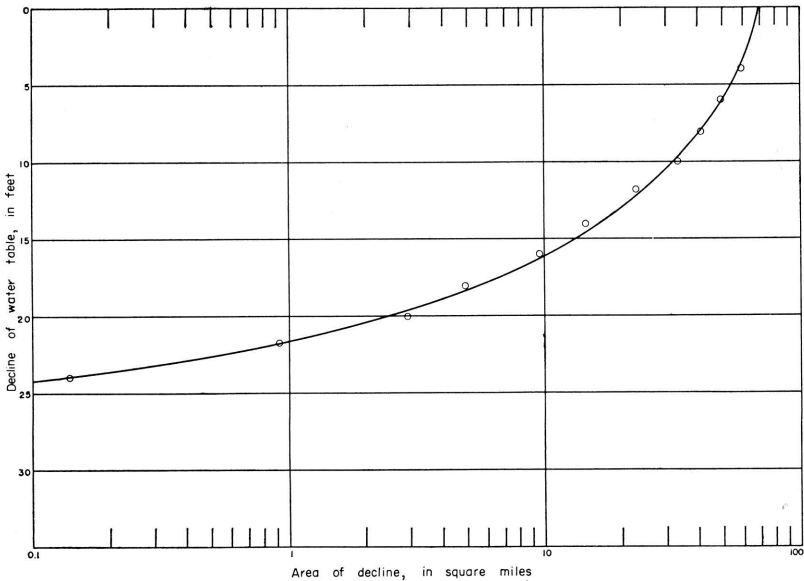


FIG. 26.—Area of decline of water table in Wichita well-field area from September 1940 to December 31, 1960.

an area of about 0.2 square mile. The maximum decline was about 24 feet. The areal decline of the water table from 1940 through 1960 is shown graphically in Figure 26.

#### EASTERN KANSAS

The water table in eastern Kansas was seriously affected by the drought from 1952 through 1956. Water levels were at record high stages in 1951 and then generally declined until the spring of 1957. During the drought years there were occasional periods of a few months when the water table rose a small amount. Changes in ground-water levels in eastern Kansas are shown in Figure 27 by hydrographs of one well in Douglas County and one well in Shawnee County. The water levels began an upward trend during the spring of 1957 and continued this upward trend during 1958. The precipitation during 1959 and 1960 was about normal; during 1959 the water levels declined an average of about 1.3 feet in these two wells. During 1960 the water levels had an average seasonal rise of about 2.0 feet, 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. At

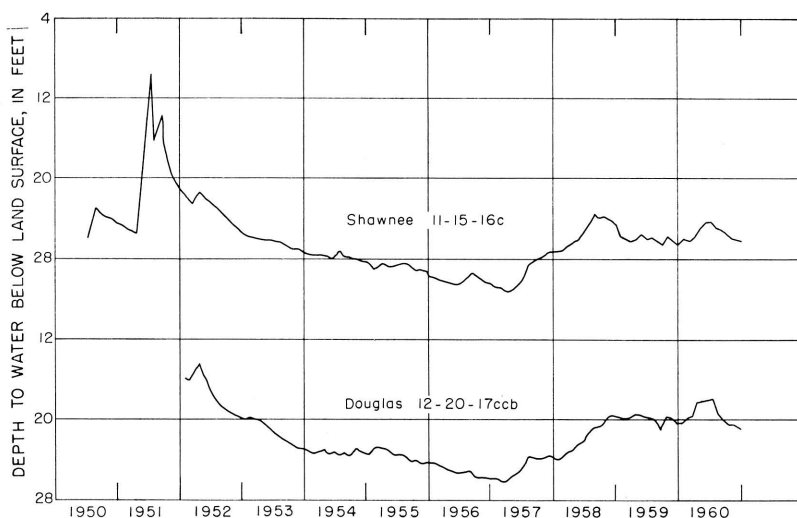


FIG. 27.—Hydrographs of two wells in Douglas and Shawnee Counties.

the end of 1960 the water level in well 11-15-16c was at about the same level as when measurements were started in 1950, but was about 5 feet higher than during the spring of 1957.

### RECORDS OF WATER LEVELS

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

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

Well number as described on page 14 (19-7-10da); Missouri Basin well or Cooperative well (MB or C); owner (Herbert T. Drake); type of well (dug unused water-table well); geologic formation (alluvium); diameter (42 inches); depth (24 feet); casing (cribbed with rock); description of measuring point (top of concrete curbing, 1.00 foot above land-surface datum); highest water level during period of record (3.19 below land-surface datum, July 24, 1951); lowest water level during period of record (20.23 below land-surface datum, Feb. 16, 1957); period of rec-

ord during which measurements have been made (1948 to 1960); measurements during 1960 (Feb. 9, 6.00; Sept. 2, 11.35; Dec. 20, 8.11).

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

#### ATCHISON COUNTY

5-18-3dd. (C) \* Lee Savage. Dug unused water-table well in glacial deposits, diameter 36 inches, depth 10 feet, cribbed with rock. Well is down gradient from a pond. Measuring point, top boards over well, 0.30 foot above lsd. Highest water level 0.39 below lsd, Sept. 27, 1951; lowest 5.22 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57, 1960. May 24, 1.80; July 29, 4.35; Sept. 29, 2.02.

6-21-32d. (C) L. A. Walker. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 13 feet, cribbed with rock. Measuring point, top boards over well at center, 0.90 foot above lsd. Highest water level 3.19 below lsd, Apr. 15, 1949; lowest dry, Oct. 27, 1956. Records available: 1948-52, 1956-57. Measurement discontinued.

#### BARBER COUNTY

1. (C) D. S. Shaw. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 19, T. 31 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 8 to 6 inches, depth 97 feet. Measuring point, top of well cover, 1.05 feet above lsd. Highest water level 56.40 below lsd, June 20, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-60. Jan. 25, 74.96; Apr. 19, 74.26; July 18, 74.93; Oct. 17, 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 42 feet. Measuring point, top south side of pump base, 0.80 foot above lsd. Highest water level 12.50 below lsd, June 22, 1949; lowest 19.10 below lsd, Sept. 19, 1956. Records available: 1940-60. Jan. 25, 16.03; Apr. 19, 15.10; July 18, 15.64; Oct. 17, 16.66.

5. (C) R. Kenney. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 1, T. 33 S., R. 12 W. Dug stock water-table well in alluvium, diameter 24 inches, depth 35 feet, cribbed with stone. Measuring point, top north side of curb, 0.90 foot above lsd, since April 1958. Highest water level 16.97 below lsd, June 24, 1957; lowest 30.15 below lsd, Sept. 24, 1941. Records available: 1940-60. Jan. 25, 18.50; Apr. 19, 19.39; July 18, 19.30; Oct. 17, 18.14.

8. (C) P. Brack. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 17, T. 34 S., R. 15 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 22 feet, cribbed with brick. Measuring point, top north side of brick curb, 0.60 foot above lsd. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 21.01 below lsd, Apr. 3, 1957. Published measurements of June 24, Sept. 17, Dec. 11, 1957; Mar. 24, Apr. 24, July 23, 1958; Jan. 22, Apr. 20, July 22, Oct. 20, 1959, should all be

\* (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.

corrected by subtracting 0.10 foot. Records available: 1940-60: Jan. 25, 16.09; Apr. 19, 12.99; July 18, 14.97; Oct. 17, 16.21.

9. (C) V. D. Wells. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 34 S., R. 15 W. Driven unused water-table well in alluvium, diameter 1 inch, depth 11 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-60. Jan. 25, 1.90; Apr. 19, 1.60; July 18, 2.11; Oct. 17, 2.19.

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: 1940-60. Jan. 25, 106.08; Apr. 19, 104.70; Oct. 17, 104.74.

BARTON COUNTY

1. (C) F. Panning. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 3, T. 20 S., R. 11 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 12 feet. Measuring point, top edge of pipe, 0.40 foot above lsd. Highest water level 0.30 above lsd, June 26, 1951; lowest 6.74 below lsd, Dec. 12, 1956. Records available: 1942-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	4.78	Apr. 18	2.56	July 21	4.12	Oct. 19	6.20
Mar. 1	4.01	May 19	3.32	Aug. 22	4.60	Nov. 21	5.79
21	3.92	June 22	3.30	Sept. 21	4.99	Dec. 21	5.30

16. (C) Teichmann. NE $\frac{1}{4}$  SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 12, T. 20 S., R. 13 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth 49 feet. Measuring point, top northwest side of casing, 1.10 feet above lsd. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 33.14 below lsd, Sept. 14, 1956. Records available: 1942-60.

Jan. 21	27.80	Apr. 18	28.12	July 20	28.04	Oct. 19	28.11
Mar. 1	27.98	May 19	28.07	Aug. 22	28.08	Nov. 21	28.15
21	28.07	June 21	28.07	Sept. 21	28.08	Dec. 21	28.26

43. (C) M. Hagen. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 20 S., R. 11 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth 46 feet. Measuring point, top west edge of casing, 0.50 foot above lsd. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 33.98 below lsd, Nov. 19, 1952. Records available: 1942-60.

Jan. 21	16.18	Apr. 18	15.10	July 21	16.00	Oct. 19	17.70
Mar. 1	13.64	May 19	15.15	Aug. 22	16.77	Nov. 21	17.74
21	16.59	June 22	15.42	Sept. 21	17.37	Dec. 21	17.94

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: 1944-60. Apr. 18, 31.43; May 19, 31.60; July 21, 31.62; Sept. 21, 32.72; Nov. 21, 31.46; Dec. 20, 32.23.

103. (C) F. Konarek. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 33, T. 17 S., R. 12 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth 25 feet. Measuring point, top east edge of casing, 0.40 foot above lsd. Highest water level 0.25 below lsd, Aug. 29, 1950; lowest 8.28 below lsd, Feb. 18, 1957. Records available: 1944-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3.79	Apr. 18	1.73	July 21	3.68	Oct. 19	2.81
Mar. 1	3.89	May 19	3.09	Aug. 22	4.37	Nov. 21	3.46
21	2.56	June 22	2.64	Sept. 21	4.06	Dec. 21	3.37

107. (C) Carter Oil Co. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 10, T. 17 S., R. 11 W. Drilled unused water-table well in Dakota Formation, diameter 6 inches, depth 168 feet. Measuring point, top west edge of casing, 0.20 foot above lsd. Highest water level 95.67 below lsd, May 21, 1952; lowest 102.80 below lsd, Nov. 20, 1956. Records available: 1944-60. Jan 21, 97.89; Mar. 1, 97.81; Apr. 18, 96.09; May 19, 97.13. Measurement discontinued.

109. (C) J. C. Cook. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 28, T. 18 S., R. 15 W. Drilled unused water-table well in alluvium, depth 46 feet. Measuring point, top of well cover (center) between two 2 x 6 boards, 1.70 feet above lsd. Highest water level 1.49 below lsd, July 11, 1951; lowest dry, Sept. 18, Oct. 22, 1956. Records available: 1944-60. Jan. 21, 6.22; Mar. 1, 5.22; Mar. 21, 4.10; Apr. 18, 3.58; May 19, 4.29. Measurement discontinued.

110. (C) Prudential Life Insurance Co. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 33, T. 17 S., R. 14 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 48 feet. Measuring point, top southwest side of casing below pump base, 0.30 foot above lsd. Highest water level 8.69 below lsd, July 22, 1958; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-60.

Jan. 21	12.72	Apr. 18	10.00	July 21	13.26	Oct. 19	13.88
Mar. 1	12.66	May 19	11.03	Aug. 22	14.31	Nov. 21	13.19
21	11.49	June 22	12.75	Sept. 22	15.04	Dec. 21	13.09

131. (C) F. W. Gagleman. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 22, T. 19 S., R. 15 W. Drilled unused water-table well in alluvium, diameter 5 inches, depth 25 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 7.84 below lsd, Oct. 23, 1951; lowest 17.48 below lsd, Feb. 19, 1957. Records available: 1944-60.

Jan. 21	12.84	Apr. 18	10.85	July 21	12.12	Nov. 21	13.49
Mar. 1	12.51	May 19	10.98	Aug. 22	12.64	Dec. 20	14.12
21	12.30	June 20	11.38	Sept. 21	13.63		

18-15-28cc. (Replacement for 109 and is 30 feet northwest of 109). (C) A.T.S.F. right-of-way. Drilled water-table observation well in alluvium,

diameter 1¼ inches, depth 73 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 6.85 below lsd, June 20, 1960; lowest 10.44 below lsd, Dec. 20, 1960. Records available: 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 20	6.85	Aug. 22	9.11	Oct. 19	10.37	Dec. 20	10.44
July 21	8.65	Sept. 21	10.41	Nov. 21	10.22		

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 1960.

BROWN COUNTY

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 11.80 below lsd, July 13, 1960; lowest 17.00 below lsd, Oct. 27, 1960. Records available: 1960. July 13, 11.80; Oct. 27, 17.00.

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 56.82 below lsd, July 12, 1960; lowest 57.89 below lsd, Sept. 29, 1960. Records available: 1960. July 12, 56.82; Sept. 29, 57.89.

4-16-15aab. (C) Mercier Community. Dug public supply water-table well in glacial till, diameter 10 feet, depth 45 feet. Measuring point, top of concrete platform, east side of opening, 0.60 foot above lsd. Highest water level 8.90 below lsd, July 12, 1960; lowest 11.80 below lsd, Sept. 29, 1960. Records available: 1960. July 12, 8.90; Sept. 29, 11.80.

4-18-29bda. (C) City of Everest. Dug public supply water-table well in glacial till and Pennsylvanian limestone, diameter 8 feet, depth 64 feet. Measuring point, top of concrete rim around manhole, 4.50 feet above lsd. Highest water level 30.45 below lsd, July 14, 1960; lowest 36.19 below lsd, Sept. 29, 1960. Records available: 1960. July 14, 30.45; Sept. 29, 36.19.

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: 1947-60. Feb. 9, 15.75; Sept. 2, 23.62; Dec. 20, 18.68.

19-7-10da. (C) Herbert T. Drake. Dug unused water-table well in alvium, 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: 1948-60. Feb. 9, 6:00; Sept. 2, 11.35; Dec. 20, 8.11.



20-6-3lbd. (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: 1947-60. Feb. 2, 21.02; Sept. 2, 22.90.

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: 1947-60. Feb. 9, 16.72; Sept. 2, 15.78; Dec. 20, 16.91.

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

#### CHEROKEE COUNTY

1. (C) W. L. Stiles. NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket Sandstone (Cherokee Group), diameter 6 feet, depth 27 feet, cribbed with rock. Measuring point, top of opening in well curb, 0.80 foot above lsd. Highest water level 4.90 below lsd, June 5, 1957; lowest 19.07 below lsd, Nov. 30, 1956. Records available: 1942-45, 1948, 1950-58, 1960. May 6, 8.62; Dec. 27, 15.07.

32-25-6dad. (C) John P. Matter. Dug well in Krebs Formation (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. May 6, 5.05; Dec. 27, 11.85.

3. (C) Fleming Mine #3. SW $\frac{1}{4}$  sec. 19, T. 32 S., R. 24 E. Drilled unused artesian well in Roubidoux Dolomite, diameter 8 inches, depth 850 feet. Measuring point, crack in 4-inch coupling, 2.35 feet above lsd. Highest water level 196.53 below lsd, July 23, 1943; lowest 211.67 below lsd, Oct. 1, 1958. Records available: 1943, 1950-58, 1960. May 6, 211.33; Dec. 27, 212.35.

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. May 6, 207.71

34-24-36bd. (C) City of Baxter Springs. Drilled municipal artesian well in Roubidoux Dolomite, diameter 16 inches, depth 1,094 feet. Measuring point, top of casing, 1.80 feet above lsd. Highest water level 255.89 below lsd, July 5, 1960; lowest 394.25 below lsd, July 11, 1956. Records available: 1956-58, 1960. July 5, 255.89

#### CHEYENNE COUNTY

1-38-2cd. (MB) Paul O'Brien. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 42 feet. Measuring point, top of hole in turbine base, 1.00 foot above lsd. Highest water level 21.37 below lsd, May 6,

1952; lowest 25.49 below lsd, Oct. 13, 1960. Records available: 1948-60: Apr. 12, 22.76; July 15, 23.15; Oct. 13, 25.49.

1-38-8dcc. (Given as 1-38-8ddb in previous reports.) (MB) H. O. Haines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 34 feet. Measuring point, hole in inside of turbine base, 1.00 foot above lsd. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 15.15 below lsd, May 12, 1959. Records available: 1946-60. Apr. 12, 12.87; Nov. 6, 14.06.

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. No measurement made in 1960.

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. Records available: 1948-50, 1952-60. Apr. 12, 13.95; Nov. 7, 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: 1946-60. Apr. 12, 16.78; July 18, 17.37; Nov. 7, 19.32.

3-39-32bd. (MB) Clarence Yonkey. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 225 feet. Measuring point, hole in pump head base, 0.80 foot above lsd. Highest water level 175.49 below lsd, Oct. 12, 1960; lowest 178.74 below lsd, July 15, 1960. Records available: 1960. July 15, 178.74; Oct. 12, 175.49.

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: 1946-60. Apr. 12, 20.05; July 18, 20.27; Nov. 17, 20.45.

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: 1946-60. Apr. 12, 14.25; July 18, 13.78; Nov. 7, 16.41.

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. No measurement made in 1960.

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: 1953-60. Apr. 12, 202.95; July 18, 202.57; Nov. 7, 202.55.

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: 1953-60. Apr. 12, 138.50; July 18, 138.52; Nov. 7, 138.54.

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: 1953-60. Apr. 12, 176.57; Nov. 4, 176.55.

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: 1953-60. Nov. 7, 152.45.

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, 1949-60. Apr. 12, 105.32; July 18, 105.41; Nov. 7, dry.

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: 1953-60. Apr. 12, 177.60; July 18, 177.80; Nov. 7, 177.61.

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: 1953-60. Apr. 12, 192.28; July 19, 193.30; Nov. 7, 192.30.

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: 1954-60. Apr. 18, 20.53; July 18, dry; Nov. 7, 22.56.

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: 1954-60. Jan. 12, 56.81; Apr. 12, 56.36.

#### CLARK COUNTY

6. (C) District school. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 35 S., R. 21 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 36 feet. Measuring point top south side of casing, at land surface. Highest water level 26.28 below lsd, June 19, 1951; lowest 28.06 below lsd, July 23, 1958. Records available: 1940-43, 1950-60. Jan. 25, 28.01; Apr. 19, 26.75; July 19, 26.66; Oct. 17, 26.85.

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, 1954-60. Apr. 19, 15.78; July 19, 15.23.

30-23-6aa. (C) E. F. Houff. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 156 feet. Measuring point, top south side of casing, 0.70 foot above lsd. Highest water level 140.33 below lsd, June 19, 1956; lowest 143.31 below lsd, Mar. 8, 1954. Records available: 1939, 1953-60. Jan. 25, 140.63; Apr. 19, 140.57; July 19, 141.06; Oct. 17, 142.01.

#### 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: 1950-60. Apr. 21, 18.20; June 9, 18.50; July 26, 18.70; Oct. 17, 20.90.

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. No measurement made in 1960.

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: 1950-60. Apr. 21, 8.50; June 9, 9.10; July 26, 8.10; Oct. 17, 11.00.

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. No measurement made in 1960.

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: 1950-60. Apr. 21, 3.60; July 26, 3.50; Oct. 17, 3.90.

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 22.17 below lsd, Apr. 23, 1957. Records available: 1950-60. Apr. 21, 18.00.

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 34 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 19.76 below lsd, May 14, 1960; lowest 20.80 below lsd, Nov. 29, 1960. Records available: 1960. May 14, 19.76; Nov. 29, 20.80.

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 33 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 17.19 below lsd,

May 14, 1960; lowest 22.70 below lsd, Nov. 29, 1960. Records available: 1960. May 14, 17.19; Nov. 29, 22.70.

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 35 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 18.30 below lsd, Nov. 28, 1960; lowest 24.03 below lsd, May 14, 1960. Records available: 1960. May 14, 24.03; Nov. 28, 18.30.

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 34 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 21.70 below lsd, May 14, 1960; lowest 27.32 below lsd, Nov. 29, 1960. Records available: 1960. May 14, 21.70; Nov. 29, 27.32.

8-5-22bda. (MB) U.S.B.R. Bored observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.80 below lsd, May 14, 1960; lowest 20.38 below lsd, Nov. 28, 1960. Records available: 1960. May 14, 17.80; Aug. 26, 19.89; Nov. 28, 20.38.

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 32 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 20.88 below lsd, May 14, 1960; lowest 23.03 below lsd, Nov. 29, 1960. Records available: 1960. May 14, 20.88; Nov. 29, 23.03.

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 43 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 21.20 below lsd, Aug. 26, 1960; lowest 22.57 below lsd, May 14, 1960. Records available: 1960. May 14, 22.57; Aug. 26, 21.20; Nov. 28, 21.40.

#### COFFEY COUNTY

20-15-34dcb. (C) G. Skillman. Dug unused water-table well in Kanwaka Shale, diameter 30 inches, depth 40 feet, cribbed with rock. Measuring point, top south side of hole in concrete platform, 0.60 foot above lsd. Highest water level 1.71 below lsd, Mar. 1, 1949; lowest 19.41 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. Measurement discontinued.

#### COMANCHE COUNTY

1. (C) A. A. Carpenter. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 33 S., R. 20 W. Drilled unused water-table well in deposits of Permian age, diameter 6 inches, depth 43 feet. Measuring point, top of concrete pump base, 1.00 foot above lsd. Highest water level 35.30 below lsd, Sept. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-60. Jan. 25, 36.76; Apr. 19, 36.71; July 18, 36.74; Oct. 17, 36.71.

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, 1955-60. Jan. 25, 75.96; Apr. 19, 75.74; July 18, 80.51; Oct. 17, 75.68.

## 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 1960.

29-25-5cd. (C) City of Arma. Drilled artesian municipal well in Roubidoux Dolomite, diameter 13 5/8 inches, depth 1,175 feet. Measuring point, top of casing, at land surface. Highest water level 310.13 below lsd, Aug. 31, 1956; lowest 316.24 below lsd, Dec. 28, 1960. Records available: 1956-58, 1960. Dec. 28, 316.24.

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. May 6, 246.30; Dec. 27, 253.50.

## 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: 1959-60. Jan. 13, 30.48; Apr. 13, 26.24; July 13, 26.02; Oct. 13, 28.84.

1-29-19bdd. (C) Byron McCartney. Drilled irrigation well in alluvium, diameter 18 inches, depth 54 feet. Measuring point, hole in north side of pump head base, 0.70 foot above lsd. Highest water level 10.07 below lsd, July 13, 1960; lowest 27.70 below lsd, July 15, 1959. Records available: 1959-60. Jan. 13, 14.47; Apr. 13, 10.58; July 13, 10.07; Oct. 13, 13.36.

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 97.52 below lsd, July 13, 1960; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-60. Jan. 13, 99.00; Apr. 12, 98.12; July 13, 97.52; Oct. 13, 97.62.

3-26-5cc. (C) John Hicks. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 147 feet. Measuring point, top of casing, 1.10 feet above lsd. Highest water level 141.02 below lsd, Aug. 22, 1952; lowest 143.10 below lsd, Feb. 8, 1954. Records available: 1952-60. Jan. 13, 141.70; Apr. 13, 141.81; July 13, 141.57; Oct. 13, 141.64.

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 26.71 below lsd, July 15, 1959. Records available: 1959-60. Jan. 13, 26.09; Apr. 12, 21.11; July 13, 20.92; Oct. 13, 24.71.

4-26-8ddd. (C) Reo Harris. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 70 feet. Measuring point, hole in southwest corner of pump head base, 1.25 feet above lsd. Highest water level 28.18 below lsd, Apr. 13, 1960; lowest 31.16 below lsd, Oct. 13, 1959. Records available: 1959-60. Jan. 13, 29.91; Apr. 13, 28.18; July 13, 28.73; Oct. 13, 30.20.

4-29-16cd. (C) E. R. Anderson. Drilled abandoned irrigation water-table

well in Ogallala Formation, diameter 5 inches, depth 181 feet. Measuring point, north side top of casing, 1.00 foot above lsd. Highest water level 129.89 below lsd, Oct. 13, 1960; lowest 135.63 below lsd, Apr. 13, 1960. Records available: 1960. Apr. 13, 135.63; July 13, 129.90; Oct. 13, 129.89.

## 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: 1952-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	20.15	.....	18.73	17.97	18.43	18.33	18.78	19.58	20.08	20.36	20.64
10	.....	20.00	.....	18.58	18.01	18.52	18.13	18.97	19.71	20.17	20.36	20.55
15	20.29	20.00	.....	18.37	18.02	18.44	18.22	19.15	19.81	20.26	20.35	20.60
20	20.31	19.96	20.01	18.39	17.99	18.44	18.40	19.24	19.90	20.24	20.45	20.65
25	20.23	19.96	19.68	18.34	.....	.....	18.10	19.40	20.00	20.34	20.46	.....
30	20.25	.....	18.96	18.27	18.31	18.16	18.63	19.49	20.05	20.33	20.57	20.77

12-20-29bba. (C) V. C. Fishel. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 29 feet. Measuring point, inside edge at top of pipe, 0.60 foot above lsd. Highest water level 14.63 below lsd, May 26, 1959; lowest 20.84 below lsd, May 27, 1957. Records available: 1957-59. No measurement made in 1960.

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 23.84 below lsd, May 20, 1952; lowest 41.99 below lsd, Jan. 5, 1957. Records available: 1952-60. Feb. 8, 32.67; Oct. 10, 37.90.

15-20-11cda. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone member of Lawrence Shale, diameter 1¼ inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 44.65 below lsd, Aug. 25, 1959; lowest 50.54 below lsd, Jan. 30, 1958. Records available: 1956-60. Feb. 8, 45.78; Mar. 28, 45.83; May 27, 44.88; Oct. 10, 45.72.

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: 1956-60. Feb. 8, 18.31; Mar. 28, 17.33; May 27, 16.73; Oct. 10, 24.71.

## 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: 1944-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 26	7.40	May 20	5.61	Aug. 22	6.20	Nov. 21	7.31
Mar. 21	6.42	June 21	5.41	Sept. 21	7.30	Dec. 20	6.37
Apr. 19	6.07	July 19	5.86	Oct. 18	7.58		

10. (C) E. F. Lippoldt. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in Dakota Formation, diameter 4 $\frac{1}{2}$  feet, depth 70 feet, cribbed with rock. Measuring point, top of hole in concrete cover, 0.60 foot above lsd. Highest water level 61.86 below lsd, June 21, 1960; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-60.

Jan. 26	62.48	May 20	63.42	July 19	63.29	Sept. 21	62.64
Mar. 1	62.47	June 21	61.86	Aug. 22	63.00	Oct. 18	62.56
21	62.67						

25-16-31dal. (C) E. B. Mayhew. Drilled unused well in Ogallala Formation, diameter 1 $\frac{1}{2}$  inches, depth 44 feet. Measuring point, top south side of pipe, 0.80 foot above lsd. Highest water level 15.50 below lsd, Aug. 20, 1958; lowest 21.61 below lsd, Mar. 20, Apr. 9, 1957. Records available: 1957-60.

Jan. 26	17.26	Apr. 20	16.37	July 19	17.87	Oct. 17	17.78
Mar. 1	17.11	May 20	15.59	Aug. 22	17.13	Nov. 21	17.61
21	16.91	June 21	16.39	Sept. 21	17.74	Dec. 20	17.81

ELLIS COUNTY

215. (C) A. H. Romine. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 22 feet, cribbed with rock. Measuring point, top edge of platform, west side of pump base, 3.50 feet above lsd since Jan. 20, 1960. Highest water level 9.30 below lsd, Apr. 14, 1960; lowest 20.80 below lsd, Apr. 17, 1956. Records available: 1941-60. Jan. 20, 12.17; Apr. 14, 9.30; July 13, 9.54; Oct. 13, 12.80.

218. (C) W. W. Bemis. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell Sandstone zone of Carlile Shale, diameter 24 inches, depth 81 feet, cribbed with rock. Measuring point, top north side of hole in 2 x 8 cover, 0.50 foot above lsd. Highest water level 11.76 below lsd, July 23, 1951; lowest 58.71 below lsd, Mar. 30, 1957. Records available: 1941-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	12.87	16.36	18.10	16.65	20.01	.....	26.56	.....	32.08
10	.....	.....	.....	13.66	16.64	18.13	16.93	19.62	.....	27.19	.....	32.47
15	.....	21.97	.....	14.22	16.80	17.01	17.23	18.78	.....	27.85	.....	32.94
20	34.28	.....	26.80	15.33	16.99	16.67	17.67	.....	24.52	28.36	31.08	33.32
25	34.61	.....	15.37	15.69	17.23	15.65	18.25	.....	25.37	28.77	31.39	33.61
30	.....	.....	12.35	16.08	17.69	16.18	19.02	.....	25.98	.....	31.84	33.90

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: 1946-60. June 14, 17.33; Dec. 5, 20.05.

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. (Measurement for Dec. 9, 1952 of 23.40 has been deleted from record.) Records available: 1946-52, 1955-60. June 14, 17.40; Dec. 5, 20.18.

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

14-19-31cc. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 28.98 below lsd, June 10, 1952; lowest 34.52 below lsd, Jan. 9, 1958. Records available: 1949-52, 1954-60. June 13, 33.23. Well destroyed.

14-20-32dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 26 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.13 below lsd, July 26, 1951; lowest 23.41 below lsd, Oct. 15, 1956. Records available: 1950-60. June 13, 21.53; Dec. 5, 21.92.

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: 1946-60. June 13, 12.80.

15-18-16bb. (MB) T. W. Wolf. Dug domestic and stock water-table well in alluvium, diameter 40 inches, depth 16 feet, cribbed with stone. Measuring point, top east edge of curb, 2.50 feet above lsd. Highest water level 1.17 below lsd, May 15, 1951; lowest 10.28 below lsd, Oct. 15, 1956. Records available: 1946-60. June 14, 2.06; Dec. 5, 7.70.

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: 1949-60. June 14, 9.74; Dec. 5, 11.37.

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, 1954-60. June 13, 54.44; Dec. 5, 55.73.

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. 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: 1949-60. June 13, 34.50; Dec. 5, 34.82.

15-19-15dd. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 23.80 below lsd, Dec. 5, 1960; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-60. June 14, 24.13; Dec. 5, 23.80.

15-20-lbb. (MB) U.S.G.S. Jetted observation water-table well in sand and terrace deposits of Pleistocene age, diameter ¾ inch, depth 26 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.40 below lsd, Oct. 26, 1951; lowest dry, Mar. 15, June 4, July 26, 1951. Records available: 1950-53, 1955-60. June 13, 21.30; Dec. 5, 21.82.

15-20-12aa. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 37.00 below lsd, Feb. 28, 1952; lowest 39.31 below lsd, Mar. 16, 1950. Records available: 1949-60. June 13, 38.55; Dec. 5, 38.55.

ELLSWORTH COUNTY

16-6-35bdd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.18 below lsd, Oct. 1, 1951; lowest 24.31 below lsd, Aug. 20, 1951. Records available: 1950-60. Mar. 27, 20.05; May 26, 19.08; June 30, 19.18; July 27, 19.53; Sept. 1, 19.33; Nov. 30, 19.35.

FINNEY COUNTY

1. (C) Mrs. A. M. Reid. NE¼ NE¼ sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well in alluvium, diameter 15 inches, depth 21 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 1.05 below lsd, June 29, 1951; lowest 17.23 below lsd, Nov. 5, 10, 1956. Records available: 1936-50.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.10	12.85	12.54	11.87	11.01	11.67	10.94	12.41	13.88	15.31	15.11	14.81
10	13.05	12.80	12.44	11.84	11.52	11.53	11.02	12.27	14.35	15.35	15.05	14.77
15	13.04	12.74	12.30	11.78	11.30	11.61	11.52	12.88	14.79	15.32	14.99	14.75
20	12.99	12.68	12.23	11.74	10.15	11.75	11.73	13.26	15.04	15.27	14.94	14.74
25	12.94	12.63	12.09	11.87	11.06	11.83	11.20	13.32	15.15	15.23	14.88	14.69
30	12.90	.....	11.96	11.43	11.50	11.89	11.80	13.58	15.25	15.17	14.85	14.64

5. (C) E. Alberta Reeves. SE¼ NW¼ NW¼ 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 24.33 below lsd, Nov. 8, 1960. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	23.89	May 4	23.02	Aug. 17	23.53	Oct. 14	24.24
Feb. 10	23.80	June 14	23.14	Sept. 9	23.87	Nov. 8	24.33
Apr. 8	23.26	July 12	23.14				

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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	16.06	Apr. 8	15.58	Oct. 14	16.36	Dec. 9	16.50
Mar. 11	16.22	Sept. 9	16.51	Nov. 8	16.42		

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: 1939-60. Feb. 24, 72.08; May 10, 72.26; Aug. 22, 72.48; Nov. 22, 73.22.

13. (C) Edwin Wehrley. NE $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 13, T. 25 S., R. 31 W. Dug unused water-table well in alluvium, diameter 24 inches, depth 6 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest water level 0.76 above lsd, May 5, 1942; lowest dry, Aug. 15, 1955. Records available: 1939-60.

Jan. 6	3.03	Apr. 8	2.25	July 3	3.15	Oct. 19	4.14
Feb. 24	2.80	May 16	2.58	Aug. 15	3.89	Nov. 21	4.05
Mar. 11	2.36	June 22	2.57	Sept. 20	4.23	Dec. 27	3.91

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 78.40 below lsd, Oct. 14, 1960. Records available: 1934, 1939-60. Jan. 7, 75.98; Apr. 29, 74.36; July 12, 75.42; Oct. 14, 78.40.

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: 1942-60.

Jan. 6	116.42	Apr. 8	113.98	Aug. 15	120.00	Nov. 21	124.46
Feb. 24	112.58	May 16	117.62	Sept. 20	120.33	Dec. 27	114.70
Mar. 11	114.18	June 22	114.00	Oct. 19	121.98		

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: 1951-60. Jan. 7, 25.84; Apr. 29, 25.20.

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 67.63 below lsd, Sept. 28, 1960. Records available: 1957-60. Mar. 28, 53.12; June 16, 55.17; Sept. 28, 67.63; Dec. 13, 58.30.

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 62.77 below lsd, Nov. 8, 1960; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-60. Feb. 10, 63.76; May 16, 63.43; Aug. 17, 62.82; Nov. 8, 62.77.

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 63.30 below lsd, Sept. 28, 1960. Records available: 1959-60. 1959: Dec. 28, 48.84. 1960: Mar. 28, 47.16; June 16, 51.78; Sept. 28, 63.30.

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: 1958-60. Jan. 8, 64.26; Sept. 27, 67.83.

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: 1959-60. Jan. 8, 72.27.

26-32-31cc. (C) Cecil Snodgrass. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 445 feet. Measuring point, top hole in northeast side steel pump base, 1.30 feet above lsd. Highest water level 109.17 below lsd, Jan. 19, 1959; lowest 112.62 below lsd, Aug. 4, 1959. Records available: 1958-59. No measurement made in 1960.

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 pump base, 1.50 feet above lsd. Records available: 1960. Jan. 8, 60.78.

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 23 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.53 below lsd, Nov. 19, 1956. Records available: 1938-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	6.26	Mar. 21	5.80	May 20	5.80	Oct. 18	7.36
Mar. 1	6.11	Apr. 19	5.15	June 21	5.57	Dec. 20	6.85

96a. (C) Henry Hatstrup. SE¼ NE¼ sec. 23, T. 26 S., R. 21 W. Driven unused well in alluvium, diameter 1¼ inches, depth 13 feet. Measuring point,

0.60 foot above lsd. Highest water level 6.49 below lsd, Apr. 19, 1960; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1956-60. Jan 26, 7.61; Apr. 19, 6.49; July 19, 6.70; Oct. 18, 8.31.

1002. (C) U.S. Army. Cen. SE $\frac{1}{4}$  sec. 12, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala Formation, diameter 16 inches, depth 262 feet. Measuring point, top north side of casing, 1.09 feet above lsd. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	104.08	Mar. 21	105.30	May 20	103.85	July 19	104.13
Mar. 1	103.93	Apr. 19	103.88	June 21	103.75	Aug. 22	105.56

25-22-20aa. (C) Mary Arends. Drilled cemetery well in Ogallala Formation, diameter 5 $\frac{1}{2}$  inches, depth 86 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 64.09 below lsd, Jan. 26, 1960; lowest 67.75 below lsd, Oct. 18, 1951. Records available: 1939, 1951-60. Jan. 26, 64.09; Oct. 18, 64.78.

29-21-5bb. (C) E. R. and Maynard L. Estes. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 133 feet. Measuring point, flap in north side of pump base, 0.50 foot above lsd. Highest water level 79.50 below lsd, May 1956; lowest 96.10 below lsd, July 6, 1959. Records available: 1956, 1959-60. Jan. 26, 95.47; Apr. 19, 95.21; Oct. 17, 95.92.

#### GOVE COUNTY

11-27-16aa. (C) M. E. Neher. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 132 feet. Measuring point, base of pump, at land surface. Highest water level 94.05 below lsd, Oct. 12, 1960; lowest 95.40 below lsd, Aug. 27, 1956. Records available: 1952-60. Jan. 11, 94.24; Apr. 11, 94.25; July 14, 94.61; Oct. 12, 94.05.

11-29-9ab. (C) Leo Boxberger. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 130 feet. Measuring point, hole in west side of pump base, 1.00 foot above lsd. Highest water level 124.12 below lsd, July 14, 1960; lowest 126.16 below lsd, July 14, 1959. Records available: 1959-60. Apr. 11, 124.36; July 14, 124.12; Oct. 12, 124.16.

11-31-10aa. (C) Thos. P. Johnstone. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 97 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 91.52 below lsd, May 13, 1957. Records available: 1952-60. Jan. 12, 91.19; Apr. 11, 91.16; July 14, 90.74; Oct. 12, 90.37.

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: 1959-60. Jan. 11, 24.60; Apr. 11, 21.67; July 14, 22.26; Oct. 12, 22.87.

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: 1956-60. Jan. 11, 33.70; Apr. 11, 29.85; July 14, 29.82; Oct. 12, 29.94.

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: 1956-60. Jan 11, 22.20; Apr. 11, 1948; July 14, 21.95; Oct. 12, 21.53.

#### GRAHAM COUNTY

6-23-12ccb. (C) H. Hauser. Drilled stock well in Ogallala Formation. diameter 5 inches, depth 70 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 61.71 below lsd, July 15, 1960; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-60. Jan. 14, 63.11; Apr. 13, 62.61; July 15, 61.71; Oct. 14, 61.85.

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: 1952-60. Jan. 11, 36.81; Apr. 11, 33.83; July 15, 34.29; Oct. 14, 35.79.

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: 1952-60. Jan. 11, 31.20; Apr. 11, 26.48; July 15, 32.76; Oct. 14, 29.32.

8-22-3dcd. (C) F. O. Dunwody. Drilled unused stock well in terrace deposits of Pleistocene age, diameter 8 inches, depth 24 feet. Measuring point, top west side of casing, 3.00 feet above lsd. Highest water level 13.89 below lsd, Aug. 14, 1952; lowest 17.74 below lsd, Nov. 26, 1956. Records available: 1952-60. Jan. 11, 16.50; Apr. 11, 14.89; July 14, 15.03; Oct. 12, 15.61.

10-23-14bcc. (C) J. Diebolt. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 40 feet. Measuring point, hole in west side of pump base, 0.15 foot above lsd. Highest water level 26.17 below lsd, July 14, 1960; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-60. Jan. 11, 28.25; Apr. 11, 26.65; July 14, 26.17.

#### 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. May 11, dry; Aug. 23, dry.

5. (C) C. L. Jury. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 6 inches, depth 162 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 82.04 below lsd, Aug. 19, 1959. Records available: 1941-60. Feb. 25, 74.35; May 11, 76.40; Aug. 23, 82.03; Nov. 18, 77.10.

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 66.95 below lsd, Sept. 25, 30, 1960. Records available: 1944-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.82	64.58	64.47	64.35	64.92	65.58	65.25	66.03	66.65	66.92	66.57	66.25
10	64.81	64.56	64.40	64.33	65.15	65.54	65.32	66.15	66.74	66.83	66.48	66.24
15	64.86	64.55	64.38	64.34	65.28	65.41	65.49	66.26	66.82	66.76	66.42	66.25
20	64.81	64.51	64.39	64.41	65.39	65.34	65.63	66.35	66.89	66.71	66.38	66.22
25	64.72	64.49	64.37	64.43	65.46	65.31	65.75	66.43	66.95	66.70	66.33	66.16
30	64.65	.....	64.36	64.65	65.51	65.27	65.86	66.52	66.95	66.68	66.30	66.13

27-35-16cb. (C) Craig Howard. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 186 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 145.00 below lsd, Oct. 9, 1951; lowest 179.82 below lsd, Aug. 22, 1960. Records available: 1941-42, 1951-60. Feb. 25, 177.94; May 10, 177.98; Aug. 22, 179.82; Nov. 18, 179.26.

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. Jan. 28, 202.45; Mar. 28, 201.80.

27-38-15bb. (C) Mrs. Charles Andes. Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 450 feet. Measuring point, outside edge of bolt hole at top of pump, 0.50 foot above lsd. Highest water level 97.15 below lsd, Jan 15, 1958; lowest 110.36, Aug. 19, 1959. Records available: 1958-60. Feb. 25, 100.79; May 11, 103.36; Nov. 18, 107.67.

27-38-23cbl. (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 122.1 below lsd, Aug. 7, 1959. Records available: 1943, 1955, 1958-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	64.50	83.15	108.33	75.22	118.30	.....	80.29	75.52	72.59
10	.....	.....	.....	64.72	84.49	72.25	72.39	.....	.....	79.99	74.63	72.11
15	.....	.....	.....	.....	79.54	70.51	73.21	.....	.....	79.52	74.31	71.70
20	.....	.....	.....	.....	80.53	69.57	.....	.....	91.80	78.59	73.79	70.98
25	.....	65.49	64.26	103.68	80.39	68.99	.....	.....	.....	77.80	73.01	70.44
30	.....	.....	64.13	80.43	76.95	69.12	117.00	.....	83.63	76.85	72.68	70.25

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, 1958-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	86.82	.....	.....	78.90	98.08	91.89	83.47	107.46	104.60	91.91	89.13	86.67
10	.....	.....	.....	80.68	97.50	84.51	87.23	107.87	101.03	91.30	88.32	88.14
15	.....	.....	.....	82.32	99.42	83.76	92.44	107.03	108.13	92.27	87.59	86.19
20	.....	.....	.....	82.80	97.60	83.20	95.95	102.87	110.19	92.39	87.20	85.35
25	.....	79.90	78.62	83.60	92.96	83.67	103.38	104.58	100.20	92.08	86.70	84.81
30	.....	.....	78.48	93.90	94.46	83.12	104.79	106.57	94.42	90.40	86.39	86.59

28-35-31cdl. (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: 1958-60.

Date	Water level	Date	Water level	Date	Water level
May 28, 1958	221.90	Nov. 13, 1959	224.40	Aug. 22, 1960	233.67
May 7, 1959	245.90	Feb. 25, 1960	225.48	Nov. 16	235.90
Aug. 19	244.50	May 10	226.95		

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 cut out in north side pump base, 1.7 feet above lsd. Highest water level 82.36 below lsd, Mar. 21, 1960; lowest 115.05 below lsd, Jan. 17, 1958. Records available: 1958-60. 1958: Jan. 17, 115.05. 1959: Oct. 27, 88.09; Dec. 31, 91.23. 1960: Jan. 25, 85.10; Mar. 21, 82.36; May 11, 112.60; Nov. 18, 89.66.

28-38-16dbl. (C) Tacy Marie Halloday. Drilled unused artesian well in deposits of Pliocene age, diameter 16 inches, depth 370 feet. Measuring point, top north side of casing, at land surface. Highest water level 72.75 below lsd, Mar. 10, 1960; lowest 125.72 below lsd, May 6, 1959. Records available: 1950-60. Recorder removed Nov. 17, 1960. Nov. 17, 83.35.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	81.38	75.32	73.16	.....	.....	104.84	85.86	122.20	118.45	99.94	85.7	.....
10	79.87	74.77	72.75	.....	.....	87.48	93.00	120.00	119.33	95.72	84.8	.....
15	79.50	74.54	.....	.....	.....	82.80	85.09	114.54	120.81	92.40	.....	.....
20	78.78	73.97	.....	.....	.....	80.38	97.15	114.18	117.24	89.93	.....	.....
25	77.49	73.61	.....	103.08	.....	78.84	105.56	125.18	113.40	88.71	.....	.....
eom	76.08	73.50	.....	.....	96.66	80.39	120.21	118.95	109.18	.....	.....	.....

30-35-19bcl. (C) Eual P. Brewer. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 430 feet. Measuring point, top hole in steel pump base, northeast side, 0.20 foot above lsd. Highest



water level 144.43 below lsd, Feb. 23, 1959; lowest 147.25 below lsd, Nov. 23, 1959. Records available: 1958-60. Mar. 23, 145.40.

30-37-20cb. (C) J. H. Lewis. Drilled irrigation water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 16 inches, depth 335 feet. Measuring point, hole in south side of pump base, 0.65 foot above lsd. Highest water level 114.40 below lsd, Aug. 8, 1941; lowest 145.05 below lsd, Aug. 18, 1959. Records available: 1941, 1952-60. Feb. 9, 135.81; Nov. 9, 142.63.

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. Feb. 8, 61.93; Apr. 1, 60.61.

#### GRAY COUNTY

3a. (C) N. A. Mans. NE $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 28 S., R. 27 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 173 feet. Measuring point, hole in east side of pump base, 0.50 foot above lsd. Highest water level 158.35 below lsd, Apr. 18, 1960; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-60. Jan. 6, 158.50; Apr. 18, 158.35; July 13, 158.48; Oct. 19, 158.48.

7. (C) P. Brietenbach and others. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 36, T. 26 S., R. 29 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 86 feet. Measuring point, top of west pipe clamp, 1.00 foot above lsd. Highest water level 64.80 below lsd, Sept. 3, 1952; lowest 77.70 below lsd, May 22, 1940. Records available: 1939-49, 1952-60. Jan. 6, 67.26. Measurement discontinued.

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 84.44 below lsd, Apr. 18, 1960; lowest 85.06 below lsd, July 13, 1960. Records available: 1956, 1959-60. 1956: Jan. 12, 84.50. 1959: Oct. 22, 84.70. 1960: Jan. 6, 84.50; Apr. 18, 84.44; July 13, 85.06.

26-29-7cb. (C) C. M. Davis. Drilled unused stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 100 feet. Measuring point, top clamp south edge of north pipe, 1.00 foot above lsd. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.83 below lsd, Oct. 13, 1939. Records available: 1939, 1953-60. Jan. 6, 80.99; Apr. 18, 81.02.

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. Records available: 1960. Jan. 6, 74.89.

27-29-1aa (replacement for well no. 7). (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 below lsd, July 13, 1960; lowest 72.15 below lsd, Apr. 18, 1960. Records available: 1960. Apr. 18, 72.15; July 13, 71.91; Oct. 19, 72.02.

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, 1959-60. 1940: Dec. 5, 63.20. 1959: Apr. 30, 53.92. 1960: Jan. 6, 54.52.

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 107.27 below lsd, Jan. 6, 1960. Records available: 1959-60. 1959: Jan. 6, 107.05. 1960: Jan. 6, 107.27.

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 69.46 below lsd, Jan. 8, 1959; lowest 69.82 below lsd, July 17, 1959. Records available: 1958-60. Jan. 6, 69.55; Apr. 18, 69.63; July 13, 69.51; Oct. 19, 69.64.

29-28-28cd. (C) Delbert McCune. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 204 feet. Measuring point, hole in southwestern side pump base, 1.00 foot below lsd. Highest water level 87.60 below lsd, Apr. 18, 1960; lowest 90.20 below lsd, Oct. 19, 1960. Records available: 1959-60. 1959: July 13, 87.95; Oct. 21, 88.88. 1960: Jan. 6, 88.00; Apr. 18, 87.60; Oct. 19, 90.20.

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: 1959-60. 1959: Oct. 21, 86.36. 1960: Jan. 6, 85.38; Apr. 18, 86.50; Oct. 19, 86.97.

#### 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: 1959-60. Mar. 28, 73.30; June 8, 72.95; Sept. 28, 73.05; Dec. 12, 73.28.

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 below lsd. Highest water level 127.96 below lsd, Jan. 6, 1949; lowest 133.49 below lsd, Sept. 18, 1959. Records available: 1947-60. Mar. 28, 132.60; June 8, 132.13; Sept. 28, 133.38; Dec. 13, 133.36.

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: 1954-60. Mar. 28, 193.53; June 8, 194.80; Sept. 28, 194.69; Dec. 13, 194.89.

#### HAMILTON COUNTY

2a. (C) Chester Huser. NE¼ NE¼ sec. 21, T. 23 S., R. 43 W. Drilled irrigation well in alluvium, diameter 40 inches, depth 29 feet. South well of a battery of three irrigation wells. Measuring point, top west side of concrete curb, 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: 1944-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	12.56	May 19	12.15	Sept. 22	15.05	Nov. 17	13.78
Mar. 9	12.86	June 23	12.32	Oct. 13	14.62	Dec. 29	13.20
Apr. 21	11.90	July 28	13.24				

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: 1939-60.

Jan. 5	14.05	July 18	13.85	Sept. 22	15.35	Nov. 17	15.73
May 12	14.86	Aug. 25	14.60	Oct. 13	15.43	Dec. 29	15.26
June 16	13.62						

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: 1939-60.

Jan. 5	43.11	May 20	24.87	Aug. 25	28.36	Nov. 17	49.15
Mar. 9	50.61	June 16	24.65	Sept. 22	43.34	Dec. 29	50.58
Apr. 21	25.20	July 18	24.80	Oct. 13	47.54		

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, 1959-60. Jan. 5, 111.35.

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: 1959-60. 1959: July 14, 98.33. 1960: Jan. 5, 87.42.

#### 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 12.24 below lsd, Mar. 27, 1960; lowest 22.09 below lsd, Mar. 24, 31, 1957. Records available: 1956-60.

Jan. 31	14.63	Apr. 24	12.74	July 31	14.23	Oct. 30	14.26
Feb. 28	13.78	May 29	13.31	Aug. 28	14.38	Nov. 27	14.01
Mar. 27	12.24	June 26	13.30	Sept. 25	14.92	Dec. 25	13.88

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, since Dec. 7, 1958. Highest water level 22.50 below lsd, Oct. 15, 1954; lowest 36.79 below lsd, Oct. 28, 1956. Records available: 1954-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.10	Apr. 24	27.85	July 31	30.01	Oct. 30	29.34
Feb. 28	29.17	May 29	28.84	Aug. 28	30.33	Nov. 27	28.67
Mar. 27	27.96	June 26	28.67	Sept. 25	30.12	Dec. 25	27.85

## HARVEY COUNTY

101. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 75 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 27.61 below lsd, Aug. 1, 1958; lowest 38.46 below lsd, Aug. 31, 1956. Records available: 1954-60.

Feb. 1	30.87	May 2	28.40	Aug. 1	30.06	Nov. 1	28.63
Mar. 1	29.90	June 1	28.10	Sept. 1	30.76	Dec. 1	28.91
	30 27.83	July 1	28.26		29 29.08		

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: 1954-60.

Feb. 1	29.54	May 2	27.27	Aug. 1	29.03	Nov. 1	27.46
Mar. 1	28.26	June 1	27.83	Sept. 1	29.13	Dec. 1	27.35
	30 26.74	July 1	27.80		29 28.26		

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 24.63 below lsd, Jan. 1, 1959; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-60.

Feb. 1	27.78	May 2	26.23	Aug. 1	27.67	Nov. 1	26.04
Mar. 1	26.64	June 1	27.23	Sept. 1	27.95	Dec. 1	26.54
	30 25.64	July 1	27.22		29 27.10		

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: 1954-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	22.49	May 2	20.06	Aug. 1	20.79	Nov. 1	20.91
Mar. 1	21.84	June 1	19.63	Sept. 1	21.01	Dec. 1	21.14
30	20.12	July 1	19.66	29	21.00		

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 18.22 below lsd, Mar. 30, 1960; lowest 31.58 below lsd, Aug. 31, 1956. Records available: 1954-60.

Feb. 1	22.11	May 2	19.58	Aug. 1	22.65	Nov. 1	19.49
Mar. 1	20.72	June 1	20.10	Sept. 1	21.75	Dec. 1	20.15
30	18.22	July 1	19.72	29	19.98		

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: 1954-60.

Feb. 1	25.31	May 2	24.53	Aug. 1	24.82	Nov. 1	24.44
Mar. 1	25.21	June 1	24.43	Sept. 1	24.91	Dec. 1	24.26
30	24.93	July 1	24.92	29	22.73		

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 35.35 below lsd, May 2, 1960; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-60.

Feb. 1	37.59	May 2	35.35	Aug. 1	38.63	Nov. 1	35.50
Mar. 1	37.60	June 1	36.61	Sept. 1	36.76	Dec. 1	36.15
30	35.65	July 1	36.69	29	35.77		

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: 1954-60.

Mar. 1	11.76	June 1	11.59	Sept. 1	11.66	Nov. 1	12.72
30	11.61	July 1	11.59	29	11.65	Dec. 1	11.84
May 2	11.65	Aug. 1	11.58				

109. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd.

Highest water level 9.76 below lsd, Oct. 2, 1958; lowest 15.03 below lsd, Apr. 1, 1957. Records available: 1954-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	12.60	May 2	11.48	Aug. 1	11.90	Nov. 1	12.50
Mar. 1	12.33	June 1	11.42	Sept. 1	11.97	Dec. 1	12.83
30	11.34	July 1	11.33	29	12.30		

110. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 25, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 38 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.86 below lsd, Oct. 2, 1958; lowest 10.36 below lsd, Mar. 1, 1957. Records available: 1954-60.

Feb. 1	6.95	May 2	5.47	Aug. 1	6.38	Nov. 1	7.15
Mar. 1	6.64	June 1	5.48	Sept. 1	6.59	Dec. 1	7.38
30	5.80	July 1	5.73	29	6.92		

111. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 2, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.22 below lsd, Sept. 29, 1960; lowest 20.12 below lsd, Oct. 1, 1956. Records available: 1954-60.

Feb. 1	14.80	May 2	12.62	Aug. 1	13.25	Nov. 1	11.80
Mar. 1	14.28	June 1	12.22	Sept. 1	11.92	Dec. 1	12.42
30	11.87	July 1	11.89	29	11.22		

112. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 25, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.22 below lsd, Nov. 1, 1960; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-60.

Feb. 1	19.89	May 2	19.11	Sept. 1	18.18	Nov. 1	17.22
Mar. 1	19.82	July 1	18.41	29	17.62	Dec. 1	17.33
30	19.40	Aug. 1	18.26				

113. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 29, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 29 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.32 below lsd, July 1, 1957; lowest 23.90 below lsd, Mar. 1, 1957. Records available: 1954-60.

Feb. 1	19.33	May 2	17.42	Aug. 1	17.49	Nov. 1	16.03
Mar. 1	18.97	June 1	16.70	Sept. 1	14.94	Dec. 1	16.89
30	15.73	July 1	16.50	29	15.10		

118. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 27, T. 23 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 7.78 below lsd, July 1, 1957; lowest 19.69 below lsd, Oct. 1, 1956. Records available: 1955-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	13.84	May 2	12.37	Aug. 1	13.11	Nov. 1	11.97
Mar. 1	13.76	June 1	11.73	Sept. 1	10.34	Dec. 1	12.70
30	10.39	July 1	11.41	29	11.14		

119. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 6, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 27.39 below lsd, Mar. 30, 1960; lowest 36.76 below lsd, Oct. 1, 1956. Records available: 1955-60.

Feb. 1	31.50	May 2	29.72	Aug. 1	29.85	Nov. 1	28.17
Mar. 1	31.08	June 1	28.78	Sept. 1	27.58	Dec. 1	28.87
30	27.39	July 1	28.02	29	27.53		

120. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 1, T. 24 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.35 below lsd, Mar. 30, 1960; lowest 23.00 below lsd, Oct. 1, 1956. Records available: 1955-60.

Feb. 1	17.70	May 2	15.43	Aug. 1	15.93	Sept. 29	12.99
Mar. 1	17.43	June 1	14.47	Sept. 1	12.56	Dec. 1	14.97
30	12.35	July 1	13.50				

121. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 5, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 81 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 41.73 below lsd, Sept. 29, 1960; lowest 54.18 below lsd, May 31, 1956. Records available: 1955-60.

Feb. 1	48.14	May 2	45.85	Aug. 1	45.64	Nov. 1	42.79
Mar. 1	48.14	June 1	43.64	Sept. 1	42.69	Dec. 1	43.68
Apr. 1	44.65	July 1	43.33	29	41.73		

122. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 18, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.07 below lsd, Aug. 1, 1958; lowest 23.01 below lsd, Oct. 1, 1956. Records available: 1955-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	18.63	June 1	17.92	Sept. 1	12.81	Nov. 1	17.22
Mar. 1	18.60	July 1	16.97	29	16.09	Dec. 1	18.66
May 2	17.50	Aug. 1	19.27				

123. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 43 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.84 below lsd, May 1, 1957; lowest 38.54 below lsd, Dec. 31, 1956. Records available: 1955-60.

Feb. 1	32.15	May 2	29.62	Aug. 1	30.00	Nov. 1	27.75
Mar. 1	31.74	June 1	28.40	Sept. 1	26.68	Dec. 1	28.92
	30	July 1	27.68	29	26.59		

506. (C) W. G. Backhaus. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 28, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 139 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 1.71 below lsd, July 16, 1951; lowest 21.70 below lsd, Oct. 15, 1956. Records available: 1938-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.25	14.51	14.46	10.45	12.55	.....	12.33	15.33	10.91	11.88	12.94	13.67
10	15.32	14.38	14.43	11.41	6.58	.....	12.82	15.07	11.97	12.53	13.19	13.80
15	15.10	14.03	14.39	11.92	9.16	.....	13.56	15.10	12.65	12.44	13.11	13.64
20	14.84	14.04	14.21	12.30	10.43	.....	13.92	15.08	13.06	12.40	13.37	.....
25	14.88	14.18	11.12	12.51	11.87	.....	14.28	12.08	10.87	12.61	13.52	13.77
30	15.00	.....	8.42	12.80	12.07	.....	14.46	9.10	10.90	12.84	13.75	14.02

507. (C) W. G. Backhaus. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 44 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 3.23 below lsd, May 6, 1944; lowest 21.32 below lsd, Aug. 31, 1956. Records available: 1938-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	12.55	May 2	10.41	Aug. 1	15.80	Nov. 1	9.62
Mar. 1	11.65	June 1	10.70	Sept. 1	10.25	Dec. 1	11.03
	30	July 1	10.05	29	9.76		

736. (C) I. Ansel, Jr. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 12, T. 23 S., R. 3 W. Driven domestic water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 33 feet. Measuring point, base of pitcher pump, 4.70 feet above lsd. Highest water level 3.60 below lsd, July 1, 1952; lowest 12.81 below lsd, Dec. 31, 1956. Records available: 1950-60.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	8.59	May 2	6.53	Aug. 1	6.45	Nov. 1	7.12
Mar. 1	8.32	June 1	5.92	Sept. 1	6.78	Dec. 1	7.97
30	7.53	July 1	5.82	29	6.94		

817. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 1, T. 24 S., R. 2 W. Driven observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 21.46 below lsd, Oct. 1, 1956. Records available: 1938-60.

Feb. 1	17.01	May 2	14.95	Aug. 1	16.18	Nov. 1	14.59
Mar. 1	16.56	June 1	14.34	Sept. 1	13.69	Dec. 1	15.41
30	12.66	July 1	13.85	29	14.00		

821. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 29.93 below lsd, Apr. 1, 1957. Records available: 1938-60.

Feb. 1	28.54	May 2	28.50	Aug. 1	28.38	Nov. 1	28.00
Mar. 1	27.89	June 1	28.19	Sept. 1	28.42	Dec. 1	27.90
30	28.81	July 1	28.59	30	28.20		

824. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 22, T. 24 S., R. 1 W. Driven observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 3.60 below lsd, June 1, 1951; lowest 19.87 below lsd, Oct. 1, 1956. Records available: 1938-60.

Feb. 1	9.29	May 2	6.38	Aug. 1	8.03	Nov. 1	6.45
Mar. 1	8.70	June 1	4.41	Sept. 1	4.97	Dec. 1	6.95
30	6.80	July 1	5.82	29	6.51		

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

832. (C) City of Wichita. NE cor. sec. 19, T. 24 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 129 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.54 below lsd, July 1, 1957; lowest 24.85 below lsd, Dec. 31, 1956. Records available: 1938-49, 1955-60.

Feb. 1	19.27	May 2	17.37	Aug. 1	17.87	Nov. 1	16.20
Mar. 1	18.95	June 1	16.65	Sept. 29	14.98	Dec. 1	17.29
30	13.96	July 1	16.20				

833. (C) T. B. Burrows. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 19, T. 24 S., R. 1 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 25.23 below lsd, Mar. 1, 1957. Records available: 1938-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	19.90	May 2	18.29	Aug. 1	18.23	Nov. 1	16.93
Mar. 1	19.71	June 1	17.87	Sept. 1	17.02	Dec. 1	17.36
30	17.82	July 1	17.78	29	16.68		

839. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-60.

Feb. 1	26.70	May 2	26.15	Aug. 1	25.16	Nov. 1	24.09
Mar. 1	26.71	June 1	25.72	Sept. 1	24.93	Dec. 1	24.00
30	26.52	July 1	25.45	29	24.43		

853. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 13, T. 24 S., R. 2 W. Drilled observation water-table well in sand of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.82 below lsd, Oct. 2, 1951; lowest 21.86 below lsd, Mar. 1, 1957. Records available: 1938-60.

Feb. 1	16.75	May 2	15.20	Aug. 1	15.50	Nov. 1	13.80
Mar. 1	16.44	June 1	14.16	Sept. 1	13.79	Dec. 1	14.30
30	14.29	July 1	14.45	29	13.11		

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: 1938-60.

Feb. 1	12.39	May 2	10.22	Aug. 1	10.64	Sept 29	7.44
Mar. 1	12.22	June 1	9.29	Sept. 1	7.19	Nov. 1	8.14
30	9.44	July 1	9.20				

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, 1956-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	7.02	May 2	5.39	Aug. 1	6.56	Nov. 1	7.24
Mar. 1	6.48	June 1	5.39	Sept. 1	6.33	Dec. 1	7.46
30	5.07	July 1	5.55	29	6.85		

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 1¼ 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, 1954-60.

Feb. 1	38.92	May 2	38.80	Aug. 1	38.46	Nov. 1	37.51
Mar. 1	39.49	June 1	38.67	Sept. 1	38.36	Dec. 1	37.70
30	39.50	July 1	38.30	29	38.27		

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 1¼ 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, 1954-60.

Feb. 1	60.99	May 2	58.62	Aug. 1	50.02	Nov. 1	43.06
Mar. 1	62.01	June 1	58.66	Sept. 1	37.70	Dec. 1	47.73
30	59.41	July 1	48.73	29	59.97		

875. (C) A. B. Havelly. SE¼ SE¼ 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: 1939-60.

Feb. 1	2.22	May 2	+.27	Aug. 1	1.55	Sept. 29	1.84
Mar. 1	1.39	June 1	+.56	Sept. 1	1.74	Dec. 1	2.24
30	+.83	July 1	.09				

876. (C) A. B. Havelly. SE¼ SE¼ 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: 1939-60.

Feb. 1	25.84	May 2	25.17	Aug. 1	24.95	Sept. 29	24.75
Mar. 1	25.75	June 1	24.98	Sept. 1	22.95	Dec. 1	24.97
30	25.36	July 1	24.88				

877. (C) A. B. Havelly. SE¼ SE¼ sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top of plate on instrument shelf, 3.40

feet above lsd. Highest water level 8.50 below lsd, Jan. 2, 1959; lowest 19.21 below lsd, Aug. 5, 1956. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	11.90	May 2	10.98	Aug. 1	10.95	Nov. 1	10.93
Mar. 1	11.69	June 1	10.77	Sept. 1	11.15	Dec. 1	11.11
30	11.20	July 1	10.75	29	10.93		

878. (C) C. Cadwell. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 1, T. 24 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 16.25 below lsd, June 3, 1940; lowest 39.08 below lsd, Sept. 1, 1959. Records available: 1938-60.

Feb. 1	33.60	May 2	33.68	Aug. 1	33.50	Nov. 1	33.39
Mar. 1	33.74	June 1	33.56	Sept. 1	33.49	Dec. 1	33.33
30	33.72	July 1	33.60	29	33.42		

879. (C) C. Cadwell. SE cor. sec. 1, T. 24 S., R. 3 W. Drilled unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 241 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 40.59 below lsd, Oct. 30, 1959. Records available: 1938-60.

Feb. 1	36.52	May 2	36.49	Aug. 1	38.29	Nov. 1	38.62
Mar. 1	39.01	June 1	38.09	Sept. 1	38.61	Dec. 1	35.89
30	39.15	July 1	39.42	29	38.77		

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: 1938-60.

Feb. 1	14.35	May 2	14.21	Aug. 1	14.36	Nov. 1	15.48
Mar. 1	14.46	June 1	14.52	Sept. 1	14.87	Dec. 1	14.86
30	14.24	July 1	14.41	29	16.75		

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 16.09 below lsd, July 1, 1960. Records available: 1938-60.

Feb. 1	14.85	May 2	14.00	Aug. 1	14.90	Nov. 1	14.72
Mar. 1	15.19	June 1	14.52	Sept. 1	14.42	Dec. 1	15.55
30	15.04	July 1	16.09	29	14.72		

884. (C) Maggie Holle. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 38.30 below lsd, May 1, 1957. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.82	May 2	29.94	Aug. 1	30.73	Nov. 1	29.90
Mar. 1	31.51	June 1	29.50	Sept. 1	30.07	Dec. 1	29.30
30	30.92	July 1	29.90	29	29.18		

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: 1939-60.

Feb. 1	33.25	May 2	29.80	Aug. 1	32.12	Nov. 1	31.32
Mar. 1	33.08	June 1	29.62	Sept. 1	31.41	Dec. 1	30.09
30	32.10	July 1	29.82	29	29.29		

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: 1939-60.

Jan. 25	23.03	Apr. 25	23.96	July 25	23.76	Oct. 25	23.64
Feb. 2	24.05	May 2	23.87	Aug. 1	24.90	Nov. 1	23.47
25	23.86	25	23.82	25	24.75	25	23.46
Mar. 1	24.70	June 1	24.27	Sept. 1	24.75	Dec. 1	24.82
25	22.93	24	24.93	26	23.45	Dec. 27	22.92
30	23.28	July 1	24.58	29	24.10		

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: 1939-60.

Feb. 1	24.76	May 2	24.52	Aug. 1	26.04	Nov. 1	23.97
Mar. 1	25.62	June 1	25.12	Sept. 1	24.62	Dec. 1	25.44
30	23.94	July 1	25.54	29	24.95		

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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	8.50	May 2	1.16	Aug. 1	4.66	Nov. 1	2.91
Mar. 1	5.36	June 1	2.13	Sept. 1	5.13	Dec. 1	3.52
30	0.41	July 1	2.49	30	5.64		

889. (C) C. K. Ellis. NW cor. sec. 17, T. 23 S., R. 2 W. Drilled unused water-table well in Pleistocene sand, diameter 1¼ 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: 1939-60.

Feb. 1	6.44	May 2	5.59	Aug. 1	7.75	Nov. 1	4.31
Mar. 1	7.30	June 1	5.35	Sept. 1	3.13	Dec. 1	6.11
30	4.29	July 1	5.15	29	2.84		

890a. (C) J. F. Jorgenson. NE cor. SE¼ SE¼ sec. 21, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 15 feet. Measuring point, top of pipe, 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: 1954-60.

Feb. 1	4.48	May 2	4.26	Aug. 1	5.58	Nov. 1	5.73
Mar. 1	5.23	June 1	4.61	Sept. 1	5.70	Dec. 1	6.10
30	4.10	July 1	4.89	29	5.87		

891. (C) Arthur McMurry. SE¼ SE¼ sec. 31, T. 24 S., R. 3 W. Driven unused water-table well in alluvium, diameter 1¼ 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: 1939-60.

Feb. 1	2.76	May 2	2.58	Aug. 1	3.88	Nov. 1	3.09
Mar. 1	2.81	June 1	3.00	Sept. 1	3.56	Dec. 1	3.64
30	1.71	July 1	3.02	29	3.68		

892. (C) Arthur McMurry. SE¼ SE¼ sec. 31, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-60.

Feb. 1	2.04	May 2	1.78	Aug. 1	3.05	Nov. 1	2.41
Mar. 1	2.05	June 1	2.22	Sept. 1	2.61	Dec. 1	2.93
30	.67	July 1	2.24	29	2.93		

893. (C) Arthur McMurry. SE¼ SE¼ sec. 31, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	1.85	May 2	1.50	Aug. 1	2.72	Nov. 1	2.22
Mar. 1	1.79	June 1	1.95	Sept. 1	2.53	Dec. 1	2.69
30	.36	July 1	1.98	29	2.68		

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: 1938-60.

Feb. 1	30.30	May 2	29.79	Aug. 1	30.05	Nov. 1	30.18
Mar. 1	30.11	June 1	29.97	Sept. 1	30.36	Dec. 1	30.05
30	30.06	July 1	30.02	29	30.34		

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: 1950-60.

Feb. 1	13.28	May 2	9.00	Aug. 1	10.57	Nov. 1	12.69
Mar. 1	11.93	June 1	8.42	Sept. 1	11.28	Dec. 1	13.09
30	9.26	July 1	8.59	29	12.26		

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 1 $\frac{1}{4}$  inches, depth 26 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.64 below lsd, July 9, 1951; lowest 24.25 below lsd, May 31, 1957. Records available: 1950-60.

Feb. 1	23.58	May 2	22.43	Aug. 1	22.20	Nov. 1	22.24
Mar. 1	22.64	June 1	22.32	Sept. 1	22.26	Dec. 1	22.28
30	22.43	July 1	22.22	29	22.26		

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 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.28 below lsd, May 1, 1945; lowest 22.73 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1940-49, 1954-60.

Feb. 1	17.32	May 2	15.78	Aug. 1	15.17	Nov. 1	14.02
Mar. 1	17.06	June 1	15.06	Sept. 1	10.86	Dec. 1	14.45
30	15.75	July 1	15.00	29	13.71		

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: 1950-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	15.66	May 2	13.82	Aug. 1	13.53	Nov. 1	11.98
Mar. 1	15.32	June 1	12.89	Sept. 1	11.34	Dec. 1	12.67
	30 13.08	July 1	12.84		29 11.23		

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: 1950-60.

Feb. 1	17.85	May 2	16.48	Aug. 1	16.83	Nov. 1	15.60
Mar. 1	17.67	June 1	15.76	Sept. 1	12.89	Dec. 1	16.36
	30 14.36	July 1	16.02		29 14.38		

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: 1941-60.

Feb. 1	19.08	May 2	17.88	Aug. 1	17.73	Nov. 1	16.45
Mar. 1	18.89	June 1	17.51	Sept. 1	16.54	Dec. 1	16.68
	30 18.69	July 1	17.22		29 16.44		

1187. (C) City of Wichita. NW cor. sec. 19, T. 24 S., R. 1 W. (erroneously reported as sec. 29 in previous reports). 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: 1941-60.

Feb. 1	13.15	May 2	10.91	Aug. 1	12.52	Nov. 1	10.41
Mar. 1	12.66	June 1	10.19	Sept. 1	3.53	Dec. 1	11.06
	30 7.49	July 1	9.99		29 9.05		

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, 1949-60.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	22.15	May 2	21.98	Aug. 1	22.48	Nov. 1	22.54
Mar. 1	22.01	June 1	22.10	Sept. 1	22.54	Dec. 1	22.75
30	20.48	July 1	22.10	29	22.55		

1190. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 15, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 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: 1950-60.

Feb. 1	27.50	May 2	26.75	Aug. 1	26.10	Nov. 1	25.18
Mar. 1	27.78	June 1	26.46	Sept. 1	25.92	Dec. 1	25.12
30	26.97	July 1	26.20	29	25.45		

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 1 $\frac{1}{4}$  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: 1950-60.

Feb. 1	13.17	May 2	11.03	Aug. 1	13.59	Nov. 1	10.87
Mar. 1	12.66	June 1	10.62	Sept. 1	9.16	Dec. 1	11.83
30	8.00	July 1	9.94	29	9.65		

1193. (C) J. W. McElwain. SE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 24, T. 23 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1950-60.

Feb. 1	7.38	May 2	4.82	Aug. 1	5.64	Nov. 1	5.93
Mar. 1	7.00	June 1	4.43	Sept. 1	4.68	Dec. 1	6.39
30	4.34	July 1	4.41	29	5.09		

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, 1952-60.

Feb. 1	8.48	May 2	4.78	Aug. 1	5.81	Nov. 1	7.13
Mar. 1	7.71	June 1	4.18	Sept. 1	5.70	Dec. 1	7.65
30	4.39	July 1	3.96	29	6.25		

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, 1952-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	3.73	May 2	2.30	Aug. 1	3.71	Nov. 1	4.24
Mar. 1	3.46	June 1	2.58	Sept. 1	3.80	Dec. 1	4.51
30	2.33	July 1	2.90	29	4.20		

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: 1941-60.

Feb. 1	40.41	May 2	40.31	Aug. 1	40.20	Nov. 1	40.12
Mar. 1	40.40	June 1	40.27	Sept. 1	40.18	Dec. 1	40.09
30	40.42	July 1	40.28	29	40.17		

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: 1950-60.

Feb. 1	23.64	May 2	22.63	Aug. 1	21.77	Nov. 1	20.93
Mar. 1	23.51	June 1	22.20	Sept. 1	21.69	Dec. 1	21.02
30	23.05	July 1	21.94	29	21.07		

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 1 $\frac{1}{4}$  inches, depth 37 feet. Well located in dry creek bed. 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, 1949-60.

Feb. 1	19.70	May 2	18.31	Aug. 1	17.95	Nov. 1	17.41
Mar. 1	19.44	June 1	17.96	Sept. 1	16.52	Dec. 1	17.68
30	17.65	July 1	17.48	29	17.00		

3001. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 30, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 48 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 19.12 below lsd, Sept. 30, 1955; lowest 30.12 below lsd, Aug. 31, 1956. Records available: 1951-60.

Feb. 1	27.75	May 2	27.13	Aug. 1	27.56	Nov. 1	26.72
Mar. 1	27.68	June 1	19.21	Sept. 1	27.54	Dec. 1	26.89
30	27.48	July 1	27.56	29	27.24		

3002. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 20 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.38 below lsd, Oct. 1, 1956. Records available: 1950-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	6.94	May 2	5.91	Aug. 1	6.01	Nov. 1	6.49
Mar. 1	6.75	June 1	5.69	Sept. 1	6.28	Dec. 1	6.65
30	5.88	July 1	5.63	29	6.45		

3003. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 32, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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. The Sept. 1, 1959 measurement was erroneously reported as 16.58; it should read 6.58. Records available: 1950-60.

Feb. 1	6.42	May 2	4.99	Aug. 1	5.84	Nov. 1	5.75
Mar. 1	5.95	June 1	5.13	Sept. 1	5.67	Dec. 1	6.12
30	5.30	July 1	5.10	29	5.37		

3005. (C) Sally McFarland and others. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 63 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 39.66 below lsd, Nov. 1, 1960; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-60.

Feb. 1	45.10	May 2	40.93	Aug. 1	47.75	Nov. 1	39.66
Mar. 1	42.81	June 1	41.84	Sept. 1	44.29	Dec. 1	41.70
30	40.19	July 1	41.99	29	41.12		

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 1 $\frac{1}{4}$  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: 1950-60.

Feb. 1	19.60	May 2	18.99	Aug. 1	18.84	Nov. 1	19.06
Mar. 1	19.43	June 1	18.82	Sept. 1	18.94	Dec. 1	19.16
30	19.22	July 1	18.81	29	18.97		

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 1 $\frac{1}{4}$  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: 1950-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	23.59	May 2	23.41	Aug. 1	23.12	Nov. 1	22.64
Mar. 1	23.53	June 1	23.34	Sept. 1	23.13	Dec. 1	22.65
30	23.48	July 1	23.29	29	22.77		

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: 1950-60.

Feb. 1	22.46	May 2	20.95	Aug. 1	22.09	Nov. 1	20.12
Mar. 1	22.33	June 1	20.81	Sept. 1	21.87	Dec. 1	20.49
30	20.73	July 1	20.78	29	19.98		

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: 1950-60.

Feb. 1	4.43	May 2	3.28	Aug. 1	5.00	Nov. 1	5.13
Mar. 1	4.14	June 1	3.82	Sept. 1	5.08	Dec. 1	5.35
30	2.85	July 1	4.20	29	5.29		

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: 1950-60.

Feb. 1	17.59	May 2	17.32	Aug. 1	17.25	Nov. 1	16.96
Mar. 1	17.61	June 1	17.20	Sept. 1	17.33	Dec. 1	17.43
30	17.46	July 1	17.17	29	17.29		

3036. (C) City of Wichita. SE¼ SW¼ SE¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 34.69 below lsd, Apr. 1, 1959. Records available: 1950-60.

Feb. 1	29.80	May 2	28.65	Aug. 1	29.02	Nov. 1	28.47
Mar. 1	29.42	June 1	28.49	Sept. 1	29.24	Dec. 1	29.33
30	28.86	July 1	28.67	29	29.39		

3037. (C) City of Wichita. NE¼ NW¼ NE¼ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1950-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	45.78	May 2	43.37	Sept. 1	44.86	Nov. 1	41.55
Mar. 1	45.98	June 1	44.92	29	43.89	Dec. 1	44.04
30	43.77	July 1	45.48				

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: 1950-60.

Feb. 1	42.59	May 2	39.85	Aug. 1	44.89	Nov. 1	38.95
Mar. 1	42.51	June 1	41.18	Sept. 1	41.87	Dec. 1	40.56
30	39.72	July 1	41.60	29	40.11		

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: 1950-60.

Feb. 1	10.88	May 2	9.00	Sept. 1	9.20	Nov. 1	8.79
Mar. 1	10.85	June 1	8.77	29	8.23	Dec. 1	9.52
30	8.21	Aug. 1	11.19				

\*\*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: 1939-60.

Feb. 1	85.00	May 2	78.00	Aug. 1	38.00	Nov. 1	88.00
Mar. 1	32.50	June 1	88.00	Sept. 1	88.00	Dec. 1	86.00
Apr. 1	31.50	July 1	88.00	30	88.50		

M-1b. (C) City of Wichita. NW cor. sec. 29, T. 23 S., R. 2 W., 492 feet southwest of M-1. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 15.94 below lsd, June 3, 1940; lowest 41.72 below lsd, Aug. 1, 1957. Records available: 1939-60.

\*\* The prefix M indicates that the well is a City of Wichita municipal well; the suffix r(1960) indicates a replacement in 1960 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 from 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
Feb. 1	34.42	May 2	27.96	Aug. 1	32.82	Nov. 1	31.05
Mar. 1	28.56	June 1	33.54	Sept. 1	33.86	Dec. 1	32.25
Apr. 1	27.64	July 1	33.24	30	32.88		

M-2. (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 234 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 18.33 below lsd, May 4, 1939; lowest 168.00 below lsd, Sept. 30, 1955. Records available: 1939-59. Measurement discontinued.

M-2r(1960). (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, screened 182-202, 211-231. 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.

Feb. 1	41.66	May 2	42.00	Aug. 1	88.50	Nov. 1	40.00
Mar. 1	43.48	June 1	44.00	Sept. 1	46.50	Dec. 1	44.00
Apr. 1	83.00	July 1	44.00	30	44.50		

M-2b. (C) City of Wichita. NW¼ SW¼ sec. 29, T. 23 S., R. 2 W., 500 feet southwest of M-2. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 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: 1939-60.

Feb. 1	40.52	May 2	35.95	Aug. 1	42.83	Nov. 1	34.58
Mar. 1	38.76	June 1	38.51	Sept. 1	39.49	Dec. 1	38.26
Apr. 1	36.97	July 1	39.20	30	39.21		

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. Records available: 1939-60.

Feb. 1	46.50	May 2	42.00	Aug. 1	51.00	Nov. 1	38.00
Mar. 1	106.00	June 1	43.00	Sept. 1	43.00	Dec. 1	45.00
Apr. 1	44.00	July 1	44.50	30	45.50		

M-3b. (C) City of Wichita. SE¼ SE¼ sec. 30, T. 23 S., R. 2 W., 500 feet southwest of M-3. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	45.12	May 2	40.84	Aug. 1	48.42	Nov. 1	36.15
Mar. 1	45.09	June 1	42.59	Sept. 1	43.64	Dec. 1	42.99
Apr. 1	42.46	July 1	43.80	30	44.12		

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: 1939-60.

Feb. 1	109.00	May 2	40.00	Aug. 1	48.50	Nov. 1	37.00
Mar. 1	42.50	June 1	41.00	Sept. 1	113.00	Dec. 1	41.00
Apr. 1	42.00	July 1	41.00	30	41.00		

M-4b.(C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W., 462 feet southwest of M-4. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 97 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.13 below lsd, May 27, 1940; lowest 61.88 below lsd, Aug. 1, 1957. Records available: 1939-60.

Feb. 1	50.65	May 2	41.12	Aug. 1	50.39	Nov. 1	37.83
Mar. 1	43.86	June 1	42.72	Sept. 1	43.68	Dec. 1	43.13
Apr. 1	42.61	July 1	43.95	30	44.08		

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: 1939-60.

Feb. 1	48.00	May 2	40.50	Aug. 1	130.00	Nov. 1	38.00
Mar. 1	43.50	June 1	47.00	Sept. 1	39.00	Dec. 1	131.00
Apr. 1	39.50	July 1	50.00	30	131.50		

M-5b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W., 500 feet southwest of M-5. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 59 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.82 below lsd, May 27, 1940; lowest 43.00 below lsd, Feb. 27, 1947. Records available: 1939-60.

Feb. 1	37.78	May 2	37.48	Aug. 1	37.73	Nov. 1	36.10
Mar. 1	38.13	June 1	37.41	Sept. 1	37.08	Dec. 1	36.83
Apr. 1	37.75	July 1	37.72	30	37.59		

M-6. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 257 feet. Measuring point, top of

casing, 2.00 feet above lsd. Highest water level 10.10 below lsd, Apr. 2, 1951; lowest 133.00 below lsd, Sept. 2, 1958. Records available: 1939-59. Measurements discontinued July 1959. Subsequent measurements reported in Bulletin 146 should be transferred to M-6r.

M-6r(1959). (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, screened 136-141, 178-198, 230-250. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 35.50 below lsd, Sept. 1, 1960; lowest 89.00 below lsd, Sept. 30, 1960. Records available: 1959-60. Measurements of July 1 to Dec. 31, 1959 were erroneously reported in Bulletin 146 for well M-6.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	83.00	May 2	83.50	Aug. 1	36.00	Nov. 1	36.00
Mar. 1	85.00	June 1	85.00	Sept. 1	35.50	Dec. 1	36.50
Apr. 1	80.50	July 1	86.00	30	89.00		

M-6b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W., 500 feet northwest of M-6. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.46 below lsd, June 3, 1940; lowest 41.55 below lsd, July 31, 1953. Records available: 1939-60.

Feb. 1	39.27	May 2	39.19	Aug. 1	38.91	Nov. 1	37.58
Mar. 1	39.73	June 1	39.03	Sept. 1	38.63	Dec. 1	38.18
Apr. 1	39.60	July 1	39.09	30	39.02		

M-7. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 257 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 15.93 below lsd, May 27, 1940; lowest 121.00 below lsd, Sept. 30, Nov. 11, Dec. 1, 1955. Records available: 1939-57. Measurement discontinued March 1957. Subsequent measurements reported in Bulletins 131, 141, and 146 should be transferred to M-7r.

M-7r(1957). (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, screened 217-252. 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: 1957-60. Measurements of March 1957 to Dec. 31, 1959 were erroneously reported in Bulletins 131, 141, and 146 for well M-7.

Feb. 1	101.00	May 2	43.00	Aug. 1	101.00	Nov. 1	102.00
Mar. 1	102.50	June 1	45.50	Sept. 1	100.00	Dec. 1	102.00
Apr. 1	45.00	July 1	44.50	30	43.00		

M-7b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W., 500 feet northeast of M-7. Drilled observation water-table well in sand and



gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 54 feet. Measuring point, top of pipe, 3.87 feet above lsd. Highest water level 13.30 below lsd, June 3, 1940; lowest 40.51 below lsd, Dec. 5, 1957. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	35.49	June 1	35.32	Sept. 1	35.26	Nov. 1	35.07
Mar. 1	36.07	July 1	35.43	30	34.95	Dec. 1	35.05
Apr. 1	36.26	Aug. 1	35.23				

M-7d. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W., 250 feet from M-7. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 255 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 42.55 below lsd, Oct. 1, 1959; lowest 65.84 below lsd, Jan. 31, 1958. Records available: 1957-60.

Feb. 1	63.85	May 2	44.24	Aug. 1	61.95	Nov. 1	59.89
Mar. 1	64.44	June 1	47.00	Sept. 1	60.15	Dec. 1	61.10
Apr. 1	46.68	July 1	46.14	30	44.86		

M-8. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 248 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.82 below lsd, May 27, 1940; lowest 88.00 below lsd, Aug. 31, 1956. Records available: 1939-59. Measurement discontinued April 1959. Subsequent measurements reported in Bulletin 146 should be transferred to M-8r.

M-8r (1959). (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, screened 149-174, 195-220. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 34.00 below lsd, Sept. 1, 1959, May 2, Aug. 1, Sept. 30, 1960; lowest 68.00 below lsd, Nov. 1, Dec. 1, 1960. Records available: 1959-60. Records of April 1 to Dec. 31, 1959 were erroneously reported in Bulletin 146 for well M-8.

Feb. 1	67.00	May 2	34.00	Aug. 1	34.00	Nov. 1	68.00
Mar. 1	67.50	June 1	35.00	Sept. 1	34.50	Dec. 1	68.00
Apr. 1	67.50	July 1	67.00	30	34.00		

M-8b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W., 500 feet southwest of M-8. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 9.12 below lsd, May 27, 1940; lowest 37.02 below lsd, July 1, 1958. Records available: 1939-60.

Feb. 1	32.76	May 2	32.19	Aug. 1	31.56	Nov. 1	32.40
Mar. 1	32.72	June 1	31.81	Sept. 1	32.23	Dec. 1	32.22
Apr. 1	33.14	July 1	32.53	30	32.15		

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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.00	May 2	30.50	Aug. 1	30.00	Nov. 1	31.00
Mar. 1	31.00	June 1	66.00	Sept. 1	67.00	Dec. 1	30.50
Apr. 1	30.00	July 1	66.00	30	69.00		

M-9b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W., 500 feet northwest of M-9. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.67 below lsd, May 27, 1940; lowest 36.33 below lsd, Nov. 30, 1956. Records available: 1939-60.

Feb. 1	30.84	May 2	30.58	Aug. 1	30.00	Nov. 1	30.61
Mar. 1	30.74	June 1	31.02	Sept. 1	31.60	Dec. 1	30.35
Apr. 1	30.96	July 1	31.06	30	31.52		

M-10. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 259 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 12.05 below lsd, May 27, 1940; lowest 99.00 below lsd, Aug. 2, 1954. Records available: 1939-57. Measurement discontinued April 1957. Subsequent measurements reported in Bulletins 131, 141, and 146 should be transferred to M-10r.

M-10r(1957). (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, screened 145-160, 198-203, 217-237. 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: 1957-60. Measurements of Apr. 1, 1957 to Dec. 31, 1959 were erroneously reported in Bulletins 131, 141, and 146 for well M-10.

Feb. 1	97.00	June 1	100.00	Sept. 1	38.00	Nov. 1	37.00
Apr. 1	98.00	July 1	39.50	30	36.00	Dec. 1	37.00
May 2	39.00	Aug. 1	37.00				

M-10b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W., 500 feet northwest of M-10. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 10.44 below lsd, May 27, 1940; lowest 39.45 below lsd, July 1, 1958. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	35.24	May 2	34.07	Aug. 1	33.66	Nov. 1	34.04
Mar. 1	35.59	June 1	34.39	Sept. 1	34.00	Dec. 1	33.92
Apr. 1	35.69	July 1	34.31	30	33.80		

M-10d. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W., 150 feet from M-10. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 230 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 38.09 below lsd, Nov. 2, 1959; lowest 65.14 below lsd, Dec. 5, 1957. Records available: 1957-60. Feb. 1, 57.40; Mar. 1, 56.24; Sept. 30, 38.10; Dec. 1, 38.60.

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: 1939-60.

Feb. 1	33.50	May 2	91.00	Sept. 1	33.50	Nov. 1	33.00
Mar. 1	34.00	July 1	34.00	30	33.00	Dec. 1	33.00
Apr. 1	33.00	Aug. 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., 500 feet southwest of M-11. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.49 below lsd, May 27, 1940; lowest 41.20 below lsd, Oct. 1, 1956. Records available: 1939-60.

Feb. 1	33.72	May 2	33.94	Aug. 1	34.18	Nov. 1	33.53
Mar. 1	33.54	June 1	33.54	Sept. 1	33.93	Dec. 1	33.40
Apr. 1	33.36	July 1	33.54	30	33.76		

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: 1939-60.

Feb. 1	35.50	May 2	33.50	Aug. 1	92.00	Nov. 1	34.00
Mar. 1	38.00	June 1	93.00	Sept. 1	34.00	Dec. 1	35.50
Apr. 1	35.00	July 1	93.00	30	93.00		

M-12b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W., 500 feet southwest of M-12. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 47.92 below lsd, Dec. 1, 1958. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	34.90	May 2	34.00	Aug. 1	38.91	Nov. 1	33.90
Mar. 1	37.09	June 1	38.83	Sept. 1	33.56	Dec. 1	35.62
Apr. 1	34.26	July 1	40.04	30	38.84		

M-13. (C) City of Wichita. NW¼ NE¼ 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: 1939-60.

Feb. 1	30.00	May 2	30.00	Aug. 1	68.50	Nov. 1	31.00
Mar. 1	30.50	June 1	30.00	Sept. 1	68.00	Dec. 1	31.00
Apr. 1	30.00	July 1	67.50	30	30.50		

M-13b. (C) City of Wichita. NW¼ NE¼ sec. 17, T. 24 S., R. 2 W., 500 feet northeast of M-13. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-60.

Feb. 1	30.30	May 2	29.81	Aug. 1	30.92	Nov. 1	30.86
Mar. 1	29.94	June 1	30.14	Sept. 1	30.98	Dec. 1	30.20
Apr. 1	29.66	July 1	30.80	30	30.94		

M-14. (C) City of Wichita. NW¼ NW¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 102 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.07 below lsd, May 27, 1940; lowest 70.00 below lsd, July 31, 1959. Records available: 1939-60. Mar. 1, 32.00; Apr. 1, 32.00; May 2, 32.50; June 1, 31.50. Measurement discontinued.

M-14r (1960). (C) City of Wichita. NW¼ NW¼ 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, screened 125-150, 160-180, 194-204. 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. 1, 1960. Records available: 1960. July 1, 32.00; Aug. 1, 31.50; Dec. 1, 62.00.

M-14b. (C) City of Wichita. SW¼ SW¼ sec. 9, T. 24 S., R. 2 W., 500 feet northwest of M-14. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ 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: 1939-60.

Feb. 1	30.95	May 2	31.21	Aug. 1	31.13	Nov. 1	31.15
Mar. 1	30.68	June 1	30.72	Sept. 1	31.25	Dec. 1	31.42
Apr. 1	30.74	July 1	31.35	30	40.10		

M-15. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 122 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 11.03 below lsd, June 13, 1939; lowest 68.00 below lsd, May 1, 1957, Mar. 3, 1958. Records available: 1939-60. Feb. 1, 31.31. Measurement discontinued.

M-15r(1960). (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 244 feet, screened 71-96, 109-114, 153-158, 180-185, 196-204, 219-244. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 34.00 below lsd, Sept. 30, 1960; lowest 52.00 below lsd, Dec. 1, 1960. Records available: 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1	49.00	July 1	50.00	Sept. 1	50.00	Nov. 1	51.00
May 2	51.00	Aug. 1	50.50	30	34.00	Dec. 1	52.00
June 1	50.50						

M-15b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W., 500 feet northwest of M-15. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 11.24 below lsd, Aug. 21, 1939; lowest 40.12 below lsd, Mar. 1, 1957. Records available: 1939-60.

Feb. 1	31.09	May 2	34.63	Aug. 1	32.67	Nov. 1	33.77
Mar. 1	30.84	June 1	33.54	Sept. 1	33.74	Dec. 1	34.23
Apr. 1	31.93	July 1	33.28	30	33.66		

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: 1939-60.

Feb. 1	34.00	May 2	32.00	Aug. 1	34.00	Nov. 1	63.00
Mar. 1	35.00	June 1	64.00	Sept. 1	64.50	Dec. 1	63.50
Apr. 1	64.00	July 1	34.00	30	64.50		

M-16b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W., 500 feet northeast of M-16. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 13.45 below lsd, May 27, 1940; lowest 47.30 below lsd, Aug. 1, 1956. Records available: 1939-60.

Feb. 1	34.16	May 2	32.27	Aug. 1	34.45	Nov. 1	34.38
Mar. 1	34.54	June 1	34.86	Sept. 1	35.18	Dec. 1	34.54
Apr. 1	34.98	July 1	33.74	30	34.82		

M-17. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.71 below lsd, Aug. 21, 1939; lowest 90.00 below lsd, July 1, 1958. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	84.50	May 2	84.00	Aug. 1	86.00	Nov. 1	32.00
Mar. 1	84.00	June 1	31.00	Sept. 1	31.00	Dec. 1	31.00
Apr. 1	32.00	July 1	86.00	30	31.50		

M-17b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W., 500 feet northeast of M-17. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 56 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.02 below lsd, May 27, 1940; lowest 38.28 below lsd, May 31, 1957. Records available: 1939-60.

Feb. 1	32.63	May 2	31.12	Aug. 1	31.29	Nov. 1	30.45
Mar. 1	32.66	June 1	31.19	Sept. 1	31.20	Dec. 1	30.72
Apr. 1	31.95	July 1	31.57	30	30.94		

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: 1939-60.

Feb. 1	27.00	May 2	62.00	Sept. 1	62.00	Nov. 1	25.43
Mar. 1	26.00	July 1	22.00	30	63.00	Dec. 1	25.00
Apr. 1	61.50	Aug. 1	25.00				

M-18b. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W., 500 feet northeast of M-18. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.01 below lsd, Aug. 21, 1939; lowest 35.48 below lsd, Mar. 1, 1956. Records available: 1939-60.

Feb. 1	24.22	May 2	23.50	Aug. 1	22.70	Nov. 1	22.30
Mar. 1	23.90	June 1	22.66	Sept. 1	23.02	Dec. 1	22.07
Apr. 1	23.69	July 1	22.59	30	22.75		

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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	28.00	May 2	54.00	Aug. 1	27.00	Nov. 1	27.00
Mar. 1	29.00	June 1	54.00	Sept. 1	27.00	Dec. 1	26.50
Apr. 1	28.00	July 1	55.00	30	27.00		

M-19b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W., 500 feet southwest of M-19. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 9.38 below lsd, Aug. 21, 1939; lowest 37.58 below lsd, May 1, 1957. Records available: 1939-60.

Feb. 1	27.70	May 2	31.69	Aug. 1	27.10	Nov. 1	26.56
Mar. 1	28.34	June 1	30.41	Sept. 1	27.15	Dec. 1	27.20
Apr. 1	27.84	July 1	32.26	30	27.39		

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: 1939-60.

Feb. 1	56.50	May 2	28.00	Aug. 1	51.00	Nov. 1	28.00
Mar. 1	56.00	June 1	29.00	Sept. 1	51.00	Dec. 1	27.50
Apr. 1	28.00	July 1	30.00	30	49.00		

M-20b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 27, T. 24 S., R. 2 W., 500 feet northwest of M-20. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.47 below lsd, Aug. 21, 1939; lowest 35.86 below lsd, Mar. 1, 1956. Records available: 1939-60.

Feb. 1	29.41	May 2	28.40	Aug. 1	28.30	Nov. 1	27.48
Mar. 1	28.50	June 1	28.16	Sept. 1	28.18	Dec. 1	27.40
Apr. 1	28.81	July 1	28.34	30	27.72		

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. No measurement made in 1960.

M-21b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W., 500 feet northwest of M-21. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.08 below lsd, Aug. 21, 1939; lowest 31.65 below lsd, May 1, 1957. Records available: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	26.10	May 2	25.48	Aug. 1	24.77	Nov. 1	23.70
Mar. 1	25.79	June 1	25.36	Sept. 1	24.46	Dec. 1	23.73
Apr. 1	25.85	July 1	25.14	30	24.32		

M-22. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 82 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, Aug. 21, 1939; lowest 68.00 below lsd, July 31, Sept. 1, 1959. Records available: 1939-60. Feb. 1, 29.00; Mar. 1, 28.50; Apr. 1, 28.00; May 2, 64.00; June 1, 28.00; July 1, 27.00. Measurement discontinued.

M-22r(1960). (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, screened 148-188. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 26.25 below lsd, Aug. 1, 1960; lowest 86.00 below lsd, Dec. 1, 1960. Records available: 1960. Aug. 1, 26.25; Dec. 1, 86.00

M-22b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W., 500 feet southwest of M-22. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 50 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 9.28 below lsd, Aug. 21, 1939; lowest 34.04 below lsd, Aug. 1, 1957. Records available: 1939-60.

Feb. 1	28.10	May 2	28.17	Aug. 1	25.99	Nov. 1	24.80
Mar. 1	27.69	June 1	27.04	Sept. 1	25.68	Dec. 1	24.87
Apr. 1	27.21	July 1	26.44	30	25.49		

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: 1939-60.

Feb. 1	60.00	May 2	30.00	Aug. 1	53.00	Nov. 1	26.00
Mar. 1	54.00	June 1	54.00	Sept. 1	24.00	Dec. 1	54.00
Apr. 1	26.00	July 1	55.00	30	51.00		

M-23b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W., 500 feet northeast of M-23. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.50 below lsd, Aug. 21, 1939; lowest 32.71 below lsd, May 1, 1957. Records available: 1939-60.

Feb. 1	25.98	May 2	25.81	Aug. 1	25.04	Nov. 1	23.47
Mar. 1	26.08	June 1	25.16	Sept. 1	24.35	Dec. 1	23.75
Apr. 1	25.76	July 1	25.25	30	23.81		



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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1	26.50	June 1	25.00	Sept. 1	43.00	Nov. 1	23.00
Apr. 1	26.00	July 1	24.50	30	24.00	Dec. 1	23.00
May 2	26.00	Aug. 1	25.50				

M-24b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W., 500 feet southwest of M-24. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.17 below lsd, Aug. 28, 1939; lowest 37.05 below lsd, May 1, 1957. Records available: 1939-60.

Feb. 1	28.69	May 2	28.20	Aug. 1	27.68	Nov. 1	25.81
Mar. 1	28.51	June 1	27.51	Sept. 1	28.18	Dec. 1	26.45
Apr. 1	28.14	July 1	27.27	30	26.52		

M-25. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 36, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 189 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 59.76 below lsd, Oct. 1, 1953. Records available: 1939-60.

Feb. 1	24.00	May 2	49.00	Aug. 1	21.00	Nov. 1	48.00
Mar. 1	48.00	June 1	47.50	Sept. 1	21.00	Dec. 1	21.00
Apr. 1	23.00	July 1	22.00	30	47.00		

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: 1949-60.

Feb. 1	67.00	May 2	24.14	Aug. 1	25.00	Nov. 1	66.00
Mar. 1	26.00	June 1	26.00	Sept. 1	65.00	Dec. 1	25.00
Apr. 1	25.00	July 1	24.50	30	25.00		

M-26b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W., 500 feet southwest of M-26. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 79 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 11.62 below lsd, July 7, 1948; lowest 31.14 below lsd, Apr. 1, 1957. Records available: 1947-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	25.06	May 2	23.50	Aug. 1	23.37	Nov. 1	23.21
Mar. 1	24.45	June 1	23.70	Sept. 1	23.77	Dec. 1	23.03
Apr. 1	23.69	July 1	23.14	30	22.92		

M-41. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.50 feet above lsd. Highest water level 22.00 below lsd, Dec. 1, 1960; lowest 129.24 below lsd, Nov. 2, 1959. Records available: 1958-60.

Feb. 1	23.95	May 2	24.50	Aug. 1	34.50	Nov. 1	124.50
Mar. 1	36.00	June 1	32.50	Sept. 1	34.50	Dec. 1	22.00
Apr. 1	127.50	July 1	35.50	30	124.00		

M-41b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet northeast of M-41. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.60 below lsd, Nov. 1, 1958; lowest 13.85 below lsd, Sept. 30, 1960. Records available: 1958-60.

Feb. 1	13.68	May 2	13.59	Aug. 1	13.60	Nov. 1	13.80
Mar. 1	13.83	June 1	13.71	Sept. 1	13.68	Dec. 1	13.82
Apr. 1	13.81	July 1	13.74	30	13.85		

M-41d. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet northeast of M-41. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 223 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.63 below lsd, May 1, 1959; lowest 66.69 below lsd, Nov. 2, 1959. Records available: 1957-60.

Feb. 1	24.40	May 2	25.89	Aug. 1	36.11	Nov. 1	61.79
Mar. 1	36.30	June 1	34.29	Sept. 1	36.35	Dec. 1	23.27
Apr. 1	62.62	July 1	37.38	30	62.51		

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: 1958-60.

Feb. 1	27.50	May 2	28.32	Aug. 1	112.30	Nov. 1	39.44
Mar. 1	113.09	June 1	113.22	Sept. 1	114.63	Dec. 1	25.21
Apr. 1	39.52	July 1	40.78	30	42.12		

M-42b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet southeast of M-42. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 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: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	16.46	May 2	16.56	Aug. 1	16.51	Nov. 1	16.80
Mar. 1	16.69	June 1	16.85	Sept. 1	16.43	Dec. 1	16.90
Apr. 1	16.50	July 1	16.83	30	17.12		

M-42d. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet southeast of M-42. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 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: 1958-60.

Feb. 1	26.74	May 2	28.69	Aug. 1	66.07	Nov. 1	39.19
Mar. 1	66.30	June 1	65.45	Sept. 1	67.07	Dec. 1	25.55
Apr. 1	39.31	July 1	41.35	30	42.34		

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: 1958-60.

Feb. 1	16.66	May 2	17.88	Aug. 1	19.67	Nov. 1	17.40
Mar. 1	20.05	June 1	19.76	Sept. 1	18.42	Dec. 1	17.42
Apr. 1	17.46	July 1	69.30	30	68.50		

M-43d. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet southeast of M-43. 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: 1958-60.

Feb. 1	24.11	May 2	25.59	Aug. 1	34.46	Nov. 1	29.06
Mar. 1	34.56	June 1	33.86	Sept. 1	35.06	Dec. 1	22.37
Apr. 1	28.30	July 1	47.90	30	45.58		

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: 1958-60.

Feb. 1	45.98	May 2	45.52	Aug. 1	44.75	Nov. 1	12.23
Mar. 1	45.41	June 1	11.85	Sept. 1	11.92	Dec. 1	46.90
Apr. 1	11.85	July 1	12.68	30	13.49		

M-44b. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet southwest of M-44. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.65 below lsd, Oct. 2, 1958; lowest 20.50 below lsd, Dec. 1, 1960. Records available: 1958-60

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	19.35	May 2	19.54	Aug. 1	19.45	Nov. 1	12.15
Mar. 1	19.69	June 1	11.68	Sept. 1	11.81	Dec. 1	20.50
Apr. 1	11.73	July 1	12.18	30	13.02		

M-44d. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W., 240 feet southwest of M-44. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 114 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 9.40 below lsd, Oct. 2, 1958; lowest 24.16 below lsd, Dec. 1, 1960. Records available: 1958-60.

Feb. 1	22.70	May 2	23.37	Aug. 1	22.99	Nov. 1	12.68
Mar. 1	23.48	June 1	12.51	Sept. 1	12.43	Dec. 1	24.16
Apr. 1	12.33	July 1	13.67	30	14.42		

M-45. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, T. 24 S., R. 3 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 167 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 12.27 below lsd, Dec. 31, 1958; lowest 57.43 below lsd, Dec. 31, 1959. Records available: 1958-60.

Feb. 1	15.18	May 2	15.18	Aug. 1	17.03	Nov. 1	14.96
Mar. 1	14.68	June 1	55.36	Sept. 1	17.35	Dec. 1	56.10
Apr. 1	56.66	July 1	19.62	30	57.07		

M-45b. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-45. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.64 below lsd, Oct. 2, 1958; lowest 13.02 below lsd, Oct. 1, 1959. Records available: 1958-60.

Feb. 1	12.40	May 2	11.62	Aug. 1	11.66	Nov. 1	12.14
Mar. 1	12.04	June 1	11.28	Sept. 1	12.00	Dec. 1	12.31
Apr. 1	11.96	July 1	11.25	30	12.35		

M-45d. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-45. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 152 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.08 below lsd, Oct. 2, 1958; lowest 41.98 below lsd, Oct. 1, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	17.38	May 2	18.28	Aug. 1	21.72	Nov. 1	17.07
Mar. 1	16.71	June 1	36.34	Sept. 1	22.12	Dec. 1	36.65
Apr. 1	36.28	July 1	26.22	30	40.74		

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: 1958-60.

Feb. 1	13.42	May 2	41.38	Aug. 1	14.00	Nov. 1	13.96
Mar. 1	12.96	June 1	12.69	Sept. 1	13.26	Dec. 1	13.45
Apr. 1	12.64	July 1	12.83	30	15.49		

M-46b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-46. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 50 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 9.80 below lsd, Oct. 2, 1958; lowest 15.76 below lsd, Sept. 1, 1959. Records available: 1958-60.

Feb. 1	13.30	May 2	14.48	Aug. 1	13.06	Nov. 1	13.43
Mar. 1	12.84	June 1	12.09	Sept. 1	13.07	Dec. 1	13.27
Apr. 1	12.38	July 1	12.31	30	13.54		

M-46d. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, T. 24 S., R. 3 W., 240 feet southeast of M-46. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 109 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.35 below lsd, Dec. 1, 1958; lowest 34.22 below lsd, July 1, 1959. Records available: 1958-60.

Feb. 1	17.21	May 2	29.08	Aug. 1	20.89	Nov. 1	16.02
Mar. 1	16.28	June 1	20.81	Sept. 1	23.47	Dec. 1	22.31
Apr. 1	22.41	July 1	26.99	30	23.69		

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: 1958-60.

Feb. 1	19.46	May 2	19.34	Aug. 1	74.80	Nov. 1	18.99
Mar. 1	18.89	June 1	20.85	Sept. 1	75.26	Dec. 1	21.27
Apr. 1	20.38	July 1	77.24	30	76.48		

M-47b. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, T. 24 S., R. 3 W., 240 feet southeast of M-47. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 46 feet. Measuring

point, top of pipe, 1.00 foot above lsd. Highest water level 10.85 below lsd, July 3, 1958; lowest 17.54 below lsd, Dec. 31, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	16.59	May 2	15.67	Aug. 1	16.34	Nov. 1	16.15
Mar. 1	16.01	June 1	15.46	Sept. 1	16.69	Dec. 1	16.44
Apr. 1	15.99	July 1	16.22	30	17.04		

M-47d. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, T. 24 S., R. 3 W., 240 feet southeast of M-47. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 128 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.61 below lsd, Oct. 2, 1958; lowest 18.21 below lsd, Dec. 31, 1959. Records available: 1958-60.

Feb. 1	16.82	May 2	15.89	Aug. 1	17.05	Nov. 1	16.35
Mar. 1	16.49	June 1	15.74	Sept. 1	17.40	Dec. 1	16.70
Apr. 1	16.22	July 1	16.99	30	17.74		

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: 1958-60.

Mar. 1	83.39	June 1	28.85	Sept. 1	27.29	Nov. 1	27.69
Apr. 1	29.29	July 1	84.82	30	83.81	Dec. 1	26.54
May 2	27.85	Aug. 1	29.02				

M-48b. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 24 S., R. 2 W., 242 feet southeast of M-48. Bored observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.35 below lsd, Feb. 2, 1959; lowest 30.57 below lsd, Dec. 1, 1959. Records available: 1958-60.

Mar. 1	26.54	June 1	26.51	Sept. 1	26.44	Nov. 1	26.79
Apr. 1	26.84	July 1	27.02	30	26.73	Dec. 1	26.27
May 2	26.71	Aug. 1	26.75				

M-48d. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 24 S., R. 2 W., 200 feet northeast of M-48. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 243 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.82 below lsd, May 23, 1958; lowest 45.55 below lsd, July 1, 1960. Records available: 1958-60.

Mar. 1	44.41	June 1	31.68	Sept. 1	30.60	Nov. 1	30.72
Apr. 1	31.11	July 1	45.55	30	44.95	Dec. 1	29.68
May 2	30.85	Aug. 1	31.85				

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: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	28.36	May 2	29.20	Aug. 1	59.78	Nov. 1	27.21
Mar. 1	29.06	June 1	59.15	Sept. 1	28.98	Dec. 1	27.85
Apr. 1	60.24	July 1	29.72	30	29.65		

M-49b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 24 S., R. 2 W., 214 feet southeast of M-49. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 50 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.40 below lsd, Dec. 31, 1958; lowest 28.45 below lsd, Dec. 1, 1958. Records available: 1958-60.

Feb. 1	24.75	May 2	24.85	Aug. 1	24.91	Nov. 1	24.60
Mar. 1	24.77	June 1	24.70	Sept. 1	24.93	Dec. 1	24.55
Apr. 1	25.06	July 1	24.52	30	24.80		

M-49d. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 24 S., R. 2 W., 240 feet southeast of M-49. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 245 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 23.58 below lsd, Nov. 1, 1958; lowest 40.74 below lsd, Sept. 1, 1959. Records available: 1958-60.

Feb. 1	27.74	May 2	28.82	Aug. 1	40.43	Nov. 1	26.52
Mar. 1	28.69	June 1	39.57	Sept. 1	28.67	Dec. 1	27.35
Apr. 1	40.27	July 1	29.39	30	29.28		

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 78.91 below lsd, Sept. 1, 1960. Records available: 1958-60.

Feb. 1	76.76	May 2	78.44	Aug. 1	28.94	Nov. 1	27.55
Mar. 1	28.20	June 1	28.78	Sept. 1	78.91	Dec. 1	78.31
Apr. 1	29.44	July 1	28.29	30	28.40		

M-50b. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 24 S., R. 2 W., 500 feet southeast of M-50. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.14 below lsd, Feb. 2, 1959; lowest 26.84 below lsd, May 2, 1960. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	26.20	May 2	26.84	Aug. 1	25.37	Nov. 1	24.45
Mar. 1	25.11	June 1	25.31	Sept. 1	26.70	Dec. 1	25.99
Apr. 1	25.93	July 1	24.72	30	25.02		

M-50d. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 24 S., R. 2 W., 500 feet southeast of M-50. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 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: 1958-60.

Feb. 1	35.50	May 2	37.16	Aug. 1	27.85	Nov. 1	25.73
Mar. 1	25.46	June 1	27.54	Sept. 1	35.89	Dec. 1	35.42
Apr. 1	28.26	July 1	26.33	30	26.34		

#### HASKELL COUNTY

10. (C) Elie Stoops. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 33, T. 30 S., R. 34 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 10 inches, depth 61 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 45.40 below lsd, Oct. 12, 1950; lowest 51.74 below lsd, Mar. 18, 1948. Records available: 1941-60. Feb. 18, 50.10; Oct. 21, 50.80.

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. No measurement made in 1960.

27-31-8da. (C) Paul E. Hoffman. Drilled irrigation artesian well in Ogallala Formation, diameter 16 inches, depth 204 feet. Measuring point, top hole in north side pump base, 0.60 foot above lsd. Highest water level 78.18 below lsd, Oct. 2, 1958; lowest 78.75 below lsd, Jan. 6, 1959. Records available: 1958-59. No measurement made in 1960.

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. Mar. 25, 186.42.

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. Feb. 2, 192.48.

28-32-25cb. (C) Owner unknown. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 200 feet. Measuring point, top north side of metal cover, 0.20 foot above lsd. Highest water level 182.08 below lsd, Feb. 12, 1958; lowest 185.13 below lsd, Aug. 22, 1960. Records available: 1956-60. Feb. 18, 183.65; May 10, 183.46; Aug. 22, 185.13; Oct. 21, 183.76.

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



plate through hole in southwest side, 1.30 feet above lsd. Highest water level 214.78 below lsd, Nov. 13, 1956; lowest 219.66 below lsd, Oct. 21, 1960. Records available: 1956-60. Feb. 18, 219.22; May 10, 218.85; Aug. 22, 219.00; Oct. 21, 219.66.

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. No measurement made in 1960.

29-32-26cb. (C) D. E. McClure. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 205 feet. Measuring point, top of wooden pipe clamp, west side, 1.55 feet above lsd. Highest water level 190.01 below lsd, Aug. 10, 1953; lowest dry, Aug. 18, 1959, Aug. 22, 1960. Records available: 1941, 1952-60. Feb. 18, 200.30; May 10, 200.15; Aug. 22, dry. Measurement discontinued.

29-32-26cb2. (C) Kelly McClure. (This well replaces 29-32-26cb). Drilled irrigation well in Ogallala Formation, diameter 16 inches, depth 384 feet. Measuring point, 0.70 foot above lsd. Records available: 1960. Oct. 21, 199.35.

29-34-2ba. (C) C. M. Light. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 350 feet. Measuring point, top hole in southeast side steel pump base, 1.50 feet above lsd. Highest water level 197.85 below lsd, Jan. 26, 1959; lowest 203.88 below lsd, Sept. 16, 1958. Records available: 1958-60. Feb. 2, 198.07.

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. No measurement made in 1960.

#### HODGEMAN COUNTY

3. (C) C. A. Bradley. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 21 S., R. 22 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 60 to 20 inches, depth 76 feet. Measuring point, top south side of concrete curb, 1.00 foot above lsd. Highest water level 21.84 below lsd, Jan. 20, 1959; lowest 39.74 below lsd, Oct. 24, 1956. Records available: 1940-60. Jan. 21, 32.28; Apr. 18, 34.10; Oct. 18, 29.41.

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, 1957-60. Apr. 18, 21.28; July 20, 23.06; Oct. 18, 24.97.

24-26-35cb. (C) A. C. Jemes. Drilled stock water-table well in Ogallala Formation, diameter 5 $\frac{1}{2}$  inches, depth 90 feet. Measuring point, top of north side of casing, 0.50 foot above lsd. Highest water level 64.36 below lsd, Oct. 11, 1954; lowest 65.33 below lsd, Apr. 19, 1960. Records available: 1954-60. Jan. 26, 64.62; Apr. 19, 65.33; July 19, 64.47.

#### 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. May 24, 6.08; July 29, 6.92; Sept. 29, 6.28.

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 since May 24, 1960. 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. May 24, 4.85; July 29, 5.65; Sept. 29, 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 7.09 below lsd, June 2, 1960; lowest 9.15 below lsd, Feb. 1, 1960. Records available: 1959-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	8.93	Apr. 4	8.23	July 1	7.14	Oct. 3	8.00
Feb. 1	9.15	May 3	7.36	30	7.12	28	8.30
Mar. 4	9.10	June 2	7.09	Sept. 1	7.58	Dec. 1	8.75

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 1960.

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 1960.

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 8.42 below lsd, July 24, 1951; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-55, 1957-58. No measurement made in 1960.

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 1960.

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 11.6 below lsd, Aug. 16, 1960; lowest 17.15 below lsd, Mar. 13, 1957. Records available: 1953-60. Aug. 16, 11.6.

1-6-5cd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 43 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 21.30 below lsd, Aug. 31, 1960; lowest 33.16 below lsd, Mar. 3, 1955. Records available: 1953-60. Aug. 16, 21.70; Aug. 31, 21.30.

1-6-5dd. (MB) U.S.G.S. Driven observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 10.94 below lsd, Aug. 19, 1948; lowest 33.43 below lsd, Sept. 15, Nov. 5, 1954. Records available: 1947-60. Aug. 16, 20.30. Measurement discontinued.

1-6-5dd2. (MB) U.S.B.R. (This well replaces 1-6-5dd at a distance of 40 feet). Jetted observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 3.90 feet above lsd. Highest water level 16.80 below lsd, Oct. 15, 1960; lowest 22.00 below lsd, Aug. 31, 1960. Records available: 1960. Aug. 18, 21.60; Aug. 31, 22.00; Oct. 15, 16.80.

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 11.50 below lsd, Aug. 16, 31, 1960; lowest 15.40 below lsd, Mar. 13, 1957. Records available: 1953-60. Aug. 16, 11.50; Aug. 31, 11.50; Oct. 15, 12.00.

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: 1950-60. Aug. 16, 7.30; Aug. 31, 7.60; Oct. 15, 8.20.

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: 1953-60. Aug. 16, 5.70; Aug. 31, 6.50; Oct. 15, 7.20.

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: 1950-60. Aug. 16, 17.00; Aug. 31, 16.90; Oct. 15, 15.80.

1-6-6dal. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.60 below lsd, Sept. 20, 1955; lowest 19.58 below lsd, Sept. 26, 1956. Records available: 1950-60. Aug. 16, 11.80; Aug. 31, 13.00; Oct. 15, 13.70.

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 13.10 below lsd, Aug. 16, 1960; lowest 22.23 below lsd, June 9, 1955. Records available: 1953-60. Aug. 16, 13.10; Aug. 31, 13.20; Oct. 15, 14.40.

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 9.70 below lsd, Aug. 16, 31, 1960; lowest 15.13

below lsd, Mar. 13, 1957. Records available: 1953-60. Aug. 16, 9.70; Aug. 31, 9.70; Oct. 15, 10.50.

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 18.20 below lsd, Aug. 31, 1960; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-60. Aug. 16, 18.40; Aug. 31, 18.20; Oct. 15, 18.40.

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 59.97 below lsd, Sept. 8, 1960; lowest 61.72 below lsd, Feb. 24, 1959. Records available: 1955-60. Feb. 8, 60.60; May 3, 60.38; July 7, 60.47; Sept. 8, 59.97.

1-6-23ad. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 45.73 below lsd, Sept. 8, 1960; lowest 56.50 below lsd, Mar. 28, 1956. Records available: 1955-60. Feb. 8, 49.20; May 3, 49.09; July 7, 48.28; Sept. 8, 45.73.

1-6-25bb. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 65 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 38.79 below lsd, Sept. 8, 1960; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-60. Feb. 8, 43.19; May 3, 42.55; July 7, 42.23; Sept. 8, 38.79.

1-6-25bc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 70 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 19.89 below lsd, Sept. 8, 1960; lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 8, 23.75; May 3, 22.46; July 7, 21.99; Sept. 8, 19.89.

1-6-25cc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 14.16 below lsd, Sept. 8, 1960; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 8, 21.09; May 3, 20.17; July 7, 19.83; Sept. 8, 14.16.

1-6-25dd. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 75 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 10.67 below lsd, Sept. 8, 1960; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56, 1958-60. Feb. 8, 17.03; May 3, 14.99; July 7, 13.83; Sept. 8, 10.67.

1-6-34ddd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 19.15 below lsd, Sept. 8, 1959; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57, 1959. No measurement made in 1960.

1-6-35ba. (MB) U.S.B.R. Drilled and jetted well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 26.53 below lsd, July 7, 1960; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57, 1959-60. Feb. 8, 28.50; May 3, 26.56; July 7, 26.53; Sept. 8, 27.00.

1-7-1bb. (MB) U.S.G.S. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches,

depth 16 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.39 below lsd, July 24, 1951; lowest 12.17 below lsd, May 24, 1956. Records available: 1947-60. Aug. 16, 8.60; Aug. 31, 4.90; Oct. 15, 10.50.

1-7-1db. (MB) U.S.B.R. Drilled well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.40 below lsd, July 16, 1957; lowest 10.73 below lsd, Mar. 29, 1954. Records available: 1953-60. Aug. 16, 6.80; Aug. 31, 7.00; Oct. 15, 7.60.

1-7-1dc. (MB) U.S.B.R. Drilled well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.85 below lsd, May 1, 1959; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-60. Aug. 16, 5.30; Aug. 31, 5.20; Oct. 15, 4.80.

1-7-2da. (MB) U.S.G.S. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.42 below lsd, July 24, 1951; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-60. Aug. 16, 4.00; Aug. 31, 4.40; Oct. 15, 5.30.

1-7-4ad. (MB) U.S.B.R. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 1.80 below lsd, Feb. 15, 1956; lowest 6.91 below lsd, Aug. 17, 1954. Records available: 1953-60. Oct. 15, 2.00.

1-7-4ba. (MB) U.S.B.R. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.50 below lsd, Oct. 15, 1960; lowest 14.20 below lsd, Feb. 3, 1954. Records available: 1953-60. Oct. 15, 8.50.

2-6-2dd. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 27.36 below lsd, Sept. 8, 1960; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-60. Feb. 9, 30.13; July 7, 28.92; Sept. 8, 27.36.

2-6-3db. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 26.06 below lsd, Sept. 8, 1960; lowest 38.45 below lsd, May 3, 1956. Records available: 1955-60. Feb. 8, 30.33; May 3, 28.90; July 7, 26.17; Sept. 8, 26.06.

2-6-4cd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 28 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 12.10 below lsd, Sept. 4, 1959; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-59. No measurement made in 1960.

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 22.79 below lsd, Sept. 8, 1960; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-60. Feb. 8, 24.90; July 7, 23.52; Sept. 8, 22.79.

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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 2	28.99	July 1	28.89	Sept. 1	28.99	Nov. 1	29.28
June 1	29.40	Aug. 1	29.05	Oct. 3	29.09	Dec. 2	29.60

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.

May 2	27.70	July 1	28.39	Sept. 1	27.00	Nov. 1	26.59
June 1	28.29	Aug. 1	27.82	Oct. 3	26.63	Dec. 2	27.02

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: 1955-60. Feb. 9, 14.98; May 3, 13.69; July 7, 14.06; Sept. 8, 14.30.

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.

May 2	20.63	July 1	20.33	Sept. 1	21.45	Nov. 1	21.43
June 1	20.97	Aug. 1	21.23	Oct. 3	21.63	Dec. 2	21.53

2-6-8bba. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 7.67 below lsd, May 2, 1960; lowest 18.79 below lsd, June 7, 1956. Records available: 1955-58, 1960.

May 2	7.67	July 1	7.99	Sept. 1	7.70	Nov. 1	7.78
June 1	8.16	Aug. 1	8.08	Oct. 3	7.75	Dec. 2	8.04

2-6-8bc. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 3.79 below lsd, May 2, 1960; lowest 14.50 below lsd, Mar. 28, 1956. Records available: 1956-58, 1960.

May 2	3.79	July 1	4.01	Sept. 1	6.91	Nov. 1	7.50
June 1	4.53	Aug. 1	5.63	Oct. 3	7.59	Dec. 2	7.17

2-6-8bd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 25.79 below lsd, Sept. 1, 1960; lowest 38.58 below lsd, Nov. 1, 1957. Records available: 1955-58, 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 2	29.26	Aug. 1	27.03	Oct. 3	26.85	Dec. 2	29.47
June 1	29.71	Sept. 1	25.79	Nov. 1	28.22		

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.

May 2	5.46	July 1	4.96	Sept. 1	5.50	Nov. 1	9.62
June 1	6.26	Aug. 1	4.99	Oct. 3	8.96	Dec. 2	10.10

2-6-8cbl. (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.

May 2	6.11	July 1	6.17	Sept. 1	8.54	Nov. 1	8.41
June 1	6.70	Aug. 1	7.74	Oct. 3	8.89	Dec. 2	8.35

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.

May 2	6.22	July 1	6.50	Sept. 1	8.25	Nov. 1	8.10
June 1	6.88	Aug. 1	7.98	Oct. 3	8.65	Dec. 2	8.22

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.

May 2	5.58	July 1	6.16	Sept. 1	8.09	Nov. 1	7.96
June 1	6.40	Aug. 1	7.74	Oct. 3	8.60	Dec. 2	8.04

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.

May 2	12.87	July 1	12.44	Sept. 1	13.59	Nov. 1	13.83
June 1	13.06	Aug. 1	13.34	Oct. 3	14.27	Dec. 2	13.56

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 29.93 below lsd, May 3, 1960; lowest dry, Jan. 4, 1958. Records available: 1955-60. Feb. 9, 32.18; May 3, 29.93; July 7, 30.28; Sept. 8, 30.78.

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. No measurement made in 1960.

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 feet above lsd. Highest water level 23.42 below lsd, Sept. 9, 1958; lowest 37.76 below lsd, July 11, 1956. Records available: 1955-60. Feb 9, 28.80; May 3, 27.99; July 7, 28.20; Sept. 8, 26.25.

2-6-10da2. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 3.52 below lsd, May 6, 1959; lowest 11.48 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 9, 4.00; July 7, 3.97. Well destroyed.

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 15.45 below lsd, Feb. 9, 1960; lowest 20.80 below lsd, June 7, 1956. Records available: 1955-60. Feb. 9, 15.45; May 3, 15.69; July 7, 16.79; Sept. 8, 17.00.

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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 2	3.13	July 1	3.97	Sept. 1	6.66	Nov. 1	7.89
June 1	3.50	Aug. 1	5.29	Oct. 3	7.53	Dec. 2	8.10

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. No measurement made in 1960.

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 1, 1960; lowest 19.20 below lsd, Nov. 8, 1956. Records available: 1955-58, 1960.

May 2	11.46	July 1	10.32	Sept. 1	12.18	Nov. 1	13.09
June 1	11.59	Aug. 1	11.33	Oct. 3	12.80	Dec. 2	13.59



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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 2	12.81	July 1	11.81	Sept. 1	11.70	Nov. 1	11.81
June 1	12.43	Aug. 1	11.55	Oct. 3	11.93	Dec. 2	12.16

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.

May 2	19.42	July 1	18.49	Sept. 1	19.56	Nov. 1	19.27
June 1	19.08	Aug. 1	19.27	Oct. 3	19.84	Dec. 2	21.16

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.

May 2	7.69	July 1	8.17	Sept. 1	10.45	Nov. 1	9.82
June 1	8.34	Aug. 1	9.65	Oct. 3	10.30	Dec. 2	10.47

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. May 6, 24.50; Sept. 6, 24.64.

#### KEARNY COUNTY

13a. (C) Kearny County. NW¼ NE¼ sec. 15, T. 25 S., R. 37 W. (erroneously reported previously as SW¼ SW¼ 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 9.38 below lsd, Oct. 13, 1960. Records available: 1953-60.

Jan. 5	8.26	May 26	8.18	Aug. 25	8.74	Nov. 17	9.30
Mar. 9	8.00	June 16	7.60	Sept. 22	9.16	Dec. 29	8.90
Apr. 26	8.09	July 28	8.03	Oct. 13	9.38		

16. (C) C. B. Campbell. SE¼ SE¼ SE¼ 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: 1939-60. Jan. 5, 47.45; Apr. 26, 46.06; July 28, 48.20; Oct. 25, 52.31.

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: 1956-60. Jan. 5, 174.46; Apr. 26, 174.30; July 28, 173.88; Oct. 25, 173.95.

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: 1958-60. Jan. 5, 54.94; Jan. 26, 54.48; Mar. 30, 54.08.

#### KINGMAN COUNTY

4. (C) N. Lawson. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 9, T. 27 S., R. 9 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 76 feet. Measuring point, top opening of pump, 3.00 feet above lsd. Highest water level 55.58 below lsd, Sept. 1, 1953; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-60. Jan. 22, 57.51; Apr. 20, 57.49; July 18, 57.46; Oct. 20, 57.28.

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 24.10 below lsd, Sept. 29, 1955. Records available: 1955, 1959-60. Jan. 22, 21.38; Apr. 20, 22.72; July 18, 24.49; Oct. 20, 22.28.

#### KIOWA COUNTY

4. (C) H. E. Davis. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 4, T. 28 S., R. 16 W. Drilled domestic and irrigation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 109 feet. Measuring point, top south side of casing, 0.50 foot above lsd. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-60. Jan. 26, 66.72; Apr. 20, 66.84; July 19, 66.88; Oct. 18, 66.76.

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: 1940-60. Jan. 26, 16.79; Apr. 20, 15.93; July 19, 17.07; Oct. 18, 17.18.

19. (C) C. Williamson. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 21, T. 27 S., R. 17 W. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 90 feet. Measuring point, lower edge of pump base, 0.50 foot above lsd. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-60. Jan. 26, 31.57; Apr. 20, 30.66; July 19, 30.25; Oct. 18, 32.34.

## LANE COUNTY

17-30-13cbb. (C) F. L. Burmeister. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 94 feet. Measuring point, top west side of casing, 0.10 foot above lsd. Highest water level 83.83 below lsd, Feb. 1, 1950; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1950-60. Mar. 11, 84.39; June 14, 84.12; Sept. 9, 84.18; Dec. 9, 84.10.

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: 1950-60. Mar. 11, 86.84; June 14, 86.68; Sept. 9, 86.67.

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: 1950-60. Mar. 11, 54.30; June 14, 55.02; Sept. 9, 54.84; Dec. 9, 54.55.

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: 1950-60. Mar. 11, 65.38; June 14, 65.16; Sept. 9, 65.08; Dec. 9, 65.03.

## 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. May 24, 2.32; Aug. 5, 5.96; Sept. 29, 5.23.

10-22-34ad. (C) A. K. Mussett. Dug unused water-table well in glacial deposits, diameter 6 feet, depth 35 feet, cribbed with brick. Measuring point, top north side of concrete, 1.00 foot above lsd. Highest water level 0.45 below lsd, Nov. 27, 1951; lowest 7.05 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. Well destroyed.

## LINCOLN COUNTY

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

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: 1947-60. June 15, 8.80; Oct. 20, 11.50.

12-8-8cd. (MB) S. C. Meredith. Dug unused water-table well in Dakota

Formation, diameter 4 feet, depth 35 feet, cribbed with rock. Measuring point, top of board platform, 0.60 foot above lsd. Highest water level 1.58 below lsd, Apr. 3, 1959; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-59. Measurements discontinued.

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: 1947-60. June 15, 15.38; Oct. 20, 18.06.

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

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: 1947-60. June 15, 24.85; Oct. 20, 25.32.

#### LINN COUNTY

19-24-36aa. (C) Mr. Newby. Dug unused water-table well in Swope Limestone, diameter 6 feet, depth 21 feet. Measuring point, top of hole in concrete base, 0.30 foot above lsd. Highest water level 6.56 below lsd, Nov. 30, 1951; lowest 18.12 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. No measurement made in 1960.

22-25-6cb. (C) E. C. Smith. Dug unused water-table well in Nowata Shale and Altamont Limestone, diameter 5 feet, depth 16 feet, cribbed with rock. Measuring point, top south side of circular hole in concrete, 0.60 foot above lsd. Highest water level 1.99 below lsd, Feb. 21, 1952; lowest dry, Apr. 11, 1957. Records available: 1948-52, 1956-57. No measurement made in 1960.

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. May 25, 6.71.

#### LOGAN COUNTY

1. (C) Octon Estate. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 2, T. 11 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 107 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 96.25 below lsd, Apr. 21, 1953; lowest 99.39 below lsd, Apr. 11, 1960. Records available: 1942-60. Apr. 11, 99.39.

11-34-16cd. (C) Arthur Peterson. Drilled stock well in Ogallala Formation, depth 144 feet. Measuring point, hole in center of top of tank, 1.50 feet above lsd. Highest water level 118.90 below lsd, Oct. 12, 1959; lowest 119.55 below lsd, Jan. 12, 1960. Records available: 1959-60. Jan. 12, 119.55; Apr. 11, 118.95.

12-37-27aa. (C) J. E. Bertrand. Drilled unused observation well in de-

posits 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: 1952-60. Jan. 12, 40.49; Apr. 11, 40.00; July 14, 40.09; Oct. 12, 40.15.

13-32-27aa. (C) Owner unknown. Drilled stock well in Niobrara Chalk, diameter 5 inches, depth 52 feet. Measuring point, top of hole in lid over casing, 1.30 feet above lsd. Highest water level 40.11 below lsd, Oct. 12, 1960; lowest 41.14 below lsd, Jan. 9, 1957. Records available: 1956-60. Jan. 12, 40.33; Apr. 11, 40.21; July 14, 40.23; Oct. 12, 40.11.

#### McPHERSON COUNTY

17-3-4bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 17.05 below lsd, Sept. 22, 1952; lowest 25.00 below lsd, Aug. 19, 1957. Records available: 1950-53, 1955-60. Mar. 28, 18.61; May 26, 18.27; June 30, 17.99; July 28, 18.35; Sept. 1, 18.63; Nov. 30, 18.70.

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, 1955-60. Mar. 28, 16.55; May 26, 18.14; June 30, 17.27; July 28, 18.04; Sept. 1, 18.74; Nov. 30, 19.30.

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, 1955-60. Mar. 28, 16.28; May 26, 14.62; June 30, 14.82; July 28, 16.20; Sept. 1, 16.64; Nov. 30, 17.00.

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 39 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-60. Mar. 27, 24.30; May 26, 22.80; June 30, 23.49; July 27, 24.78; Sept. 1, 25.34; Nov. 30, 24.70.

17-3-19ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.60 below lsd, Oct. 1, 1951; lowest 24.88 below lsd, May 8, 1957. Records available: 1951-60. Mar. 27, 20.70; May 26, 19.09; June 30, 19.52; July 27, 20.56; Sept. 1, 21.05; Nov. 30, 21.10.

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 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.92 below lsd, Sept. 7, 1956. Records available: 1946-60. Mar. 27, 28.12; May 26, 26.43; June 30, 26.68; July 27, 27.37; Sept. 1, 27.70, Nov. 30, 27.80.

17-4-20ddd. (MB) U.S.G.S. Jetted observation well in colluvium, diameter

$\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 0.38 below lsd, Mar. 27, 1960; lowest dry, May 11, 1956. Records available: 1950-60. Mar. 27, 0.38; May 26, 3.45; June 30, 4.37; July 27, 5.77; Sept. 1, 6.20; Nov. 30, 7.30.

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 50 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 15.11 below lsd, July 24, 1951; lowest 27.93 below lsd, Mar. 18, 1957. Records available: 1946-60. Mar. 27, 22.02; May 26, 21.17; June 30, 21.15; July 27, 21.82; Sept. 1, 21.94; Nov. 30, 22.60.

17-4-29ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 6.52 below lsd, Aug. 20, 1951; lowest 20.70 below lsd, May 8, 1957. Records available: 1950-53, 1955-60. Mar. 27, 16.98; May 26, 15.26; June 30, 16.21; July 27, 16.95; Sept. 1, 17.73; Nov. 30, 17.70.

17-4-31baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 13.06 below lsd, Aug. 20, 1951; lowest 24.39 below lsd, Mar. 18, 1957. Records available: 1950-53, 1955-60. Mar. 27, 21.22; May 26, 19.49; June 30, 20.34; July 27, 22.24; Sept. 1, 22.02; Nov. 30, 21.30.

17-4-32baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.80 below lsd, Aug. 20, 1951; lowest 23.98 below lsd, May 8, 1957. Records available: 1950-53, 1955-60. Mar. 27, 20.50; May 26, 18.05; June 30, 18.76; July 27, 19.84; Sept. 1, 20.69; Nov. 30, 20.35.

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, 1955-60. Mar. 27, 19.50; May 26, 19.07; June 30, 19.50; July 27, 20.67; Sept. 1, 20.79; Nov. 30, 21.40.

17-4-34add. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.11 below lsd, Aug. 20, 1951; lowest 26.30 below lsd, May 8, 1957. Records available: 1951-53, 1955-60. May 26, 20.24; June 30, 19.85; July 27, 20.86. Well destroyed.

17-4-36abb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 15.23 below lsd, Aug. 20, 1951; lowest 27.29 below lsd, May 8, 1957. Records available: 1951-53, 1955-60. Mar. 27, 21.17; May 26, 20.54; June 30, 20.53; July 27, 21.20; Sept. 1, 21.79; Nov. 30, 20.10.

17-5-4ddd. (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, 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, 1955-60. Mar. 27, 14.56; May 26, 15.09; June 30, 15.37; July 27, 15.44; Sept. 1, 14.65; Nov. 30, 14.78.

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, 1955-60. Mar. 27, 14.47; May 26, 12.00; June 30, 13.14; July 27, 14.68; Sept. 1, 14.90; Nov. 30, 14.90.

17-5-7bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 35 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 17.88 below lsd, July 2, 1951; lowest 26.77 below lsd, Feb. 13, 1958. Records available: 1950-53, 1955-60. Mar. 27, 26.27; May 26, 25.69; June 30, 25.74; July 27, 25.89; Sept. 1, 25.86; Nov. 30, 25.50.

17-5-8ccc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 3.33 below lsd, Nov. 9, 1951; lowest 12.52 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-60. Mar. 27, 8.56; May 26, 8.09; June 30, 7.88; July 27, 8.14; Sept. 1, 7.60; Nov. 30, 8.10.

17-5-8ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 18 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 0.90 below lsd, Oct. 1, 1951; lowest 12.14 below lsd, Sept. 7, 1956. Records available: 1950-53, 1955-60. Mar. 27, 7.31; May 26, 6.14; June 30, 7.20; July 27, 8.76; Sept. 1, 8.44; Nov. 30, 8.75.

17-5-11bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.87 below lsd, Oct. 1, 1951; lowest 16.30 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-60. Mar. 27, 7.57; May 26, 4.11; June 30, 6.72; July 27, 7.40; Sept. 1, 7.03; Nov. 30, 7.30.

17-5-16aaa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 26 feet. Measuring point, top of pipe, 2.40 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, 1955-60. Mar. 27, 16.00; May 26, 15.98; June 30, 16.66; July 27, 17.83; Sept. 1, 18.33; Nov. 30, 18.48.

17-5-21dad. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 6.51 below lsd, Oct. 1, 1951; lowest 19.97 below lsd, Mar. 19, 1957. Records available: 1950-53, 1955-60. Mar. 27, 16.67; May 26, 13.55; June 30, 14.65; July 27, 16.15; Sept. 1, 16.98; Nov. 30, 17.60.

17-5-23ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 25 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 9.61 below lsd, Dec. 17, 1950; lowest dry, Jan. 4, 1956. Records available: 1950-53, 1955-56. Measurement discontinued.

17-5-25aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits

of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 7.51 below lsd, Oct. 1, 1951; lowest 20.90 below lsd, Oct. 23, 1950. Records available: 1950-53, 1955-60. Mar. 27, 13.00; May 26, 12.49; June 30, 12.40; July 27, 12.80; Sept. 1, 12.79; Nov. 30, 13.40.

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: 1950-60. Mar. 27, 14.83; May 26, 15.04; June 30, 15.27; July 27, 16.73; Sept. 1, 16.39; Nov. 30, 17.35.

#### 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, 1954-60. Jan. 8, 156.91; Apr. 18, 156.86; July 11, 156.83; Sept. 21, 159.40.

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: 1939-60. Jan. 8, 19.78; Apr. 18, 19.59; July 11, 21.18; Sept. 21, 22.82; Dec. 7, 20.05.

61. (C) John Meyer. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 26, T. 31 S., R. 27 W. Drilled unused water-table well in Lower Pleistocene deposits, diameter 6 inches, depth 87 feet. Measuring point, top south side of casing, 0.60 foot above lsd. Highest water level 56.34 below lsd, Dec. 23, 1954; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-59. Measurement discontinued.

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: 1939-60. Jan. 8, 63.01; July 11, 64.20; Sept. 21, 65.06; Dec. 7, 63.45.

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, 1952-60. Jan. 8, 8.31; Apr. 18, 7.57; July 11, 8.55; Sept. 21, 9.49; Dec. 7, 9.34.

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: 1939-60.



## Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.83	.....	16.33	16.07	16.03	23.20	18.65	43.27	.....	.....	18.15	17.30
10	16.82	16.45	16.35	16.00	16.07	19.25	18.10	31.75	.....	.....	.....	17.12
15	16.77	16.43	16.23	16.03	19.00	17.50	.....	28.07	.....	.....	18.85	.....
20	16.76	16.37	16.40	16.00	.....	17.80	.....	31.25	.....	.....	17.48	16.95
25	16.70	16.40	16.33	16.10	22.80	.....	29.05	.....	.....	18.85	17.45	17.00
30	16.67	.....	16.38	16.15	21.23	19.17	.....	.....	.....	18.30	17.30	16.80

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: 1954-60. Jan. 8, 14.91; Apr. 18, 14.05; July 11, 15.35; Sept. 21, 17.68; Dec. 7, 15.36.

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: 1953-60. Jan. 8, 16.11; Apr. 18, 15.16; July 11, 15.00; Sept. 21, 16.69; Dec. 7, 16.50.

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 132.58 below lsd, Jan. 6, 1959. Records available: 1959-60. 1959: Jan. 6, 132.58. 1960: Jan. 8, 132.44.

33-28-29bc. (C) Fred Borchers. Drilled irrigation water-table well in Lower Pleistocene deposits and Ogallala Formation, diameter 16 inches, depth 160 feet. Measuring point, top northeast side of casing, 1.00 foot above lsd. Highest water level 14.23 below lsd, Mar. 16, 1954; lowest 18.15 below lsd, July 18, 1939. Records available: 1939, 1953-60. Jan. 8, 15.03; Apr. 18, 15.36; July 11, 15.07; Sept. 21, 17.99; Dec. 7, 15.50.

## MITCHELL COUNTY

6-8-34ccc. (MB) R. L. Metcalf. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 48 inches, depth 32 feet, cribbed with stone. Measuring point, top surface board platform, 0.40 foot above lsd. Highest water level 15.40 below lsd, Apr. 2, 1959; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-60. Oct. 20, 16.83.

6-9-27ab. (MB) L. Lowdermilk. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 37 feet, cribbed with rock. Measuring point, top of rock base, 0.40 foot above lsd. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1935-60. Apr. 14, 20.08; June 13, 20.77; July 12, 21.13; Oct. 10, 22.74; Oct. 20, 22.62.

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: 1946-60. June 15, 26.92; Oct. 20, 27.66.

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, 26.27 below lsd, Aug. 26, 1960; lowest 26.34 below lsd, Nov. 29, 1960. Records available: 1960. Aug. 26, 26.27. Nov. 29, 26.34.

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: 1946-60. June 13, 27.47; Oct. 20, 27.73. Measurement of Jan. 22, 1951 has been deleted from record.

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 44.00 below lsd, Nov. 29, 1960; lowest 44.05 below lsd, Aug. 26, 1960. Records available: 1960. Aug. 26, 44.05; Nov. 29, 44.00.

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: 1946-60. June 13, 22.20; Oct. 20, 22.32.

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 21.60 below lsd, Nov. 29, 1960; lowest 22.46 below lsd, Aug. 26, 1960. Records available: 1960. Aug. 26, 22.46; Nov. 29, 21.60.

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. No measurement made in 1960.

#### 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, 1956-60. Aug. 23, 71.24; Nov. 9, 72.20.

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: 1939-60. Feb. 18, 153.88; May 11, 153.67, Nov. 9, 153.89.

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: 1959-60. Feb. 18, 155.88; Nov. 9, 158.67.

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 88.42 below lsd, Nov. 9, 1960. Records available: 1959-60. Feb. 18, 83.62; Nov. 9, 88.42.

#### NESS COUNTY

1. (C) J. E. Ficken. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 20 S., R. 23 W. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 19 inches, depth 70 feet. Measuring point, top east side of sill under pump, 2.00 feet above lsd. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-60. Jan. 21, 28.99; Apr. 18, 29.58; July 20, 29.29; Oct. 18, 27.17.

2. (C) C. L. Whitley. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 20 S., R. 22 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 20 inches, depth 58 feet. Measuring point, top south side of concrete curb, 0.50 foot above lsd. Highest water level 17.81 below lsd, July 12, 1951; lowest 33.69 below lsd, July 26, 1956. Records available: 1940-60. Jan. 21, 22.68; Apr. 18, 22.16; July 20, 31.83; Oct. 18, 24.29.

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 47.01 below lsd, July 20, 1960; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-60. Jan 21, 47.69; Apr. 18, 47.08; July 20, 47.01; Oct. 18, 47.11.

#### 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: 1946-60. Apr. 18, 26.90; May 13, 26.20; June 29, 25.30; Aug. 23, 44.70\*; Nov. 15, 27.80.

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: 1946-60. Apr. 18, 23.50; May 13, 24.00; Nov. 15, 24.20.

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: 1945-60. Apr. 18, 32.50; May 13, 31.60; June 29, 30.20; Aug. 23, 39.50; Nov. 15, 32.10.

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\* pumped recently.

2-21-18aa. (MB) Mr. Haypkema. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 12 feet, depth 57 feet. Measuring point, top north side of plank, 0.41 foot above lsd. Highest water level 40.37 below lsd, May 24, 1952; lowest 43.48 below lsd, Feb. 9, 1950. Records available: 1947-55. Measurement discontinued.

2-21-19dd. (MB) C. C. Alexander. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 79 feet. Measuring point, top east side of casing, 0.90 foot above lsd. Highest water level 59.10 below lsd, May 15, 1951; lowest 65.93 below lsd, Jan. 18, 1951. Records available: 1946-54. Measurement discontinued.

2-22-26ac. (MB) Percy G. Whitaker. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 53 feet. Measuring point, top east side of pit, 0.10 foot above lsd. Highest water level 24.11 below lsd, July 24, 1951; lowest 29.80 below lsd, Apr. 26, 1949. Records available: 1946-54. Measurement discontinued.

2-22-28aa. (MB) H. E. Fisher. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 51 feet. Measuring point, top of casing, at land surface. Highest water level 47.30 below lsd, July 31, 1947; lowest 49.70 below lsd, Sept. 2, 1949. Records available: 1947-55. Measurement discontinued.

2-25-36dd. (C) L. B. McCabe. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 56 feet. Measuring point, top edge of casing, 1.00 foot above lsd. Highest water level 41.65 below lsd, Feb. 8, 1954; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954-60. Jan. 13, 42.49; Apr. 13, 41.82; Oct. 13, 41.82.

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. Apr. 13, 64.80; July 13, 64.35; Oct. 14, 64.37.

OSBORNE COUNTY

6-11-34aa. (MB) Wm. E. Lowdon. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 41 feet, cribbed with rock. Measuring point, top of platform over well, 0.10 foot above lsd. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 36.50 below lsd, Mar. 12, 1957. (Dec. 11, 1952 measurement of 29.49 erroneously reported as 39.49). Records available: 1945-60. July 12, 34.44; Oct. 10, 32.87; Oct. 20, 32.84.

6-12-7bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter 3/4 inch, depth 41 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 26.41 below lsd, Aug. 17, 1960; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	29.55	June 15	28.57	Aug. 17	26.41	Oct. 20	26.77
Apr. 13	28.50	July 12	28.51	Sept. 14	26.63	21	26.60
May 18	28.45	13	28.48	Oct. 10	26.89		

6-12-7dc. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.55 below lsd, June 19, 1951; lowest 25.57 below lsd, May 7, 1958. Records available: 1951-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	24.80	June 13	24.87	July 13	24.70	Oct. 10	24.59
Apr. 13	25.00	15	24.80	Aug. 17	24.42	20	24.78
May 18	24.95	July 12	24.78	Sept. 14	24.85	21	24.30

6-12-23cd. (MB) C. Fink. Dug domestic water-table well in terrace deposits of Pleistocene age, diameter 36 inches, depth 32 feet, cribbed with rock. Measuring point, top south side of board platform, 0.75 foot above lsd. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-60. June 15, 22.23; July 12, 22.12; Oct. 10, 22.47; Oct. 20, 22.85.

7-12-15daa. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 42.50 below lsd, Oct. 8, 1960; lowest 44.18 below lsd, Feb. 18, 1958. Records available: 1956-60. Feb. 17, 43.23; Apr. 12, 43.01; June 18, 42.73; Aug. 12, 42.61; Oct. 8, 42.50.

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 32.10 below lsd, Apr. 12, 1960; lowest 35.54 below lsd, Jan. 14, 1957. Records available: 1956-60. Feb. 17, 33.30; Apr. 12, 32.10; June 18, 32.18; Aug. 12, 32.45; Oct. 18, 32.67.

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 25.31 below lsd, Aug. 12, 1960; lowest 31.30 below lsd, May 17, 1956. Records available: 1956-60. Feb. 17, 26.78; Apr. 12, 26.56; June 18, 26.27; Aug. 12, 25.31; Oct. 18, 25.43.

7-12-28ab. (MB) C. E. Galley. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 47 feet, tile casing. Measuring point, top surface concrete platform, 0.50 foot above lsd. Highest water level 26.44 below lsd, May 25, 1952; lowest 34.63 below lsd, Mar. 12, 1957. Records available: 1946-60. July 12, 31.48; Oct. 10, 31.60.

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 50.66 below lsd, Oct. 18, 1960; lowest 53.29 below lsd, May 27, 1957. Records available: 1956-60. Feb. 17, 51.54; Apr. 12, 51.47; June 18, 51.26; Aug. 12, 50.91; Oct. 18, 50.66.

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 31.62 below lsd, Oct. 18, 1960; lowest 33.63 below lsd, May 27, 1957. Records available: 1956-60. Feb. 17, 32.06; Apr. 12, 32.02; June 18, 31.75; Aug. 12, 31.67; Oct. 18, 31.62.

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 36.26 below lsd, Aug. 12, 1960; lowest 40.55 below lsd, Aug. 15, 1956. Records available: 1956-60. Feb. 17, 37.35; Apr. 12, 37.15; June 18, 36.70; Aug. 12, 36.26; Oct. 18, 36.80.

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 35.23 below lsd, Aug. 12, 1960; lowest 38.47 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 36.32; Apr. 12, 35.86; June 18, 35.25; Aug. 12, 35.23; Oct. 18, 35.28.

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 62.23 below lsd, July 19, 1956; lowest 75.52 below lsd, Apr. 21, 1958. Records available: 1956-60. Feb. 17, 63.69; Apr. 12, 62.94; June 18, 62.28; Aug. 12, 62.61; Oct. 18, 63.93.

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 41.99 below lsd, Oct. 18, 1960; lowest 44.31 below lsd, May 27, 1957. Records available: 1956-60. Feb. 17, 43.16; Apr. 12, 43.02; June 18, 42.59; Aug. 12, 42.19; Oct. 18, 41.99.

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: 1956-60. Feb. 17, 12.71; Apr. 12, 9.67; June 18, 9.35; Aug. 12, 11.78; Oct. 18, 12.45.

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 16.74 below lsd, June 18, 1960; lowest 20.86 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 18.33; Apr. 12, 17.10; June 18, 16.74; Aug. 12, 17.08; Oct. 18, 17.10.

7-13-15da. (MB) J. W. Bathurst. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 53 feet, tile casing. Measuring point, top surface board platform, 1.30 feet above lsd. Highest water level 29.14 below lsd, July 25, 1951; lowest 41.47 below lsd, Mar. 12, 1957. Records available: 1946-60. July 12, 37.80; Oct. 10, 38.83.

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: 1956-60. Feb. 17, 40.25; Apr. 12, 38.00; June 18, 37.54; Aug. 12, 37.49; Oct. 18, 39.90.

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: 1956-60. Feb. 17, 9.05; Apr. 12, 8.40; June 18, 8.58; Aug. 12, 9.02; Oct. 18, 9.11.

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: 1957-60. Feb. 17, 34.31; Apr. 12, 33.34; June 18, 32.22; Aug. 12, 33.06; Oct. 18, 33.99.

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 30.86 below lsd, Oct. 18, 1960; lowest 36.18 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 32.63; Apr. 12, 32.70; June 18, 32.39; Aug. 12, 31.61; Oct. 18, 30.86.

7-14-4ad. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 23.39 below lsd, Oct. 18, 1960; lowest 26.59 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 24.67; Apr. 12, 24.16; June 18, 24.07; Aug. 12, 23.76; Oct. 18, 23.39.

7-14-4dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.31 below lsd, Feb. 17, 1960; lowest 22.37 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 20.31; Apr. 12, 20.89; Aug. 12, 20.60; Oct. 18, 20.46.

7-14-10bb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.01 below lsd, June 13, 1958; lowest 10.74 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 9.97; Apr. 12, 8.69; June 18, 8.49; Aug. 12, 8.89; Oct. 18, 9.25.

7-14-10dd. (MB) John Clark. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 38 feet, tile casing. Measuring point, top surface board platform, 0.70 foot above lsd. Highest water level 27.69 below lsd, May 25, 1952; lowest dry, Oct. 8, 1959. Records available: 1946-60. July 12, 34.26; Oct. 10, 34.26.

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 31.66 below lsd, Oct. 18, 1960; lowest 35.87 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 34.71; Apr. 12, 34.23; June 18, 33.92; Aug. 12, 32.67; Oct. 18, 31.66.

7-15-8cc. (MB) F. Dibble. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 26 feet, cribbed with stone. Measuring point, top surface cement platform, 1.10 feet above lsd. Highest water level 18.55 below lsd, Aug. 27, 1951; lowest 25.78 below lsd, Mar. 8, 1950. (Measurements of Apr. 12 and May 26, 1950, erroneously reported. Measurements should be deleted.) Records available: 1946-60. July 12, 22.46; Oct. 10, 21.66.

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 9.15 below lsd, July 12, 1960; lowest 25.00 below lsd, July 10, 1955. Records available: 1946-60. July 12, 9.15; Oct. 10, 10.92.

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 21.29 below lsd, Aug. 12, 1960; lowest 24.39 below lsd, Apr. 18, 1957. Records available: 1956-60. Feb. 17, 23.00; Apr. 12, 22.63; June 18, 21.62; Aug. 12, 21.29; Oct. 18, 21.79.

OTTAWA COUNTY

9-4-6ccd. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 20.15 below lsd, Nov. 28, 1960; lowest 21.38 below lsd, May 14, 1960. Records available: 1960. May 14, 21.38; Aug. 26, 20.39; Nov. 28, 20.15.

9-4-7cdc. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.55 below lsd, May 14, 1960; lowest 12.89 below lsd, Aug. 26, 1960. Records available: 1960. May 14, 10.55; Aug. 26, 12.89; Nov. 28, 12.77.

9-4-7ddd. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 20.57 below lsd, May 14, 1960; lowest 22.32 below lsd, Nov. 28, 1960. Records available: 1960. May 14, 20.57; Aug. 26, 21.61; Nov. 28, 22.32.

9-4-32ab. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 6.88 below lsd, May 14, 1960; lowest 11.80 below lsd, Nov. 28, 1960. Records available: 1960. May 14, 6.88; Aug. 26, 10.27; Nov. 28, 11.80.

9-4-33bab. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.57 below lsd, May 14, 1960; lowest 17.68 below lsd, Nov. 28, 1960. Records available: 1960. May 14, 15.57; Aug. 26, 16.55; Nov. 28, 17.68.

9-5-1abb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 15.10 below lsd, May 14, 1960; lowest 18.72 below lsd, Nov. 28, 1960. Records available: 1960. May 14, 15.10; Aug. 26, 17.04; Nov. 28, 18.72.

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 124 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level 18.95 below lsd, June 25, 1951; lowest 38.28 below lsd, Sept. 18, 1956. Records available: 1940-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	29.43	Apr. 19	27.48	Aug. 22	30.58	Nov. 21	32.79
Mar. 1	24.68	June 22	26.27	Sept. 21	32.88	Dec. 20	31.44
	21 26.52	July 20	31.55	Oct. 19	33.03		

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. High-



est water level 7.01 below lsd, Aug. 29, 1950; lowest 18.72 below lsd, Sept. 18, 1956. Records available: 1940-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	14.18	Mar. 21	12.58	May 19	13.44	Nov. 21	15.29
Mar. 1	12.88	Apr. 19	13.23	Sept. 21	14.77	Dec. 20	14.83

21-19-30cc. (C) Kathryn Moller. Irrigation water-table well in terrace deposits, depth 110 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 27.71 below lsd, Dec. 17, 1959; lowest 34.91 below lsd, Sept. 21, 1960. Records available: 1959-60.

Jan. 21	32.41	Apr. 18	31.73	Aug. 22	34.10	Nov. 21	33.84
Mar. 1	32.00	May 19	31.50	Sept. 21	34.91	Dec. 20	33.51
	21 31.72	June 22	31.17	Oct. 18	34.24		

#### PHILLIPS COUNTY

4-16-34bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 35 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 24.44 below lsd, Oct. 20, 1960; lowest 30.50 below lsd, Mar. 12, Aug. 13, 1957. Records available: 1951-60. June 13, 24.60; Oct. 20, 24.44.

4-16-36aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 1.15 below lsd, July 21, 1951; lowest 30.53 below lsd, Mar. 12, 1957. Records available: 1951-59. Well destroyed.

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. June 15, 13.82; Oct. 20, 14.00.

4-20-21cc. (MB) Fred Albrecht. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 152 feet. Measuring point, top north side of casing, 1.00 foot above lsd. Highest water level 47.60 below lsd, Sept. 11, 1952; lowest 49.57 below lsd, Oct. 14, 1959. Records available: 1946-59. Measurement discontinued.

#### 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 11.88 below lsd, May 3, 1960; lowest 16.20 below lsd, Jan. 6, 1960. Records available: 1959-60.

Jan. 6	16.20	Apr. 4	12.69	July 1	12.05	Oct. 3	14.73
Feb. 1	15.58	May 3	11.88	30	13.34	28	15.38
Mar. 4	15.23	June 2	12.29	Sept. 1	14.45	Dec. 1	15.85

10-8-13bb. (C) John J. Vanier. Dug and drilled unused irrigation well in alluvium, diameter 18 inches, depth 44 feet. Measuring point, bottom edge of 2-inch elbow 1.00 foot above lsd. Highest water level 14.63 below lsd, May 3, 1960; lowest 19.14 below lsd, Jan. 6, 1960. Records available: 1959-60. Well destroyed.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	19.14	Mar. 4	18.79	May 3	14.63	July 1	14.73
Feb. 1	19.05	Apr. 4	14.82	June 2	14.92	30	15.55

PRATT COUNTY

26-11-13da. (C) H. C. Jeffers. Drilled unused well in sand and gravel of Pleistocene age, diameter 8 inches, depth 29 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 7.10 below lsd, Aug. 23, 1951; lowest 15.93 below lsd, Apr. 3, 1957. Records available: 1951-60. Jan. 22, 12.96; Apr. 20, 13.24; July 18, 13.27; Oct. 17, 13.99.

26-13-34bc. (C) George Soaken. Industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 87 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 41.63 below lsd, July 18, 1960; lowest 42.15 below lsd, Oct. 21, 1959. Records available: 1959-60. Jan. 25, 41.97; Apr. 20, 41.70; July 18, 41.63; Oct. 17, 41.96.

29-13-13aa. (C) E. R. Kessler. Drilled unused irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth 125 feet. Measuring point, top south side of concrete platform, 0.40 foot above lsd. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-60. Jan. 25, 90.64; Apr. 19, 90.39, July 18, 89.63; Oct. 17, 89.41.

RAWLINS COUNTY

1-33-29cc. (C) Joseph Parker. Drilled stock water-table well in Ogallala Formation, diameter 5 inches, depth 125 feet. Measuring point, top of 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: 1952-60. Jan. 12, 116.29; Apr. 12, 116.01; July 13, 116.04; Oct. 13, 115.89.

3-31-7cb. (C) Ernest Carlson. Drilled stock water-table well in Ogallala Formation, depth 165 feet. Measuring point, hole in east side of pump base, 0.25 foot above lsd. Highest water level 146.25 below lsd, Apr. 12, 1960; lowest 146.76 below lsd, Oct. 13, 1959. Records available: 1959-60. Apr. 12, 146.25; July 13, 146.60; Oct. 13, 146.52.

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: 1959-60. Jan. 12, 23.79; Apr. 12, 20.70; July 13, 20.69; Oct. 13, 22.99.

3-36-23bb. (C) C. Sramek. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 193 feet. Measuring point, base of hole in southeast side of casing, 0.35 foot above lsd. Highest water level 168.7

below lsd, Aug. 4, 1952; lowest 186.19 below lsd, Nov. 23, 1954. Records available: 1952-60. Jan. 12, 184.63; Apr. 12, 184.53; July 13, 184.66; Oct. 12, 184.65.

4-33-18dd. (C) W. B. Minney. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 103 feet. Measuring point, top north side of hole drilled in pump base, 1.30 feet above lsd. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 88.52 below lsd, Oct. 13, 1959, Jan. 13, 1960. Records available: 1952-60. Jan. 13, 88.52; Apr. 12, 88.21; July 13, 87.85; Oct. 13, 87.82.

#### 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 10.46 below lsd, Dec. 19, 1960. Records available: 1959-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	7.57	Apr. 20	5.64	Sept. 22	10.39	Nov. 22	10.42
Mar. 4	3.04	May 19	5.92	Oct. 19	10.22	Dec. 19	10.46
22	5.79	Aug. 23	10.36				

#### 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: 1947-60. Feb. 8, 7.54; May 3, 5.06; July 7, 4.84; Sept. 8, 7.32.

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: 1947-60. Feb. 8, 19.75; May 3, 16.74; July 7, 15.79; Sept. 8, 17.55.

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: 1955-60. Feb. 9, 8.03; May 3, 5.29; July 7, 6.16; Sept. 8, 8.89.

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: 1950-60. Feb. 9, 1.35; May 3, 1.95; July 7, 2.65; Sept. 8, 5.73.

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, 1958-60. Apr. 21, 18.70; June 8, 19.30; July 26, 21.00; Oct. 17, 22.90.

1-5-14dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.93 below lsd, Mar. 19, 1952; lowest 10.42 below lsd, Oct. 15, 1953. Records available: 1950-56, 1958-60. Apr. 21, 3.60; June 8, 5.40; July 26, 6.10; Oct. 17, 7.90.

1-5-16dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 18 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.47 below lsd, Sept. 9, 1958; lowest dry, June 16, 1955. Records available: 1950-60. Feb. 9, 12.66; May 3, 9.75; July 7, 9.94; Sept. 8, 13.03.

1-5-18aa. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 3.44 below lsd, May 6, 1959; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 9, 3.66; May 3, 4.01; July 7, 4.13; Sept. 8, 7.10.

1-5-18bb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 28 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 20.98 below lsd, Sept. 1, 1955; lowest 23.30 below lsd, Mar. 28, 1956. Records available: 1955-60. Feb. 8, 22.53; May 3, 21.69; July 7, 21.77; Sept. 8, 21.92.

1-5-18cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 45.00 below lsd, Sept. 8, 1960; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 8, 46.46; May 3, 45.84; July 7, 45.81; Sept. 8, 45.00.

1-5-18da. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 93 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 66.13 below lsd, Sept. 8, 1960; lowest 79.29 below lsd, May 6, 1958. Records available: 1955-60. Feb. 9, 67.64; May 3, 67.03; July 7, 66.64; Sept. 8, 66.13.

1-5-19cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 65 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 21.82 below lsd, Sept. 8, 1960; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-60. Feb. 8, 25.81; May 3, 24.93; July 7, 24.76; Sept. 8, 21.82.

1-5-19cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 27.33 below lsd, Sept. 8, 1960; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 8, 28.24; May 3, 27.44; July 7, 27.87; Sept. 8, 27.33.

1-5-20cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 32.61 below lsd, July 7, 1960; lowest 43.10 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 9, 34.00; May 3, 32.67; July 7, 32.61. Well destroyed.

1-5-21cc. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 14.81 below lsd,

Sept. 4, 1959; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-60. Feb. 9, 17.04; May 3, 16.16; July 7, 16.43; Sept. 8, 16.06.

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. Feb. 8, 5.14; May 3, 4.48.

1-5-34bb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.85 below lsd, Sept. 9, 1958; lowest dry, Apr. 24, 1957. Records available: 1949-60. Feb. 9, 11.56; May 3, 9.80; July 7, 8.02; Sept. 8, 8.67.

2-4-18cc. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 36 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.90 below lsd, July 5, 1951; lowest 18.83 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-60. Apr. 21, 14.70; June 8, 14.70; July 26, 14.10; Oct. 17, 16.30.

2-4-18dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 44 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 22.00 below lsd, Dec. 4, 1951; lowest 31.80 below lsd, Sept. 22, 1955. Records available: 1950-56; 1958-59. No measurement made in 1960.

2-4-31aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 17 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.38 below lsd, Mar. 19, 1952; lowest 8.67 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-60. Apr. 21, 4.00; June 8, 5.50; July 26, 4.40; Oct. 17, 5.20.

2-4-32cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 24 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.07 below lsd, Mar. 19, 1952; lowest 13.65 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-60. Apr. 21, 3.20; July 26, 4.50; Oct. 17, 5.90.

2-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 9.85 below lsd, May 4, 1960; lowest 18.07 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 10, 11.00; May 4, 9.85; July 8, 11.65; Sept. 6, 13.18.

2-5-6bbb. (MB) U.S.B.R. Drilled well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 38.60 below lsd, May 3, July 7, 1960; lowest 40.37 below lsd, Apr. 24, 1957. Records available: 1955-60. Feb. 8, 39.50; May 3, 38.60; July 7, 38.60; Sept. 8, 38.68.

2-5-6dd. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 46 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 8.73 below lsd, Sept. 6, 1960; lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-60. Feb. 10, 14.80; May 4, 12.88; July 8, 11.64; Sept. 6, 8.73.

2-5-7bb. (MB) U.S.B.R. Jetted observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 13.48 below lsd, Sept. 8, 1960; lowest 26.80 below lsd, June 7, 1956. Records available: 1955-60. Feb. 8, 19.67; May 3, 17.76; July 7, 17.73; Sept. 8, 13.48.

2-5-7dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.11 below lsd, May 4, 1960; lowest 28.21 below lsd, May 8, 1957. Records available: 1956-60. Feb. 10, 23.39; May 4, 22.11; July 8, 22.95; Sept. 6, 23.44.

2-5-9aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 10.68 below lsd, May 4, 1960; lowest 16.34 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 10, 13.26; May 4, 10.68; July 8, 11.13; Sept 6, 12.10.

2-5-10cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.03 below lsd, May 4, 1960; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 10, 8.72; May 4, 8.03; July 8, 9.61; Sept. 6, 12.33.

2-5-10dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 28.03 below lsd, May 4, 1960; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-60. Feb. 10, 28.09; May 4, 28.03; July 8, 28.09; Sept. 6, 28.43.

2-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.56 below lsd, Sept. 6, 1960; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-60. Feb. 10, 26.27; May 4, 24.74; July 8, 24.75; Sept. 6, 23.56.

2-5-17aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.55 below lsd, May 4, 1960; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 10, 6.93; May 4, 5.55; July 8, 7.32; Sept. 6, 9.18.

2-5-18bb. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 49 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 6.47 below lsd, July 8, 1960; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 10, 8.01; May 4, 6.66; July 8, 6.47; Sept. 6, 6.74.

2-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.49 below lsd, July 8, 1960; lowest 18.30 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 10, 15.43; May 4, 11.77; July 8, 11.49; Sept. 6, 13.59.

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 3.87 below lsd, Feb. 11, 1960; lowest 11.33 below lsd, Feb. 19,

1958. Records available: 1956-60. Feb. 11, 3.87; May 6, 3.95; July 8, 5.09; Sept. 6, 5.93.

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: 1956-60. Feb. 10, 17.72; May 4, 18.20; July 8, 19.61; Sept. 6, 19.87.

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: 1956-60. Feb. 11, 6.20; May 6, 3.59; July 8, 7.12; Sept. 6, 6.50.

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: 1956-60. Feb. 10, 23.47; May 4, 22.48; July 8, 22.23; Sept. 6, 21.57.

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: 1950-60. Feb. 10, 5.44; May 4, 4.23; July 8, 4.29; Sept. 6, 5.63.

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 28.32 below lsd, Sept. 6, 1960; lowest 34.94 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 10, 29.71; May 4, 28.48; July 8, 28.74; Sept. 6, 28.32.

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 21.77 below lsd, Sept. 6, 1960; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-60. Feb. 11, 24.95; May 6, 23.36; July 8, 23.56; Sept. 6, 21.77.

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: 1956-60. Feb. 10, 9.08; May 6, 7.22; July 8, 8.53; Sept. 6, 9.53.

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 11.18 below lsd, Sept. 6, 1960; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-60. Feb. 11, 13.43; May 6, 12.09; July 8, 11.73; Sept. 6, 11.18.

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: 1956-60. Feb. 11, 22.16; May 6, 19.99; July 8, 20.67; Sept. 6, 21.60.

2-5-31aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches,

depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 18.34 below lsd, Sept. 6, 1960; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-60. Feb. 11, 18.90; May 6, 18.54; July 8, 18.60; Sept. 6, 18.34.

2-5-31dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 20.38 below lsd, July 12, 1956; lowest 23.20 below lsd, Feb. 19, 1958. Records available: 1956-58. No measurement made in 1960.

2-5-35dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 32.63 below lsd, Sept. 6, 1960; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 11, 35.05; May 6, 33.48; July 8, 33.14; Sept. 6, 32.63.

2-5-36ab. (MB) U.S.G.S. Jetted observation well in alluvium, diameter ¾ inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.10 below lsd, Aug. 6, 1951; lowest 22.30 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-60. Apr. 21, 21.00; July 6, 19.90.

3-4-17bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 22 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.00 below lsd, July 3, 1951; lowest 11.69 below lsd, Feb. 20, 1957. Records available: 1950-60. Feb. 12, 7.59; May 9, 5.79; July 14, 5.43; Sept. 6, 7.50.

3-4-17cc. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.20 below lsd, July 3, 1951; lowest 8.99 below lsd, Sept. 22, 1955. Records available: 1950-60. Feb. 12, 5.58; May 9, 4.75; July 11, 4.34; Sept. 6, 4.29.

3-4-28ab. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ inch, depth 43 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 17.70 below lsd, Aug. 1, 1951; lowest 28.22 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-60. Apr. 21, 26.40; June 8, 25.60; July 26, 24.70; Oct. 17, 25.50.

3-4-29ab. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ inch, depth 25 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.50 below lsd, July 2, 1951; lowest 9.64 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-60. Apr. 21, 6.90; July 26, 7.30; Oct. 17, 8.80.

3-4-30ba. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 39.60 below lsd, July 14, 1960; lowest 44.91 below lsd, Feb. 20, 1957. Records available: 1956-60. May 9, 40.15; July 14, 39.60; Sept. 6, 40.81.

3-4-32cc. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ inch, depth 16 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 0.70 below lsd, June 13, 1951; lowest 8.84 below lsd, Mar. 21, 1957. Records available: 1950-60. Feb. 13, 5.64; May 10, 5.51; July 14, 5.00; Sept. 6, 5.23.

3-5-1ab. (MB) U.S.G.S. Jetted observation well in sand, diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. High-



est water level 2.80 below lsd, June 15, 1951; lowest 13.73 below lsd, Nov. 8, 1956. Records available: 1950-59. No measurement made in 1960.

3-5-2ba. (MB) U.S.B.R. Drilled observation well, diameter 1¼ 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: 1956-60. Feb. 11, 13.24; May 6, 12.94; July 8, 13.29; Sept. 6, 12.08.

3-5-3aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ 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: 1956-60. Feb. 11, 14.00; May 6, 11.39; July 8, 11.88; Sept. 6, 13.02.

3-5-3cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 19.73 below lsd, May 6, 1960; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-60. Feb. 11, 23.00; May 6, 19.73; July 8, 19.93; Sept. 6, 21.00.

3-5-4aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 47 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 12.58 below lsd, Sept. 6, 1960; lowest 25.47 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 11, 15.53; May 6, 14.16; July 8, 13.92; Sept. 6, 12.58.

3-5-5aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 7.52 below lsd, Sept. 6, 1960; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 8.36; May 6, 7.63; July 8, 8.04; Sept. 6, 7.52.

3-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 55 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.60 below lsd, May 6, 1960; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 11, 16.42; May 6, 15.60; July 8, 16.29; Sept. 6, 17.12.

3-5-6dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 36 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.39 below lsd, May 6, 1960; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-60. Feb. 11, 13.64; May 6, 11.39; July 8, 12.37; Sept. 6, 12.83.

3-5-8cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 8.30 below lsd, Sept. 6, 1960; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-60. Feb. 11, 12.91; May 9, 8.69; July 11, 9.83; Sept. 6, 8.30.

3-5-9dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 18.00 below lsd, Feb. 11, 1960; lowest 23.78 below lsd, Feb. 20, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 18.00. Well destroyed.

3-5-10aa. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest

water level 23.28 below lsd, Sept. 6, 1960; lowest 26.49 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 11, 24.45; May 6, 23.93; July 8, 23.60; Sept. 6, 23.28.

3-5-11cc. (MB) U.S.B.R. Bored observation well in clay, diameter  $1\frac{1}{4}$  inches, depth 16 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.89 below lsd, May 14, 1952; lowest dry, entire year of 1957. Records available: 1950-59. Well destroyed.

3-5-11dd. (MB) Rex Farrell. Dug unused well, diameter 36 inches, depth 40 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 13.71 below lsd, May 14, 1952; lowest 26.99 below lsd, May 12, 1958. Records available: 1950-60. Feb. 11, 22.16; May 9, 20.70; July 11, 17.77; Sept. 6, 17.33.

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 14.89 below lsd, July 11, 1960; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 17.30; May 9, 15.03; July 11, 14.89; Sept. 6, 15.26.

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 6.44 below lsd, Sept. 6, 1960; lowest 20.37 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 11, 12.96; May 9, 10.79; July 8, 10.01; Sept. 6, 6.44.

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 25.12 below lsd, Sept. 6, 1960; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 25.40; May 9, 25.48; July 11, 25.28; Sept. 6, 25.12.

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 8.24 below lsd, Sept. 6, 1960; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 15.68; May 9, 15.75; July 11, 14.42; Sept. 6, 8.24.

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 19.64 below lsd, Sept. 6, 1960; lowest 27.52 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 11, 21.48; May 9, 20.55; July 11, 20.46; Sept. 6, 19.64.

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 16.87 below lsd, Sept. 6, 1960; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 21.04; May 9, 20.42; July 11, 19.17; Sept. 6, 16.87.

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 19.14 below lsd, Sept. 6, 1960; lowest 30.16 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 11, 22.35; May 9, 20.33; July 11, 20.20; Sept. 6, 19.14.

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 0.66 below lsd, May 9, 1960; lowest dry, entire year of 1957. Records available: 1949-60. Feb. 11, 4.46; May 9, 0.66; July 11, 2.29; Sept. 6, 2.88.

3-5-18cd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.03 below lsd, May 9, 1960; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 11, 10.07; May 9, 7.03; July 11, 8.32; Sept. 6, 10.48.

3-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 18.81 below lsd, Sept. 6, 1960; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 11, 20.45; May 9, 19.42; July 11, 19.13; Sept. 6, 18.81.

3-5-20ab. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 14.53 below lsd, Sept. 6, 1960; lowest 25.59 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 11, 16.02; May 9, 16.88; July 11, 16.72; Sept. 6, 14.53.

3-5-20cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 14.16 below lsd, Sept. 6, 1960; lowest dry, entire year of 1957, Feb. 9, 1959. Records available: 1956-60. Feb. 12, 19.75; May 9, 15.76; July 14, 16.16; Sept. 6, 14.16.

3-5-21cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.09 below lsd, Sept. 6, 1960; lowest 27.99 below lsd, Feb. 19, 1958. Records available: 1956-60. Feb. 12, 16.41; May 9, 15.06; July 14, 14.80; Sept. 6, 12.09.

3-5-21dd. (MB) U.S.B.R. Bored observation well in clay, diameter 1¼ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.25 below lsd, Sept. 6, 1960; lowest dry, entire year of 1957. Records available: 1949-60. Feb. 12, 6.80; May 9, 5.58; July 14, 4.98; Sept. 6, 2.25.

3-5-22cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 11.50 below lsd, Sept. 6, 1960; lowest dry, May 8, 1957. Records available: 1956-60. Feb. 12, 18.25; May 9, 15.99; July 14, 13.35; Sept. 6, 11.50.

3-5-33cc. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 13.88 below lsd, July 14, 1960; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-60. Feb. 13, 14.18; May 10, 14.53; July 14, 13.88.

3-5-35bb. (MB) U.S.B.R. Drilled observation well, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 9.07 below lsd, Feb. 12, 1960; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-60. Feb. 12, 9.07; May 9, 9.25; July 14, 9.37; Sept. 6, 10.15.

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 6.30 below lsd, June 9, 1960; lowest 20.55 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958, 1960. June 9, 6.30; July 26, 8.10; Oct. 17, 8.30.

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, 1958-60. Apr. 21, 8.40; June 8, 9.20; July 26, 10.10; Oct. 17, 11.20.

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 8.50 below lsd, June 8, 1960. Records available: 1950-56, 1958-60. Apr. 21, 3.80; June 8, 8.50; July 26, 5.60; Oct. 17, 6.70.

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 45.76 below lsd, July 14, 1960; lowest 51.50 below lsd, Feb. 9, 1959. Records available: 1956-60. Feb. 13, 47.45; May 10, 47.65; July 14, 45.76; Sept. 6, 46.55.

4-4-17dc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.00 below lsd, June 13, 1951; lowest 7.40 below lsd, Sept. 30, 1959. Records available: 1950-56, 1958-60. Apr. 21, 4.10; June 9, 5.50; July 26, 6.20; Oct. 17, 6.70.

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, 1958-60. Apr. 21, 14.20; June 9, 14.20; July 26, 13.80; Oct. 17, 15.30.

4-4-21bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.40 below lsd, Aug. 1, 1951; lowest 9.29 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958. Measurement discontinued.

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. Apr. 21, 6.40; Oct. 17, 7.20.

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. May 10, 31.90; Sept. 6, 32.48.

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 22.05 below lsd, July 14, 1960; lowest 27.53 below lsd, Feb. 9, 1959. Records available: 1956-60. Feb. 13, 25.24; May 10, 22.07; July 14, 22.05; Sept. 6, 23.65.

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 15.37 below lsd, May 10, 1960; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-60. May 10, 15.37; July 14, 15.71; Sept. 6, 17.56.

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 9.95 below lsd, Sept. 6, 1960; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-60. Feb. 13, 12.18; May 10, 11.21; July 14, 11.25; Sept. 6, 9.95.

4-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.61 below lsd, Sept. 11, 1959; lowest dry, Feb. 20, 1957. Records available: 1956-60. Feb. 13, 14.60; May 10, 15.29; July 14, 10.56; Sept. 6, 8.52.

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 10.32 below lsd, Sept. 6, 1960; lowest 17.04 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 13, 10.85; May 10, 12.14; July 14, 12.68; Sept. 6, 10.32.

4-5-11cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.12 below lsd, May 10, 1960; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-60. Feb. 13, 12.22; May 10, 11.12; July 14, 11.89; Sept. 6, 12.88.

4-5-15bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 35 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 19.83 below lsd, Feb. 13, 1960; lowest 28.88 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 13, 19.83; May 10, 21.48; July 14, 22.52; Sept. 6, 23.05.

4-5-15cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.68 below lsd, Feb. 10, 1960; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 10, 0.68; May 9, 1.80; July 14, 2.81; Sept. 6, 3.74.

4-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 17.54 below lsd, May 10, 1960; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 10, 18.30; May 10, 17.54; July 14, 18.11; Sept. 6, 18.87.

4-5-17bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 18.34 below lsd, Feb. 13, 1960; lowest dry, Mar. 8, 1957. Records available: 1956-60. Feb. 13, 18.34; May 10, 18.66; July 14, 18.88; Sept. 6, 19.06.

4-5-23aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 5.18 below lsd, May 10, 1960; lowest 16.20 below lsd, Mar. 21, 1957. Records available: 1956-60. Feb. 10, 5.48; May 10, 5.18; July 14, 6.74; Sept. 6, 8.16.

RICE COUNTY

19-10-20ad. (C) John Probst. Drilled industrial well in sand and gravel of Pleistocene age, diameter 6 inches, depth 67 feet. Measuring point, top of casing, 0.10 foot above lsd. Highest water level 5.07 below lsd, May 10, 1959; lowest 9.23 below lsd, Dec. 19, 1960. Records available: 1959-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	8.71	Apr. 20	6.16	July 21	7.24	Oct. 19	8.67
Mar. 4	7.99	May 19	6.65	Aug. 23	7.80	Nov. 22	8.93
	22 7.43	June 22	5.98	Sept. 22	8.38	Dec. 19	9.23

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: 1959-60.

Jan. 22	11.29	May 19	9.73	Aug. 23	9.75	Nov. 22	9.41
Mar. 3	10.96	June 22	9.38	Sept. 22	9.78	Dec. 19	9.37
Apr. 20	10.01	July 21	9.42	Oct. 19	9.54		

20-9-12dda. (C) David C. Griffin. Driven domestic well in alluvium, diameter 1½ inches, depth 33 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 11.98 below lsd, Dec. 19, 1960; lowest 12.28 below lsd, Sept. 22, 1960. Records available: 1960. Aug. 23, 12.18; Sept. 22, 12.28; Oct. 19, 12.17; Nov. 22, 12.07; Dec. 19, 11.98.

ROOKS COUNTY

7-16-9dd. (C) Ed V. Jones. Drilled irrigation well in alluvium, diameter 16 inches, depth 61 feet. Measuring point, breather pipe on north side pump base, 1.30 feet above lsd. Highest water level 42.54 below lsd, Dec. 14, 1960; lowest 50.52 below lsd, Apr. 7, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1958	44.47	Apr. 28, 1959	43.65	Feb. 12, 1960	43.94
Mar. 18	44.41	May 19	43.51	Apr. 7	43.74
Apr. 15	44.32	June 18	43.25	14	43.72
May 15	44.26	July 17	44.24	May 12	43.61
June 11	44.20	Oct. 6	44.32	June 15	43.48
July 10	44.12	13	44.24	July 12	43.39
Nov. 18	44.44	20	44.19	Aug. 11	43.28
Dec. 16	43.86	Nov. 17	44.06	Sept. 20	43.10
Jan. 13, 1959	43.59	Dec. 23	43.97	Oct. 10	42.95
Feb. 20	43.20	Jan. 21, 1960	43.75	Nov. 17	42.69
Apr. 7	50.52	Feb. 11	43.95	Dec. 14	42.54

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 41.82 below lsd, Sept. 20, 1960; lowest 42.30 below lsd, Dec. 14, 1960. Records available: 1960. Aug. 11, 41.98; Sept. 20, 41.82; Oct. 10, 41.92; Nov. 17, 42.18; Dec. 14, 42.30.

7-17-13cbc. (C) Roy Ballard. Drilled water-table observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 4.30 feet above lsd. Highest water level 21.86 below lsd, Aug. 11, 1960; lowest 22.48 below lsd, Dec. 14, 1960. Records available: 1960. Aug. 11, 21.86; Sept. 20, 22.12; Oct. 10, 22.22; Nov. 17, 22.43; Dec. 14, 22.48;

7-17-23da. (C) Mr. Watts. Drilled abandoned stock well in alluvium, diameter 8 inches, depth 20 feet. Measuring point, top south side well casing, 0.80 foot below lsd. Highest water level 10.67 below lsd, Apr. 17, 1958; lowest 13.92 below lsd, Oct. 6, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1958	11.79	Apr. 7, 1959	13.27	Feb. 12, 1960	13.47
Feb. 18	13.46	May 19	12.74	Apr. 17	10.93
Mar. 18	13.61	June 18	12.72	May 12	11.13
Apr. 17	10.67	Sept. 14	13.86	June 15	11.61
May 15	11.42	Oct. 6	13.92	17	11.61
June 11	11.18	13	13.82	Aug. 11	13.12
July 10	11.53	20	13.78	Sept. 20	13.10
Nov. 18	12.82	Nov. 17	13.78	Oct. 10	13.27
Dec. 16	12.78	Dec. 23	13.59	Nov. 17	13.50
Jan. 12, 1959	12.86	Jan. 19, 1960	13.53	Dec. 24	13.48
Feb. 20	12.73				

7-17-24bbb. (C) Roy Ballard. Drilled stock well in alluvium, diameter 10 inches, depth 28 feet. Measuring point, top NW side casing, 0.80 foot above lsd. Highest water level 13.29 below lsd, Apr. 15, 1958; lowest 15.39 below lsd, Sept. 14, 1959. Records available: 1958-60.

Jan. 13, 1958	15.34	Apr. 7, 1959	13.81	Feb. 11, 1960	14.81
Feb. 18	15.20	May 19	14.23	Apr. 7	13.51
Mar. 18	14.56	June 18	14.17	May 12	13.50
Apr. 15	13.29	Sept. 14	15.39	June 15	13.40
May 15	13.66	Oct. 6	15.32	17	13.57
June 11	13.48	13	15.26	Aug. 11	13.71
July 10	13.96	20	15.21	Sept. 20	14.40
Nov. 18	14.65	Nov. 17	15.20	Oct. 10	14.50
Dec. 16	14.48	Dec. 23	15.00	Nov. 17	14.64
Jan. 12, 1959	14.43	Jan. 19, 1960	14.93	Dec. 14	14.51
Feb. 20	14.21				

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 9.03 below lsd, Aug. 11, 1960; lowest 11.44 below lsd, Oct. 10, 1960. Records available: 1960. Aug. 11, 9.03; Sept. 20, 11.31; Oct. 10, 11.44; Nov. 17, 11.40; Dec. 14, 11.33.

7-17-24bcc. (C) Roy Ballard. Drilled water-table observation well in alluvium, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, at land surface. Highest water level 8.49 below lsd, Aug. 11, 1960; lowest 9.06 below lsd, Oct. 10, 1960. Records available: 1960. Aug. 11, 8.49; Sept. 20, 8.97; Oct. 10, 9.06; Nov. 17, 8.99; Dec. 14, 8.98.

7-18-24ac. (C) Reid Baxter. Drilled domestic well in alluvium, diameter 6 inches, depth 30 feet. Measuring point, top east side casing, 0.50 foot above lsd. Highest water level 22.13 below lsd, July 10, 1958; lowest 25.23 below lsd, Dec. 23, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1958	23.38	Apr. 28, 1959	22.25	Feb. 11, 1960	24.01
Feb. 17	23.14	May 18	22.30	Apr. 7	23.37
Mar. 17	23.03	June 16	22.84	15	23.25
Apr. 11	22.69	July 17	23.63	May 12	22.77
May 13	22.14	Sept. 14	25.17	June 15	22.20
June 11	22.89	Oct. 6	25.08	July 15	22.35
July 10	22.13	13	25.07	Aug. 11	23.17
Nov. 18	23.09	20	24.98	Sept. 20	24.29
Dec. 16	22.86	Nov. 17	24.66	Oct. 10	24.48
Jan. 13, 1959	22.63	Dec. 23	25.23	Nov. 17	24.04
Feb. 16	22.56	Jan. 21, 1960	24.09	Dec. 14	23.76
Apr. 6	23.62				

7-18-24db. (C) Leon Hamilton. Drilled water-table observation well in alluvium, diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 17.43 below lsd, Aug. 11, 1960; lowest 18.59 below lsd, Dec. 14, 1960. Records available: 1960. Aug. 11, 17.43; Sept. 20, 18.20; Oct. 10, 18.28; Nov. 17, 18.44; Dec. 14, 18.59.

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 10.57 below lsd, Aug. 11, 1960; lowest 11.72 below lsd, Nov. 17, 1960. Records available: 1960. Aug. 11, 10.57; Sept. 20, 11.50; Oct. 10, 11.66; Nov. 17, 11.72; Dec. 14, 11.57.

7-18-25ac. (C) Omer Henderson. Drilled stock well in alluvium, diameter 6 inches, depth 30 feet. Measuring point, top of casing, 4.25 feet above lsd. Highest water level 20.39 below lsd, Apr. 7, 1959; lowest 23.01 below lsd, Sept. 14, 1959. Records available: 1958-60.

Jan. 15, 1958	21.81	Apr. 7, 1959	20.39	Feb. 11, 1960	21.37
Feb. 17	21.02	May 19	22.00	Apr. 7	20.79
Mar. 17	20.80	June 18	21.78	May 12	20.40
Apr. 11	20.95	Sept. 14	23.01	June 15	20.46
May 13	21.10	Oct. 6	22.34	17	20.50
June 11	21.12	13	22.42	Aug. 11	21.86
July 10	21.69	20	22.45	Sept. 20	22.32
Nov. 18	21.48	Nov. 17	22.01	Oct. 10	22.30
Dec. 16	21.28	Dec. 23	21.84	Nov. 17	21.96
Jan. 13, 1959	22.50	Jan. 21, 1960	21.69	Dec. 14	21.92
Feb. 13	21.35				



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: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1958	12.28	Apr. 16, 1959	11.70	Feb. 11, 1960	12.73
Feb. 17	12.32	May 18	12.24	Apr. 7	11.70
Mar. 17	11.80	June 16	12.56	May 12	11.29
Apr. 11	10.27	Sept. 14	14.18	June 15	11.02
May 13	10.65	Oct. 6	13.87	17	10.97
June 18	11.68	13	13.66	July 20	12.38
July 10	11.64	20	13.59	Sept. 20	13.15
Nov. 18	12.41	Nov. 19	13.40	Oct. 10	13.19
Dec. 16	12.27	Dec. 23	13.08	Nov. 17	13.14
Jan. 13, 1959	11.20	Jan. 21, 1960	12.93	Dec. 14	12.92
Feb. 16	12.03				

7-19-23cd. (C) Zack McEwen. Dug stock well, diameter 36 inches, depth 22 feet. Measuring point, south side of pump base, 0.30 foot above lsd. Highest water level 13.16 below lsd, June 15, 1960; lowest 17.90 below lsd, Nov. 17, 1960. Records available: 1958-60.

Feb. 17, 1958	17.55	Apr. 28, 1959	14.76	Apr. 7, 1960	13.50
Mar. 19	17.45	May 18	14.02	15	13.59
Apr. 11	14.69	June 16	14.60	May 12	14.16
May 13	14.56	July 12	14.84	June 15	13.16
June 17	15.06	Sept. 14	16.53	July 15	15.20
July 10	15.13	Oct. 19	14.94	Aug. 11	15.60
Nov. 18	16.66	Nov. 17	15.38	Sept. 20	16.97
Dec. 16	16.87	Dec. 23	15.86	Oct. 10	17.03
Jan. 12, 1959	16.84	Jan. 21, 1960	16.20	Nov. 17	17.90
Feb. 16	15.56	Feb. 11	14.97	Dec. 14	16.79
Apr. 6	14.60				

#### RUSH COUNTY

18-17-14bbc. (C) Lester Dirks. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 18.79 below lsd, June 27, 1960; lowest 25.43 below lsd, Sept. 7, 1960. Records available: 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 20	23.76	Aug. 1	24.51	Sept. 13	24.34	Oct. 25	22.81
27	18.79	8	23.43	20	23.62	Nov. 1	22.54
July 5	18.87	15	23.69	26	23.40	7	22.49
15	20.03	22	25.01	Oct. 4	23.06	15	22.64
21	22.54	29	24.68	11	23.00	22	22.44
25	23.20	Sept. 7	25.43	19	22.88	Dec. 20	22.49

18-17-14bcc. (C) Lester Dirks. Drilled irrigation well in alluvium of Pleistocene age, 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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 27	21.20	Sept. 7	25.94	Oct. 4	22.65	Nov. 1	22.09
July 5	17.90	13	24.26	11	22.49	7	22.04
21	22.67	20	23.35	19	22.55	21	21.99
25	23.52	26	23.02	25	22.37	Dec. 20	22.00
Aug. 29	23.34						

18-17-14ccc. (C) Jerry F. Oborny. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth 69 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.

June 20	15.75	Aug. 1	20.11	Sept. 13	22.39	Oct. 25	20.69
27	15.93	8	21.44	20	21.97	Nov. 1	20.52
July 5	16.37	15	21.82	26	21.63	7	20.43
15	16.92	22	21.89	Oct. 4	21.14	15	20.38
21	21.20	29	21.08	11	20.96	21	20.36
25	19.65	Sept. 7	21.98	19	21.05	Dec. 20	20.36

18-17-14cdc. (C) J. F. Oborny. Drilled irrigation well in alluvium of Pleistocene age, depth 71 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.

June 27	15.78	Aug. 22	21.91	Sept. 26	21.39	Nov. 1	19.40
July 5	16.25	29	22.56	Oct. 4	20.94	7	19.36
15	16.55	Sept. 7	21.90	11	20.77	15	20.26
Aug. 1	20.51	13	22.80	19	20.90	21	19.50
15	22.41	20	21.81	25	20.66	Dec. 20	20.28

18-17-15daa. (C) Louis E. Oborny. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth 63 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.

June 20	16.66	Aug. 1	23.34	Sept. 13	24.90	Oct. 25	22.43
27	17.61	8	24.01	20	23.80	Nov. 1	22.15
July 5	17.85	15	24.36	26	23.33	15	22.35
15	19.75	22	26.25	Oct. 4	22.84	21	21.93
21	22.63	29	23.68	11	22.61	Dec. 20	21.92
25	22.82	Sept. 7	25.31	19	22.62		

18-17-22aad. (C) W. Smercka. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth 54 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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 20	16.31	Aug. 1	20.23	Sept. 13	22.54	Oct. 25	21.56
27	17.02	8	21.19	20	22.36	Nov. 1	20.85
July 5	17.47	15	21.65	26	22.15	7	20.78
15	17.75	22	21.88	Oct. 4	21.80	15	20.88
21	19.51	29	21.99	11	21.70	21	21.07
25	19.61	Sept. 7	22.17	19	21.69	Dec. 20	21.11

18-17-22bcc. (C) Mrs. Fiala. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth 59 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.

June 20	16.15	Aug. 1	18.56	Sept. 13	20.91	Oct. 25	20.53
27	16.23	8	19.19	20	20.94	Nov. 1	20.15
July 5	16.51	15	19.67	26	20.90	7	20.06
15	16.80	22	20.13	Oct. 4	20.67	15	20.21
21	17.33	29	20.39	11	20.64	21	20.03
25	17.90	Sept. 7	20.57	19	20.56	Dec. 20	20.10

18-17-22dad. (C) Mrs. Holopirek. Drilled observation well in alluvium of Pleistocene age, diameter 1¼ inches, depth 61 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 22.43 below lsd, June 20, 1960; lowest 26.33 below lsd, Sept. 26, 1960. Records available: 1960.

June 20	22.43	Aug. 1	24.53	Sept. 13	26.19	Oct. 25	26.13
27	22.47	8	24.98	20	26.25	Nov. 1	25.87
July 5	22.52	15	25.18	26	26.33	7	25.99
15	22.98	22	25.62	Oct. 4	26.18	15	25.84
21	23.60	29	25.60	11	26.22	21	25.80
25	24.15	Sept. 7	25.95	19	26.19	Dec. 20	25.79

18-18-28ad. (C) Mrs. Ercell Solomon. Dug unused stock well in alluvium, diameter 48 inches, depth 47 feet. Measuring point, bottom of pump base, 1.80 feet above lsd. Highest water level 17.42 below lsd, Apr. 18, 1960; lowest 31.76 below lsd, Apr. 10, 1957. Records available: 1957-60.

Jan. 21	21.01	Aug. 1	20.39	Sept. 13	22.47	Oct. 25	21.87
Apr. 18	17.42	8	21.07	20	22.39	Nov. 1	21.68
June 20	18.11	15	21.31	28	22.22	7	21.63
27	17.99	22	21.39	Oct. 4	22.07	15	21.59
July 5	18.31	29	22.17	11	22.03	21	21.57
21	19.94	Sept. 7	22.24	19	21.96	Dec. 20	21.59
25	19.45						

18-20-14ccc. (C) John Georg. Augered observation well in alluvium of

Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 19.97 below lsd, Nov. 7, 1960; lowest 21.03 below lsd, Sept. 20, Dec. 20, 1960. Records available: 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 15	20.00	Aug. 29	20.79	Oct. 11	20.98	Nov. 7	19.97
Aug. 1	20.08	Sept. 7	20.89	19	20.92	15	20.95
8	20.30	13	20.97	25	20.93	21	20.96
15	20.50	20	21.03	Nov. 1	20.03	Dec. 20	21.03
22	20.67	Oct. 4	20.94				

18-20-23cd. (C) Owner unknown. Unused water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 50 feet. Measuring point, top north side of casing, 0.50 foot above lsd. Highest water level 31.55 below lsd, Apr. 18, 1960; lowest 35.94 below lsd, Jan. 22, 1957. Records available: 1954-60.

Jan. 21	33.96	Aug. 22	32.65	Sept. 28	33.45	Nov. 1	33.77
Apr. 18	31.55	29	32.90	Oct. 4	33.55	7	33.71
Aug. 1	32.09	Sept. 7	32.98	11	33.65	15	33.90
8	32.24	13	33.15	19	33.66	21	33.94
15	32.49	20	33.29	25	33.76	Dec. 20	34.01

RUSSELL COUNTY

45. (C) Dick Gossett. NW¼ NW¼ 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. Jan. 20, 18.07; Apr. 14, 17.01; June 15, 17.66; Aug. 3, 18.58; Nov. 29, 17.92.

80. (C) Joseph Furthmyer, Jr. SE¼ SE¼ 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: 1941-60. Jan. 20, 4.94; Apr. 14, 4.48; June 15, 4.32; Aug. 3, 4.90; Sept. 23, 4.83; Nov. 29, 5.50.

81. (C) Joseph Furthmyer, Jr. SE¼ SE¼ 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: 1941-60. Jan. 20, 118.21; Apr. 14, 119.50; June 15, 118.64; Aug. 3, 118.63; Sept. 23, 117.95; Nov. 29, 118.15.

117. (C) Marie Dutt and others. SE¼ NE¼ 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: 1941-60. Jan. 20, 6.05; Apr. 14, 4.96.

146. (C) D. P. Steinle. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 24, T. 14 S., R. 12 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 17 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.60 foot above lsd. Highest water level 12.40 below lsd, Aug. 2, Nov. 29, 1960; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-60. Jan. 20, 13.25; Apr. 14, 12.60; Aug. 2, 12.40; Sept. 23, 14.38; Nov. 29, 12.40.

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: 1941-60. Apr. 14, 3.04; June 15, 4.54; Aug. 2, 7.40; Nov. 29, 6.20.

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: 1941-60. Apr. 14, 16.45; June 15, 15.90; Aug. 3, 15.83; Sept. 23, 16.07; Nov. 29, 16.27.

#### 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, 1955-60. Mar. 28, 18.78; May 26, 18.69; June 30, 18.69; July 28, 18.68; Sept. 1, 18.65; Nov. 30, 18.70.

14-2-30cd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 1.13 below lsd, Oct. 1, 1951; lowest 17.77 below lsd, Aug. 19, 1955. Records available: 1951-53; 1955-60. Mar. 28, 12.24; May 26, 11.23; June 30, 11.75; July 28, 11.98; Sept. 1, 12.89; Nov. 30, 13.10.

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: 1946-60. Mar. 28, 21.70; May 26, 19.62; June 30, 19.97; July 28, 20.95; Sept. 1, 21.90; Nov. 30, 21.30.

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 45 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 28.65 below lsd, Sept. 7, 1956. Records available: 1946-60. Mar. 28, 21.57; May 26, 20.77; June 30, 21.37; July 28, 23.83; Sept. 1, 23.38; Nov. 30, 22.50.

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 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level!

6.56 below lsd, July 24, 1951; lowest 24.59 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-60. Mar. 28, 20.33; May 26, 18.38; June 30, 19.03; July 28, 19.79; Sept. 1, 20.28; Nov. 30, 20.60.

15-2-31ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 7.92 below lsd, Nov. 9, 1951; lowest 20.30 below lsd, June 10, 1957. Records available: 1950-53, 1955-60. Mar. 28, 16.09; May 26, 14.73; June 30, 14.85; July 28, 15.29; Sept. 1, 15.82; Nov. 30, 16.00.

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, 1955-60. Mar. 28, 21.07; May 26, 19.73; June 30, 19.62; July 28, 20.12; Sept. 1, 20.58; Nov. 30, 20.00.

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, 1955-60. Mar. 28, 22.06; May 26, 20.06; June 30, 19.09; July 28, 21.26; Sept. 1, 21.65; Nov. 30, 22.10.

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 35 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 4.30 below lsd, July 24, 1951; lowest 24.52 below lsd, Dec. 17, 1956. Records available: 1946-53, 1955-60. Mar. 28, 19.80; May 26, 18.86; June 30, 17.94; July 28, 19.32; Sept. 1, 19.87; Nov. 30, 20.30.

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 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.57 below lsd, Nov. 9, 1951; lowest 32.25 below lsd, Aug. 19, 1957. Records available: 1946-53, 1955-60. Mar. 28, 26.97; May 26, 25.86; June 30, 25.67; July 28, 26.20; Sept. 1, 26.23; Nov. 30, 26.60.

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, 1955-60. Mar. 28, 19.28; May 26, 17.70; June 30, 18.87; July 28, 18.60; Sept. 1, 18.68; Nov. 30, 19.00.

16-2-8ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.94 below lsd, Oct. 20, 1950; lowest 25.44 below lsd, May 8, 1957. Records available: 1950-53, 1955-60. Mar. 28, 24.19; May 26, 22.29; June 30, 24.14; July 28, 24.10; Sept. 1, 24.09; Nov. 30, 23.90.

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, 1955-60. Mar. 28, 22.10; May 26, 22.13; June 30, 22.34; July 28, 23.97; Sept. 1, 22.03; Nov. 30, 23.40.

16-3-12bcb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 2.40 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, 1955-60. Mar. 28, 5.57; May 26, 8.54; June 30, 10.17; July 28, 11.36; Sept. 1, 12.24; Nov. 30, 13.90.

16-3-13aaa. (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, 1.10 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, 1955-60. Mar. 28, 21.67; May 26, 18.72; June 30, 21.75; July 28, 21.75; Sept. 1, 21.75; Nov. 30, 21.70.

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 48 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 26.25 below lsd, Sept. 7, 1956. Records available: 1946-53, 1955-60. Mar. 28, 21.49; May 26, 19.49; June 30, 19.55; July 28, 19.70; Sept. 1, 20.53; Nov. 30, 19.30.

16-3-26dcd. (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: 1946-60. Mar. 28, 18.06; May 26, 16.26; June 30, 16.91; July 28, 18.32; Sept. 1, 18.72; Nov. 30, 18.50.

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, 1955-60. Mar. 28, 13.59; May 26, 13.13; June 30, 13.29; July 28, 13.89; Sept. 1, 14.59; Nov. 30, 14.60.

#### 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: 1931-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	78.69	78.51	.....	.....	78.00	77.86	77.78	.....	82.81	80.58	79.93	81.83
10	78.66	78.51	.....	78.12	78.00	77.84	77.73	.....	82.95	80.40	79.83	.....
15	78.62	78.49	.....	78.10	77.97	77.80	78.90	82.14	82.38	80.29	79.80	.....
20	78.60	78.42	.....	78.11	77.98	77.79	80.14	82.30	81.61	80.16	79.79	.....
25	78.56	.....	.....	78.09	77.90	77.80	80.76	82.50	81.13	80.06	81.03	.....
30	78.52	.....	.....	78.10	77.90	77.74	81.18	82.64	80.81	80.00	81.07	.....

2A. (C) State of Kansas. SE $\frac{1}{4}$  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: 1944-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.20	36.04	35.83	35.16	34.55	34.75	35.32	36.59	39.76	38.88	38.80	38.68
10	36.12	35.97	35.80	34.97	34.63	34.80	35.24	37.40	39.91	38.83	38.65	38.61
15	36.13	35.95	35.64	34.89	34.47	34.70	35.20	37.98	39.55	38.83	38.52	38.69
20	36.11	35.89	35.63	34.84	34.53	34.88	35.21	38.64	39.28	38.75	38.60	38.67
25	36.01	35.85	35.49	34.76	34.50	34.89	35.34	39.04	39.12	38.72	38.53	38.09
30	36.00	.....	35.33	34.77	34.61	35.17	35.70	39.42	39.03	38.73	38.73	35.91

19. (C) Mr. Fouquet. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 12, T. 18 S., R. 33 W. Drilled irrigation water-table well in Ogallala Formation, diameter 12 inches, depth 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: 1939-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	59.46	Apr. 8	58.30	July 12	64.58	Oct. 17	67.32
Feb. 10	59.08	May 4	57.70	Aug. 17	65.33	Nov. 8	61.81
Mar. 11	58.69	June 8	65.33	Sept. 9	73.70	Dec. 9	60.89

50. (C) F. M. Houston. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 129 feet. Measuring point, top of concrete platform, 1.50 feet above lsd. Highest water level 83.02 below lsd, Jan. 23, 1959; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-60.

Jan. 7	85.30	Apr. 8	85.38	July 12	84.98	Oct. 14	84.89
Feb. 10	85.42	May 4	85.09	Aug. 17	84.92	Nov. 8	84.88
Mar. 11	85.34	June 8	85.03	Sept. 9	85.03	Dec. 2	84.20

207. (C) Samuel Bontrager. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 19 S., R. 33 W. Irrigation well in Ogallala Formation, diameter 24 inches, depth 111 feet. Measuring point, top of pump frame, 1.70 feet above lsd. Highest water level 78.01 below lsd, Sept. 6, 1940; lowest 98.78 below lsd, Sept. 11, 1959. Records available: 1940, 1958-60.

Jan. 7	93.01	Apr. 8	91.58	June 14	93.00	Nov. 8	98.09
Feb. 10	92.41	May 4	91.20	July 12	92.60	Dec. 9	96.01
Mar. 11	91.95						

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, 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	48.20	Apr. 8	48.47	Sept. 9	56.10	Nov. 8	52.55
Feb. 10	47.87	May 4	47.03	Oct. 14	53.23	Dec. 9	51.65
Mar. 11	47.48	June 14	48.43				

16-33-19cb. (C) Roy Fairleigh. Drilled irrigation well in Ogallala Formation, diameter 18 inches, depth 192 feet. Measuring point, hole in north pump base, 0.75 foot above lsd. Highest water level 129.78 below lsd, Dec. 12, 1960; lowest 133.63 below lsd, Sept. 28, 1960. Records available: 1959-60. Mar. 28, 130.23; Sept. 28, 133.63; Dec. 12, 129.78.

#### 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: 1937-60.

Jan. 26	17.96	Apr. 25	16.74	July 25	16.48	Oct. 25	15.92
Feb. 25	17.73	May 25	15.68	Aug. 22	16.81	Nov. 25	16.02
Mar. 25	17.55	June 24	15.95	Sept. 23	15.78	Dec. 27	16.41

26. (C) Wichita Water Co. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 18, T. 27 S., R. 1 E. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 26 inches, depth 47 feet. Measuring point, steel plate on instrument shelf, 3.01 feet above lsd. Highest water level 4.24 below lsd, July 2, 1951; lowest 28.59 below lsd, Sept. 8, 1954. Records available: 1937-60.

Jan. 11	13.33	Apr. 15	11.56	July 15	13.26	Oct. 7	13.64
	15 13.34		22 12.05		22 13.28		14 13.70
	22 13.60		29 12.30	Aug. 5	13.69		28 13.66
Feb. 1	13.16	May 13	12.60		12 13.78	Nov. 4	13.66
	5 13.00		20 12.68		19 13.88		10 13.52
	12 12.51	June 1	12.72		26 12.55		18 13.66
	19 12.78		3 12.79	Sept. 2	12.50		25 13.76
	26 13.11		10 12.70		9 13.24	Dec. 2	13.76
Mar. 11	12.87		17 11.73		16 13.32		9 13.71
	18 12.54		24 11.85		23 13.81		23 13.71
Apr. 1	11.74	July 1	12.98	Oct. 3	13.49		30 13.67
	8 11.05		8 12.07				

114. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.35 below lsd, Oct. 2, 1958; lowest 9.66 below lsd, Mar. 1, 1957. Records available: 1954-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	6.05	May 2	4.36	Aug. 1	5.62	Nov. 1	5.60
Mar. 1	5.85	June 1	4.68	Sept. 1	5.43	Dec. 1	5.95
30	4.63	July 1	4.57	29	5.41		

115. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 22, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.22 below lsd, July 1, 1957; lowest 8.83 below lsd, Nov. 1, 1956. Records available: 1954-60.

Feb. 1	5.03	May 2	4.70	Aug. 1	5.82	Nov. 1	4.15
Mar. 1	4.90	June 1	4.90	Sept. 1	4.36	Dec. 1	5.00
30	3.50	July 1	5.60	29	4.09		

116. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.20 below lsd, June 29, 1954; lowest 23.02 below lsd, Sept. 1, 1959. Records available: 1954-60. Feb. 1, 22.39. Measurement discontinued.

117. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.69 below lsd, Oct. 2, 1958; lowest 14.79 below lsd, Apr. 1, 1957. Records available: 1954-60.

Feb. 1	12.42	May 2	11.67	Aug. 1	11.91	Nov. 1	11.36
Mar. 1	12.31	June 1	11.55	Sept. 1	11.55	Dec. 1	11.40
30	11.97	July 1	11.59	29	11.35		

124. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 5, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, depth 70 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.19 below lsd, July 1, 1957; lowest 20.73 below lsd, Mar. 1, 1957. Records available: 1955-60.

Feb. 1	18.25	May 2	17.15	Aug. 1	17.32	Nov. 1	16.20
Mar. 1	18.26	June 1	16.82	Sept. 1	14.20	Dec. 1	16.86
30	14.68	July 1	16.62	30	15.64		

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 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 5.86 below lsd, June 27, 1957; lowest 15.69 below lsd, Apr. 1, 1959. Records available: 1956-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	13.00	May 2	11.77	Aug. 1	11.97	Nov. 1	11.05
Mar. 1	12.90	June 1	11.29	Sept. 1	8.03	Dec. 1	11.87
30	8.80	July 1	10.92	29	10.00		

126. (C) City of Wichita. NW cor. sec. 22, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, at land surface. Highest water level 8.78 below lsd, Aug. 1, 1958; lowest 15.84 below lsd, Jan. 31, 1957. Records available: 1955-60.

Feb. 1	12.72	May 2	11.73	Aug. 1	12.30	Nov. 1	10.74
Mar. 1	12.71	June 1	11.48	Sept. 1	9.23	Dec. 1	11.75
30	9.43	July 1	11.44	29	10.39		

307. (C) J. R. Clark. NW¼ NW¼ SW¼ sec. 1, T. 25 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 92 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 9.08 below lsd, May 12, 13, 20, 1945; lowest 34.45 below lsd, May 1, 1957. Records available: 1937-54, 1956-60.

Feb. 1	24.84	May 2	24.30	Aug. 1	23.25	Nov. 1	22.10
Mar. 1	24.81	June 1	23.85	Sept. 1	23.10	Dec. 1	22.31
30	24.33	July 1	23.75	29	22.63		

804. (C) City of Wichita. SE cor. sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 0.10 below lsd, Aug. 4, 1950; lowest 7.25 below lsd, Dec. 1, 1955. Records available: 1938-60.

Feb. 1	2.89	June 1	2.90	Sept. 29	2.43	Nov. 22	2.71
Mar. 1	2.88	July 1	3.24	Oct. 20	2.09	Dec. 1	2.89
30	2.14	Aug. 1	3.57	Nov. 1	2.38	19	2.70
May 2	2.18	Sept. 1	1.59				

805. (C.) City of Wichita. NW¼ NE¼ sec. 19, T. 26 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.57 below lsd, May 2, 1945; lowest 8.66 below lsd, Jan. 3, 1956. Measurement of May 1956 was erroneously reported as 2.29 on May 13; it should read 6.29 on May 31. Records available: 1938-60.

Feb. 1	3.43	June 1	3.96	Sept. 29	3.39	Nov. 22	3.20
Mar. 1	3.49	July 1	4.05	Oct. 20	2.97	Dec. 1	3.57
30	2.97	Aug. 1	4.42	Nov. 1	3.06	19	3.07
May 2	3.17	Sept. 1	2.99				

807. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	22.06	June 1	21.33	Sept. 29	21.80	Nov. 22	21.81
Mar. 1	21.89	July 1	21.37	Oct. 20	21.79	Dec. 1	21.88
	30 21.49	Aug. 1	21.73	Nov. 1	21.83	19	21.60
May 2	21.27	Sept. 1	21.83				

808. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 18, T. 26 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest 24.32 below lsd, Oct. 20, 1960. Well erroneously reported dry Jan. 1955 to Dec. 1956. Record should read "no measurement made in 1955-56." Period of record has been corrected to: 1938-53, 1958-60.

Feb. 1	22.96	June 1	22.40	Sept. 29	22.38	Nov. 22	22.23
Mar. 1	22.83	July 1	22.31	Oct. 20	24.32	Dec. 1	22.35
	30 22.56	Aug. 1	22.42	Nov. 1	22.33	19	22.09
May 2	22.47	Sept. 1	22.41				

809. (C) City of Wichita. NW cor. sec. 21, T. 26 S., R. 1 E. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.68 below lsd, Jan. 31, 1957. Records available: 1938-60.

Feb. 1	13.03	May 2	11.92	Aug. 1	12.32	Nov. 1	10.73
Mar. 1	12.73	June 1	11.80	Sept. 1	11.65	Dec. 1	11.27
	30 12.12	July 1	12.02	29	11.07		

810. (C) City of Wichita. NE cor. SE $\frac{1}{4}$  sec. 35, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 14.82 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1938-60.

Feb. 1	13.13	May 2	12.28	Aug. 1	12.73	Nov. 1	12.13
Mar. 1	12.88	June 1	11.99	Sept. 1	12.19	Dec. 1	12.53
	30 11.73	July 1	11.11	29	11.20		

811. (C) City of Wichita. SE cor. sec. 33, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd.

Highest water level 3.27 below lsd, July 10, 1951; lowest 11.08 below lsd, Mar. 1, 1957. Records available: 1938-58. Measurement discontinued.

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: 1938-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	12.62	May 2	11.67	Aug. 1	12.11	Nov. 1	10.76
Mar. 1	12.51	June 1	11.54	Sept. 1	10.90	Dec. 1	11.38
30	11.37	July 1	11.65	29	10.98		

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 6.23 below lsd, July 10, 1951; lowest 19.00 below lsd, Apr. 1, 1957. Records available: 1938-60.

Feb. 1	15.14	May 2	15.13	Aug. 1	14.55	Nov. 1	13.62
Mar. 1	15.33	June 1	14.93	Sept. 1	14.54	Dec. 1	13.39
30	15.36	July 1	14.72	29	14.00		

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: 1938-60.

Feb. 1	17.67	May 2	17.11	Aug. 1	16.60	Nov. 1	15.85
Mar. 1	17.76	June 1	16.76	Sept. 29	15.83	Dec. 1	15.91
30	17.42	July 1	16.52				

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: 1938-60.

Feb. 1	22.33	May 2	21.89	Aug. 1	21.10	Nov. 1	20.20
Mar. 1	22.29	June 1	21.70	Sept. 1	20.89	Dec. 1	19.95
30	22.03	July 1	21.43	29	20.64		

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: 1938-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	10.29	May 2	8.24	Aug. 1	8.72	Nov. 1	8.48
Mar. 1	10.02	June 1	7.92	Sept. 1	7.24	Dec. 1	9.03
30	8.55	July 1	8.20	29	8.26		

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  $1\frac{1}{4}$  inches, depth 18 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.12 below lsd, May 9, 1944; lowest 16.80 below lsd, Nov. 1, 1956. Records available: 1939-49, 1955-60.

Feb. 1	12.75	May 2	10.95	Aug. 1	10.83	Nov. 1	9.52
Mar. 1	12.56	June 1	9.22	Sept. 1	2.98	Dec. 1	10.25
30	9.54	July 1	9.51	29	7.70		

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  $1\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.35 below lsd, Nov. 30, 1951; lowest 31.56 below lsd, Dec. 1, 1954. Records available: 1938-60.

June 1	24.25	Sept. 1	24.66	Nov. 1	24.74	Dec. 1	24.70
July 1	23.29	29	24.79	22	20.60	19	24.43
Aug. 1	24.75	Oct. 20	24.85				

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  $1\frac{1}{4}$  inches, depth 18 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 13.04 below lsd, Oct. 1, 1956. Records available: 1938-60.

Feb. 1	8.92	June 1	7.34	Sept. 1	8.90	Nov. 1	9.70
Mar. 1	8.58	July 1	8.26	29	9.54	Dec. 1	9.67
30	7.17	Aug. 1	9.26				

838. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 33, T. 25 S., R. 3 W. Driven observation water-table well in sand, diameter  $1\frac{1}{4}$  inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.01 below lsd, Oct. 2, 1951; lowest dry entire year of 1955. Records available: 1938-53, 1955, 1958-60.

Feb. 1	24.29	May 2	23.06	Aug. 1	23.97	Nov. 1	23.86
Mar. 1	24.09	June 1	23.16	Sept. 1	23.59	Dec. 1	24.01
30	23.33	July 1	22.85	29	23.66		

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. Records available: 1952-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	12.45	May 2	11.37	Aug. 1	10.82	Nov. 1	10.57
Mar. 1	11.96	June 1	10.99	Sept. 1	10.54	Dec. 1	10.92
30	11.66	July 1	10.65	29	10.17		

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 1¼ inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 10.48 below lsd, Mar. 1, 1957. Records available: 1939-60.

Feb. 1	6.78	May 2	5.65	Aug. 1	6.60	Nov. 1	6.07
Mar. 1	6.49	June 1	5.82	Sept. 1	6.49	Dec. 1	6.40
30	5.45	July 1	5.53	29	6.10		

847. (C) City of Wichita. SW cor. SE¼ sec. 6, T. 27 S., R. 1 E. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.55 below lsd, May 8, 1944; lowest 18.87 below lsd, Oct. 1, 1956. Records available: 1939-60.

Feb. 1	16.58	May 2	15.93	Aug. 1	16.45	Nov. 1	16.34
Mar. 1	16.38	June 1	15.82	Sept. 1	14.61	Dec. 1	16.64
30	15.05	July 1	15.72	29	15.79		

870. (C) W. Williams. NW¼ NE¼ NE¼ sec. 18, T. 25 S., R. 2 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 19 feet. Measuring point, top of pipe, top of pump base, 2.50 feet above lsd. Highest water level 0.33 below lsd, July 10, 1951; lowest 9.52 below lsd, Dec. 1, 1954. Records available: 1939-60.

Feb. 1	7.08	May 2	5.80	Aug. 1	6.90	Nov. 1	7.09
Mar. 1	6.81	June 1	5.79	Sept. 1	7.15	Dec. 1	7.25
30	5.76	July 1	5.83	29	7.13		

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 1¼ 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: 1950-60.

Feb. 1	19.83	May 2	19.00	Aug. 1	18.18	Nov. 1	18.14
Mar. 1	19.79	June 1	18.35	Sept. 1	18.39	Dec. 1	18.31
30	19.47	July 1	18.07	29	18.22		

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: 1950-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	20.28	May 2	19.16	Aug. 1	18.27	Nov. 1	17.32
Mar. 1	20.09	June 1	18.46	Sept. 1	16.49	Dec. 1	17.58
30	19.57	July 1	18.25	29	17.13		

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: 1949-60.

Feb. 1	8.24	May 2	6.50	Aug. 1	7.89	Nov. 1	8.39
Mar. 1	7.94	June 1	6.96	Sept. 1	8.30	Dec. 1	8.55
30	6.44	July 1	6.95	29	8.15		

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: 1950-60.

Feb. 1	12.90	May 2	12.04	Aug. 1	11.36	Nov. 1	10.84
Mar. 1	12.80	June 1	11.68	Sept. 1	10.95	Dec. 1	10.98
30	12.36	July 1	11.38	29	10.75		

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 9.44 below lsd, Oct. 2, 1958; lowest 13.63 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1953-60.

Feb. 1	10.72	May 2	9.75	Aug. 1	10.60	Nov. 1	10.74
Mar. 1	10.47	June 1	9.94	Sept. 1	10.66	Dec. 1	10.69
30	9.54	July 1	9.90	29	10.94		

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 4.77 below lsd, Oct. 2, 1958; lowest 10.07 below lsd, Mar. 1, 1957. Records available: 1953-60.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	6.52	May 2	5.54	Aug. 1	6.34	Nov. 1	5.52
Mar. 1	6.23	June 1	5.39	Sept. 1	5.78	Dec. 1	5.74
30	5.20	July 1	5.25	29	5.45		

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 14.76 below lsd, Dec. 5, 1960; lowest 21.76 below lsd, Feb. 25, 1958. Records available: 1954-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.02	16.99	16.80	16.64	16.25	16.05	15.85	15.77	15.16	14.83	14.80	14.76
10	17.01	16.96	.....	16.60	15.23	16.03	15.83	15.82	15.09	14.82	14.85	.....
15	17.02	16.98	.....	16.55	15.24	16.01	15.79	15.61	15.09	14.83	14.85	.....
20	17.04	16.96	.....	16.50	15.22	15.93	15.77	.....	.....	.....	14.87	.....
25	17.01	16.95	.....	16.46	15.14	15.86	15.78	.....	15.87	14.84	14.85	.....
30	17.02	.....	16.70	16.41	15.11	15.85	15.77	.....	14.84	14.85	14.88	14.97

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 6.47 below lsd, May 1, 1952; lowest 11.70 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1952-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	8.91	May 2	8.10	Aug. 1	8.43	Nov. 1	7.72
Mar. 1	8.78	June 1	7.87	Sept. 1	7.75	Dec. 1	7.96
30	9.04	July 1	7.90	29	7.55		

M-25b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W., 500 feet southwest of M-25. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. (Measurement of Feb. 2, 1959, in error and should be deleted from record.) Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 31.67 below lsd, Apr. 1, 1957. Records available: 1939-60.

Feb. 1	24.06	May 2	23.68	Aug. 1	22.53	Nov. 1	22.09
Mar. 1	24.49	June 1	23.63	Sept. 1	22.70	Dec. 1	21.68
Apr. 1	23.65	July 1	22.93	30	22.49		

M-27. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 215 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 88.50 below lsd, Apr. 1, 1957. Records available: 1947, 1949-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	27.00	May 2	71.00	Aug. 1	27.00	Nov. 1	26.00
Mar. 1	72.00	June 1	70.00	Sept. 1	71.00	Dec. 1	27.00
Apr. 1	71.00	July 1	71.00	30	70.00		

M-27b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 3, T. 25 S., R. 2 W., 500 feet northwest of M-27. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1947-60.

Feb. 1	25.60	May 2	25.83	Aug. 1	24.50	Nov. 1	23.40
Mar. 1	26.45	June 1	25.41	Sept. 1	24.72	Dec. 1	23.93
Apr. 1	26.37	July 1	25.40	30	24.34		

M-28. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 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, 1949-60.

Feb. 1	62.00	May 2	25.00	Aug. 1	24.00	Nov. 1	62.00
Mar. 1	26.00	June 1	24.00	Sept. 1	23.00	Dec. 1	23.00
Apr. 1	25.00	July 1	24.00	30	23.00		

M-28b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W., 500 feet southwest of M-28. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1947-60.

Feb. 1	26.40	May 2	25.61	Aug. 1	24.85	Nov. 1	23.86
Mar. 1	26.28	June 1	26.20	Sept. 1	24.54	Dec. 1	23.96
Apr. 1	26.02	July 1	25.01	30	24.11		

M-29. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.01 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 2, 1958. Records available: 1947, 1949-60.

Feb. 1	50.00	May 2	25.00	Aug. 1	35.00	Nov. 1	24.00
Mar. 1	25.00	June 1	51.00	Sept. 1	23.00	Dec. 1	52.00
Apr. 1	54.00	July 1	64.00	30	52.00		

M-29b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W., 500 feet southwest of M-29. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 103 feet. Measuring

point, top of pipe, 2.50 feet above lsd. Highest water level 7.01 below lsd, July 2, 1951; lowest 30.55 below lsd, Mar. 1, 1957. Records available: 1947-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	22.59	May 2	22.20	Aug. 1	20.40	Nov. 1	19.60
Mar. 1	21.85	June 1	23.84	Sept. 1	20.24	Dec. 1	22.67
Apr. 1	24.73	July 1	23.59	30	21.53		

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, 1949-60.

Feb. 1	23.00	May 2	23.00	Aug. 1	63.00	Nov. 1	62.50
Mar. 1	63.50	June 1	22.00	Sept. 1	60.00	Dec. 1	21.00
Apr. 1	23.00	July 1	22.00	30	20.00		

M-30b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W., 500 feet northeast of M-30. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 61 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 7.39 below lsd, Oct. 4, 1948; lowest 32.70 below lsd, May 1, 1957. Records available: 1947-60.

Feb. 1	21.58	May 2	21.62	Aug. 1	23.69	Nov. 1	22.72
Mar. 1	25.18	June 1	21.27	Sept. 1	23.49	Dec. 1	19.99
Apr. 1	21.86	July 1	21.31	30	19.80		

M-31. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 197 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 1, 1953. Records available: 1947, 1949-60.

Feb. 1	52.00	May 2	55.00	Aug. 1	24.00	Nov. 1	23.50
Mar. 1	26.00	June 1	25.00	Sept. 1	50.00	Dec. 1	50.00
Apr. 1	26.00	July 1	51.00	30	50.00		

M-31b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W., 500 feet northeast of M-31. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.34 below lsd, July 7, 1948; lowest 35.32 below lsd, May 1, 1957. Records available: 1947-60.

Feb. 1	26.24	May 2	25.24	Aug. 1	23.30	Nov. 1	22.10
Mar. 1	24.78	June 1	24.28	Sept. 1	24.00	Dec. 1	23.49
Apr. 1	24.71	July 1	25.20	30	24.12		

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, 1949-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	26.00	May 2	25.00	Aug. 1	23.00	Nov. 1	22.50
Mar. 1	25.00	June 1	57.00	Sept. 1	23.00	Dec. 1	22.00
Apr. 1	56.50	July 1	24.00	30	22.00		

M-32b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W., 500 feet northeast of M-32. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.40 below lsd, Oct. 4, 1948; lowest 31.83 below lsd, Apr. 1, 1957. Records available: 1947-60.

Feb. 1	24.39	May 2	24.02	Aug. 1	23.11	Nov. 1	21.84
Mar. 1	24.32	June 1	23.95	Sept. 1	23.33	Dec. 1	21.85
Apr. 1	24.13	July 1	23.39	30	22.11		

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, 1949-60.

Feb. 1	48.50	May 2	22.00	Aug. 1	22.00	Nov. 1	21.00
Mar. 1	23.00	June 1	22.00	Sept. 1	21.00	Dec. 1	46.00
Apr. 1	23.00	July 1	22.00	30	21.00		

M-33b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W., 500 feet northeast of M-33. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 75 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.82 below lsd, Oct. 4, 1948; lowest 29.13 below lsd, Apr. 1, 1957. Records available: 1947-60.

Feb. 1	21.42	May 2	20.19	Aug. 1	19.50	Nov. 1	18.29
Mar. 1	20.92	June 1	19.85	Sept. 1	19.34	Dec. 1	18.76
Apr. 1	20.64	July 1	19.69	30	18.76		

M-34. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 150 feet. Measuring point, opening in side of pump base, 2.00 feet above lsd. Highest water level 6.96 below lsd, July 8, 1949; lowest 64.50 below lsd, Sept. 2, 1958. Records available: 1947, 1949-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	25.50	May 2	51.50	Aug. 1	50.00	Nov. 1	22.00
Mar. 1	25.00	June 1	50.00	Sept. 1	22.00	Dec. 1	23.00
Apr. 1	25.00	July 1	50.00	30	22.00		

M-34b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W., 500 feet northwest of M-34. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 85 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 5.64 below lsd, July 7, 1948; lowest 34.18 below lsd, Oct. 1, 1956. Records available: 1947-60.

Feb. 1	22.15	May 2	21.34	Aug. 1	21.41	Nov. 1	19.40
Mar. 1	22.06	June 1	20.86	Sept. 1	20.10	Dec. 1	19.48
Apr. 1	21.61	July 1	21.29	30	19.62		

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, 1949-60.

Feb. 1	26.00	May 2	24.00	Aug. 1	24.00	Nov. 1	44.50
Mar. 1	26.00	June 1	24.00	Sept. 1	24.00	Dec. 1	24.00
Apr. 1	25.00	July 1	24.00	30	45.00		

M-35b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W., 500 feet northwest of M-35. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 86 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 10.60 below lsd, Sept. 2, 1949; lowest 33.51 below lsd, May 1, 1957. Records available: 1947-60.

Feb. 1	25.79	May 2	24.49	Aug. 1	24.37	Nov. 1	23.00
Mar. 1	25.41	June 1	23.95	Sept. 1	23.86	Dec. 1	23.68
Apr. 1	24.96	July 1	24.05	30	24.09		

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 23.48 below lsd, Dec. 1, 1960; lowest 62.99 below lsd, Apr. 1, 1960. Records available: 1958-60.

Feb. 1	62.91	May 2	25.43	Aug. 1	60.66	Nov. 1	23.70
Mar. 1	62.28	June 1	25.48	Sept. 1	60.81	Dec. 1	23.48
Apr. 1	62.99	July 1	61.87	30	23.81		

M-36b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 25 S., R. 1 W., 240 feet southwest of M-36. Drilled observation water-table well in sand and

gravel of Pleistocene age, diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.62 below lsd, Dec. 1, 1960; lowest 25.48 below lsd, Apr. 22, 1958. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	23.51	May 2	22.69	Aug. 1	21.98	Nov. 1	21.00
Mar. 1	23.60	June 1	22.47	Sept. 1	21.69	Dec. 1	20.62
Apr. 1	23.24	July 1	22.64	30	20.89		

M-36d. (C) City of Wichita. SW¼ SW¼ NW¼ sec. 7, T. 25 S., R. 1 W., 240 feet southwest of M-36. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 180 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 21.02 below lsd, Dec. 1, 1960; lowest 35.29 below lsd, July 1, Dec. 1, 1959. Records available: 1958-60.

Feb. 1	34.99	May 2	23.05	Aug. 1	32.76	Nov. 1	21.30
Mar. 1	34.76	June 1	23.10	Sept. 1	32.98	Dec. 1	21.02
Apr. 1	34.88	July 1	34.06	30	21.41		

M-37. (C) City of Wichita. NW¼ NW¼ NE¼ sec. 18, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 16.65 below lsd, Dec. 31, 1958; lowest 63.89 below lsd, Nov. 2, 1959. Records available: 1958-60.

Feb. 1	62.50	May 2	62.64	Aug. 1	61.07	Nov. 1	17.26
Mar. 1	24.25	June 1	61.83	Sept. 1	61.59	Dec. 1	17.29
Apr. 1	63.17	July 1	62.30	30	60.96		

M-37b. (C) City of Wichita. NW¼ NE¼ sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-37. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.65 below lsd, Oct. 2, 1958; lowest 20.74 below lsd, Dec. 31, 1959. Records available: 1958-60.

Feb. 1	20.60	May 2	20.09	Aug. 1	19.09	Nov. 1	17.71
Mar. 1	20.46	June 1	19.86	Sept. 1	18.95	Dec. 1	17.75
Apr. 1	20.16	July 1	19.75	30	18.63		

M-37d. (C) City of Wichita. NW¼ NE¼ sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-37. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 160 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.44 below lsd, Nov. 1, 1958; lowest 32.57 below lsd, Nov. 2, 1959. Records available: 1958-60.

Feb. 1	31.56	May 2	31.60	Aug. 1	30.10	Nov. 1	17.28
Mar. 1	24.17	June 1	31.37	Sept. 1	30.75	Dec. 1	17.30
Apr. 1	31.91	July 1	31.46	30	30.12		

M-38. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 128 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.94 below lsd, Dec. 1, 1960; lowest 72.50 below lsd, Sept. 1, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	19.62	May 2	19.60	Aug. 1	18.16	Nov. 1	17.16
Mar. 1	19.54	June 1	19.16	Sept. 1	17.85	Dec. 1	14.94
Apr. 1	19.30	July 1	18.65	30	17.43		

M-38b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-38. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 46 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.48 below lsd, Nov. 1, 1958; lowest 22.02 below lsd, Sept. 1, 1959. Records available: 1958-60.

Feb. 1	21.39	May 2	21.43	Aug. 1	19.81	Nov. 1	19.01
Mar. 1	21.21	June 1	21.11	Sept. 1	19.45	Dec. 1	18.75
Apr. 1	20.99	July 1	21.31	30	19.12		

M-38d. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 25 S., R. 1 W., 240 feet northeast of M-38. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 127 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.49 below lsd, Oct. 2, 1958; lowest 28.49 below lsd, Sept. 1, 1959. Records available: 1958-60.

Feb. 1	21.54	May 2	21.49	Aug. 1	20.03	Nov. 1	19.08
Mar. 1	21.32	June 1	21.11	Sept. 1	19.70	Dec. 1	18.30
Apr. 1	21.11	July 1	20.50	30	19.29		

M-39. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 154 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.40 below lsd, Dec. 31, 1958; lowest 52.73 below lsd, Feb. 1, 1960. Records available: 1958-60.

Feb. 1	52.73	May 2	51.93	Aug. 1	50.75	Nov. 1	17.59
Mar. 1	51.56	June 1	50.49	Sept. 1	50.82	Dec. 1	26.70
Apr. 1	52.59	July 1	51.34	30	50.15		

M-39b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W., 240 feet southwest of M-39. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.25 below lsd, Oct. 2, 1958; lowest 19.79 below lsd, Feb. 1, 1960. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	19.79	May 2	19.30	Aug. 1	17.92	Nov. 1	15.46
Mar. 1	19.24	June 1	17.71	Sept. 1	18.00	Dec. 1	14.52
Apr. 1	18.85	July 1	18.67	30	17.49		

M-39d. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W., 240 feet southwest of M-39. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1958-60.

Feb. 1	21.50	May 2	21.10	Aug. 1	19.59	Nov. 1	15.55
Mar. 1	20.96	June 1	19.49	Sept. 1	19.73	Dec. 1	14.65
Apr. 1	21.10	July 1	20.39	30	19.18		

M-40. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 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: 1958-60.

Feb. 1	16.78	May 2	16.27	Aug. 1	15.84	Nov. 1	53.58
Mar. 1	16.66	June 1	15.54	Sept. 1	15.60	Dec. 1	53.56
Apr. 1	16.44	July 1	15.82	30	15.08		

M-40b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W., 240 feet southeast of M-40. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1958-60.

Feb. 1	14.49	May 2	13.91	Aug. 1	13.87	Nov. 1	13.00
Mar. 1	14.35	June 1	13.64	Sept. 1	13.42	Dec. 1	13.15
Apr. 1	14.05	July 1	13.23	30	12.93		

M-40d. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W., 240 feet southeast of M-40. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1958-60.

Feb. 1	15.07	May 2	14.60	Aug. 1	14.30	Nov. 1	26.76
Mar. 1	15.07	June 1	14.01	Sept. 1	14.01	Dec. 1	25.74
Apr. 1	14.80	July 1	14.27	30	13.53		

M-51. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age,



diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.22 below lsd, Jan. 2, 1959; lowest 83.50 below lsd, July 1, 1960. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	19.34	May 2	19.09	Aug. 1	18.97	Nov. 1	18.46
Mar. 1	19.46	June 1	18.48	Sept. 1	19.16	Dec. 1	19.17
Apr. 1	18.97	July 1	83.50	30	24.40		

M-51b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W., 240 feet west of M-51. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 38 feet. Measuring point, top of pipe, 0.75 foot above lsd. Highest water level 6.45 below lsd, Nov. 1, 1958; lowest 9.20 below lsd, Oct. 1, 1959. Records available: 1958-60.

Feb. 1	8.39	May 2	6.95	Aug. 1	7.97	Nov. 1	6.96
Mar. 1	8.19	June 1	7.39	Sept. 1	7.87	Dec. 1	8.24
Apr. 1	7.24	July 1	7.43	30	7.83		

M-51d. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W., 240 feet west of M-51. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 162 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.39 below lsd, Jan. 2, 1959; lowest 51.62 below lsd, Sept. 1, 1959. Records available: 1958-60.

Apr. 1	21.00	July 1	50.66	Sept. 1	21.09	Nov. 1	20.22
May 2	21.14	Aug. 1	20.72	30	27.43	Dec. 1	21.11
June 1	20.49						

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 29.61 below lsd, June 1, Sept. 1, 1960. Records available: 1958-60.

Feb. 1	7.38	May 2	5.72	Aug. 1	7.12	Nov. 1	7.91
Mar. 1	7.20	June 1	29.61	Sept. 1	29.61	Dec. 1	7.26
Apr. 1	6.04	July 1	6.44	30	6.86		

M-52b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W., 240 feet southwest of M-52. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 6.51 below lsd, Oct. 2, 1958; lowest 10.76 below lsd, Oct. 1, 1959. Records available: 1958-60.

Feb. 1	9.28	May 2	7.58	Aug. 1	9.02	Nov. 1	8.78
Mar. 1	8.96	June 1	10.22	Sept. 1	10.46	Dec. 1	9.19
Apr. 1	7.90	July 1	8.32	30	8.79		

M-53. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 92 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.14 below lsd, May 2, 1960; lowest 30.46 below lsd, May 1, 1959. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	7.78	May 2	6.14	Aug. 1	7.36	Nov. 1	7.09
Mar. 1	7.64	June 1	6.33	Sept. 1	6.97	Dec. 1	7.52
Apr. 1	6.42	July 1	6.42	30	7.04		

M-53b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W., 240 feet southwest of M-53. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.50 below lsd, Oct. 2, 1958; lowest 8.85 below lsd, Sept. 1, 1959. Records available: 1958-60.

Feb. 1	6.20	May 2	4.55	Aug. 1	5.80	Nov. 1	5.63
Mar. 1	6.02	June 1	4.78	Sept. 1	5.46	Dec. 1	6.00
Apr. 1	4.83	July 1	4.69	30	5.44		

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 6.84 below lsd, June 1, 1960; lowest 21.04 below lsd, Aug. 1, 1960. Records available: 1958-60.

Feb. 1	8.38	May 2	6.88	Aug. 1	21.04	Nov. 1	7.93
Mar. 1	8.27	June 1	6.84	Sept. 1	7.67	Dec. 1	8.39
Apr. 1	7.20	July 1	7.02	30	7.94		

M-54b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W., 240 feet northwest of M-54. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 38 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.58 below lsd, May 2, 1960; lowest 10.82 below lsd, Aug. 1, 1960. Records available: 1959-60.

Feb. 1	9.11	May 2	7.58	Aug. 1	10.82	Nov. 1	8.67
Mar. 1	8.97	June 1	7.62	Sept. 1	8.40	Dec. 1	8.06
Apr. 1	7.89	July 1	7.68	30	8.59		

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: 1958-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	11.93	May 2	9.32	Aug. 1	10.28	Nov. 1	10.11
Mar. 1	10.57	June 1	9.23	Sept. 1	9.92	Dec. 1	10.33
Apr. 1	9.53	July 1	9.06	30	9.84		

M-55b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 5, T. 25 S., R. 2 W., 240 feet southwest of M-55. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.94 below lsd, Oct. 2, 1958; lowest 13.17 below lsd, Oct. 1, 1959. Records available: 1958-60.

Feb. 1	9.03	May 2	7.43	Aug. 1	8.37	Nov. 1	8.22
Mar. 1	8.70	June 1	7.36	Sept. 1	7.96	Dec. 1	8.40
Apr. 1	7.65	July 1	6.94	30	7.85		

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 6.92 below lsd, Aug. 30, 1960; lowest 8.63 below lsd, Dec. 15, 1959. Records available: 1959-60. 1959:

Oct. 6	8.44	Oct. 30	8.28	Nov. 25	8.37	Dec. 15	8.63
10	8.33	Nov. 5	8.35	30	8.50	20	8.59
15	8.19	10	8.25	Dec. 5	8.58	25	8.54
20	8.15	15	8.30	10	8.54	30	8.57
25	8.12	20	8.37				

Water levels from recorder graph (1960)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.60	8.37	8.27	7.47	7.77	7.97	7.85	7.82	7.19	7.77	7.25	8.02
10	8.56	8.27	8.25	7.52	7.75	7.92	7.86	7.99	.....	7.90	7.39	7.93
15	8.58	8.18	8.05	7.57	7.85	7.48	7.35	8.09	7.15	7.71	7.52	7.84
20	8.51	8.13	7.79	7.53	7.96	7.56	7.48	8.12	7.38	7.65	7.67	7.95
25	8.45	8.20	7.60	7.70	8.10	7.51	7.44	7.46	7.51	7.70	.....	7.93
30	8.40	.....	7.55	7.87	7.96	7.71	7.60	6.92	7.65	7.39	.....	.....

28-1-2cb. Bill Vanderhoff. Driven domestic and stock well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{2}$  inches, depth 30 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 10.32 below lsd, July 18, 1960; lowest 11.20 below lsd, Apr. 29, 1959. Records available: 1959-60. Jan. 22, 11.05; Apr. 20, 10.73; July 18, 10.32; Oct. 20, 10.33.

28-1-36adc. George Lipke. Drilled irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth 58 feet. Measuring point, hole in south edge of pump, 1.20 feet above lsd. Highest water level 29.18 below lsd, Apr. 20, 1960; lowest 30.09 below lsd, July 23, 1959. Records available: 1959-60. Jan. 22, 29.37; Apr. 20, 29.18; July 18, 29.25; Oct. 20, 29.40.

## SEWARD COUNTY

15. (C) Cabot Carbon Co. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 21, T. 32 S., R. 33 W. Drilled domestic and stock water-table well in alluvium, diameter 5 inches, depth 53 feet. Measuring point, top of hole cut in steel disk, 0.20 foot above lsd. Highest water level 15.88 below lsd, May 3, 1944; lowest 19.60 below lsd, July 11, 1960. Records available: 1940-60. Jan 8, 18.18; Apr. 18, 18.03; July 11, 19.60; Dec. 7, 18.40.

31-34-17cb. (C) Carrie Young. Drilled stock water-table well in sand and gravel of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 131 feet. Measuring point, north side between plate and shaft of pump, 0.20 foot above lsd. Highest water level 113.05 below lsd, Oct. 25, 1951; lowest 122.92 below lsd, Aug. 14, 1958. Records available: 1950-60. Jan. 8, 121.68; Apr. 18, 121.89; July 11, 122.21; Sept. 21, 122.48; Dec. 7, 122.68.

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: 1956-60. Jan. 8, 178.48.

33-33-29dd. (C) Owner unknown. Drilled stock well in sand and gravel of Pleistocene age and Ogallala Formation, diameter 4 inches, depth 179 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 168.25 below lsd, Nov. 13, 1956; lowest 170.36 below lsd, Dec. 7, 1960. Records available: 1955-60. Jan. 8, 169.96; July 11, 170.11; Sept. 21, 170.31; Dec. 7, 170.36.

## SHAWNEE COUNTY

10-13-31baa. (C) Owner unknown. Drilled observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 13.02 below lsd, May 3, 1960; lowest 15.59 below lsd, July 31, 1959. Records available: 1959-60.

Date	Water level	Date	Water level	Date	Water level
May 1, 1959	13.91	Dec. 3, 1959	13.71	July 1, 1960	13.12
June 4	13.59	Jan. 6, 1960	13.93	30	14.04
July 6	13.67	Feb. 1	13.98	Sept. 1	13.10
31	15.59	Mar. 4	13.86	Oct. 3	13.10
Sept. 8	14.75	Apr. 4	13.34	28	13.12
Oct. 6	14.13	May 3	13.02	Dec. 1	13.34
Nov. 5	13.70	June 2	13.11		

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 of 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: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1958	31.77	Sept. 8, 1959	35.67	May 3, 1960	34.75
Jan. 6, 1959	32.77	Oct. 6	35.88	June 2	34.58
Feb. 2	34.48	Nov. 2	34.84	July 30	33.12
Mar. 2	35.10	Dec. 3	36.32	Sept. 1	35.61
Apr. 6	35.42	Jan. 6, 1960	35.75	Oct. 3	38.30
May 4	36.05	Feb. 1	35.61	28	35.99
June 1	35.82	Mar. 4	35.50	Dec. 1	35.01
July 31	36.04	Apr. 4	34.62		

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 30.78 below lsd, Mar. 4, 1960. Records available: 1958-60.

Oct. 10, 1958	28.04	Sept. 8, 1959	30.00	May 3, 1960	29.85
Jan. 6, 1959	28.45	Oct. 6	30.19	June 2	29.54
Feb. 2	29.04	Nov. 2	30.18	July 30	29.38
Mar. 2	29.46	Dec. 3	30.36	Sept. 1	29.72
Apr. 6	29.90	Jan. 6, 1960	30.51	Oct. 3	30.44
May 4	30.04	Feb. 1	30.71	28	30.64
June 1	28.04	Mar. 4	30.78	Dec. 1	30.73
July 31	29.55	Apr. 4	30.49		

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 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: 1958-60.

Dec. 1, 1958	29.93	Sept. 8, 1959	31.56	May 3, 1960	30.98
Jan. 6, 1959	30.56	Oct. 6	32.42	June 2	28.67
Feb. 2	31.26	Nov. 2	32.30	July 1	30.77
Mar. 2	31.55	Dec. 3	32.55	30	31.09
Apr. 6	32.10	Jan. 6, 1960	32.21	Sept. 1	32.64
May 4	32.37	Feb. 1	32.45	Oct. 3	33.35
June 1	30.36	Mar. 4	32.36	28	31.83
July 31	29.90	Apr. 4	31.85	Dec. 1	32.74

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 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: 1958-60.

Dec. 1, 1958	29.96	Sept. 8, 1959	31.81	May 3, 1960	30.96
Jan. 6, 1959	30.06	Oct. 6	32.34	June 2	30.39
Feb. 2	31.54	Nov. 2	31.96	July 1	31.90
Mar. 2	32.48	Dec. 3	32.29	30	32.19
Apr. 6	32.62	Jan. 6, 1960	31.85	Sept. 1	33.23
May 4	32.86	Feb. 1	32.43	Oct. 3	34.34
June 1	32.56	Mar. 4	31.60	28	31.51
July 31	31.90	Apr. 4	31.64	Dec. 1	33.22

11-15-13dbd. (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 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: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1958	27.61	Sept. 8, 1959	30.43	May 3, 1960	30.10
Jan. 6, 1959	29.62	Oct. 6	31.30	June 2	27.88
Feb. 2	30.11	Nov. 2	31.13	July 1	30.12
Mar. 2	30.98	Dec. 3	31.76	30	30.39
Apr. 6	31.20	Jan. 6, 1960	31.13	Sept. 1	31.69
May 4	31.72	Feb. 1	31.21	Oct. 3	32.40
June 1	30.91	Mar. 4	30.86	28	30.80
July 31	30.25	Apr. 4	30.96	Dec. 1	31.18

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: 1958-60.

Oct. 9, 1958	29.20	Sept. 8, 1959	31.25	May 3, 1960	30.78
Jan. 6, 1959	30.06	Oct. 6	31.77	June 2	29.89
Feb. 2	30.98	Nov. 2	31.72	July 1	30.69
Mar. 2	31.41	Dec. 3	31.99	30	30.82
Apr. 6	31.82	Jan. 6, 1960	31.68	Sept. 1	31.68
May 4	32.03	Feb. 1	32.14	Oct. 3	32.59
June 1	31.48	Mar. 4	32.08	28	32.24
July 31	30.75	Apr. 4	31.67	Dec. 1	32.13

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 33.44 below lsd, Dec. 1, 1960. Records available: 1933, 1959-60.

Dec. 16, 1933	29.30	Sept. 8, 1959	32.58	May 3, 1960	32.29
Jan. 6, 1959	30.82	Oct. 6	32.57	June 2	32.18
Feb. 2	31.44	Nov. 2	32.64	July 1	32.14
Mar. 2	31.81	Dec. 3	32.97	30	32.07
Apr. 6	32.18	Jan. 6, 1960	33.01	Sept. 1	32.05
May 4	32.44	Feb. 1	33.12	Oct. 3	33.08
June 1	32.15	Mar. 4	33.29	28	33.31
July 31	32.08	Apr. 4	32.78	Dec. 1	33.44

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 31.05 below lsd, Dec. 1, 1960. Records available: 1959-60.

Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1959	28.73	Oct. 6, 1959	29.62	June 2, 1960	29.80
Feb. 2	28.90	Nov. 2	30.08	July 1	29.71
Mar. 2	29.08	Dec. 3	30.36	30	30.17
Apr. 6	29.30	Jan. 6, 1960	30.66	Sept. 1	29.99
May 4	29.50	Feb. 1	30.85	Oct. 3	30.42
June 1	29.00	Mar. 4	30.95	28	30.70
July 31	28.93	Apr. 4	30.02	Dec. 1	31.05
Sept. 8	29.75	May 3	29.86		

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 28.38 below lsd, Mar. 4, 1960. Records available: 1958-60.

Oct. 10, 1958	24.80	Sept. 8, 1959	27.52	May 3, 1960	26.76
Jan. 6, 1959	26.22	Oct. 6	27.52	June 2	26.98
Feb. 2	26.61	Nov. 2	27.51	July 1	26.85
Mar. 2	26.95	Dec. 3	27.74	30	27.37
Apr. 6	27.20	Jan. 6, 1960	28.08	Sept. 1	27.28
May 4	27.37	Feb. 1	28.27	Oct. 3	27.66
June 1	26.93	Mar. 4	28.38	28	27.93
July 31	26.72	Apr. 4	27.69	Dec. 1	28.31

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: 1958-60.

Oct. 10, 1958	28.85	Sept. 8, 1959	27.51	May 3, 1960	27.42
Jan. 6, 1959	25.90	Oct. 6	27.55	June 2	27.27
Feb. 2	26.48	Nov. 2	27.64	July 1	27.07
Mar. 2	26.78	Dec. 3	27.84	30	27.22
Apr. 6	27.14	Jan. 6, 1960	28.08	Sept. 1	27.30
May 4	27.40	Feb. 1	28.18	Oct. 3	27.88
June 1	27.13	Mar. 4	28.34	28	28.20
July 31	26.92	Apr. 4	27.85	Dec. 1	28.39

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: 1950-60.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.79	25.98	26.03	25.05	24.35	24.47	24.37	24.95	25.04	25.52	25.88	26.08
10	25.81	26.01	26.00	24.71	24.82	24.53	24.42	25.07	25.13	25.59	25.92	26.13
15	25.85	26.03	26.03	24.53	24.28	24.47	24.54	25.18	25.20	25.64	25.94	26.15
20	25.90	26.04	26.04	24.44	24.30	24.35	24.64	25.19	25.30	25.72	25.99	26.19
25	25.93	26.02	25.94	24.88	24.83	24.30	24.72	24.97	25.38	25.76	26.02	26.22
30	25.96	.....	25.55	24.88	24.40	24.29	24.81	24.93	25.47	25.81	26.06	26.26

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: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1958	24.50	July 31, 1959	25.40	July 1, 1960	26.40
Feb. 2, 1959	25.41	Feb. 1, 1960	28.04	30	26.93
Mar. 2	25.65	Mar. 4	28.07	Sept. 1	26.95
Apr. 6	25.93	Apr. 4	27.51	Oct. 3	27.31
May 4	26.05	May 3	26.78	28	27.59
June 1	25.62	June 2	26.51	Dec. 1	26.96

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 pump, 0.50 foot above lsd. Highest water level 13.84 below lsd, May 3, July 1, 1960; lowest 16.98 below lsd, Jan. 6, 1960. Records available: 1958-60.

Dec. 1, 1958	15.35	Oct. 6, 1959	16.12	June 2, 1960	14.09
Jan. 6, 1959	15.73	Nov. 2	15.84	July 1	13.84
Feb. 2	15.76	Dec. 3	16.51	30	14.75
Mar. 2	15.80	Jan. 6, 1960	16.98	Sept. 1	15.50
Apr. 6	15.93	Feb. 1	16.58	Oct. 3	15.83
May 4	16.13	Mar. 4	16.27	28	16.20
June 1	14.60	Apr. 4	14.32	Dec. 1	16.61
Sept. 8	16.58	May 3	13.84		

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 24.71 below lsd, Jan. 6, 1960. Records available: 1958-60.

Dec. 1, 1958	23.14	Sept. 8, 1959	24.47	May 3, 1960	21.78
Jan. 6, 1959	23.32	Oct. 6	23.88	June 2	22.23
Feb. 2	23.60	Nov. 2	23.71	July 1	21.76
Mar. 2	23.47	Dec. 3	24.35	31	23.09
Apr. 6	23.68	Jan. 6, 1960	24.71	Sept. 1	23.63
May 4	24.20	Feb. 1	24.29	Oct. 3	23.78
June 1	22.33	Mar. 4	23.99	28	24.28
July 31	23.28	Apr. 4	21.95	Dec. 1	24.67

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 pump base, 0.80 foot above lsd. Highest water level 23.17 below lsd, Dec. 1, 1958; lowest 26.65 below lsd, Dec. 1, 1960. Records available: 1958-60.



Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1958	23.17	Sept. 8, 1959	25.81	May 3, 1960	25.38
Jan. 6, 1959	24.15	Oct. 6	26.13	June 2	24.94
Feb. 2	24.64	Nov. 2	26.10	July 30	24.98
Mar. 2	25.55	Dec. 3	26.32	Sept. 1	25.48
Apr. 6	25.95	Jan. 6, 1960	26.44	Oct. 3	26.26
May 4	26.19	Feb. 1	26.63	28	26.55
June 1	25.80	Mar. 4	26.58	Dec. 1	26.65
July 31	25.23	Apr. 4	26.33		

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 26.34 below lsd, Jan. 6, 1960. Records available: 1958-60.

Oct. 9, 1958	23.20	Sept. 8, 1959	25.57	May 3, 1960	24.25
Jan. 6, 1959	24.68	Oct. 6	25.68	June 2	24.16
Feb. 2	25.11	Nov. 2	25.53	July 1	23.98
Mar. 2	25.28	Dec. 3	25.96	30	24.30
Apr. 6	25.55	Jan. 6, 1960	26.34	Sept. 1	24.95
May 4	25.73	Feb. 1	26.21	Oct. 25	25.89
June 1	24.96	Mar. 4	26.03	Dec. 1	26.33
July 31	24.74	Apr. 4	25.37		

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 pump base, 0.60 foot above lsd. Highest water level 23.29 below lsd, Dec. 1, 1958; lowest 25.45 below lsd, Dec. 1, 1960. Records available: 1958-60.

Dec. 1, 1958	23.29	Sept. 8, 1959	24.60	May 3, 1960	23.82
Jan. 6, 1959	23.68	Oct. 6	24.85	June 2	23.46
Feb. 2	24.20	Nov. 2	24.80	July 1	23.35
Mar. 2	24.40	Dec. 3	25.08	30	23.55
Apr. 6	24.71	Jan. 6, 1960	25.39	Sept. 1	24.10
May 4	24.89	Feb. 1	25.39	Oct. 3	24.68
June 1	24.36	Mar. 4	25.30	28	25.13
July 31	23.85	Apr. 4	24.93	Dec. 1	25.45

11-15-24dbd. (9). (C) I. A. Brown. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 35 feet. Measuring point, top post edge of pipe, 3.20 feet above lsd. Highest water level 15.40 below lsd, Apr. 4, 1960; lowest 20.07 below lsd, Dec. 1, 1960. Records available: 1958-60.

Dec. 1, 1958	18.83	Sept. 8, 1959	19.65	May 3, 1960	16.60
Jan. 6, 1959	18.93	Oct. 6	18.46	June 2	17.17
Feb. 2	19.17	Nov. 2	19.00	July 1	16.47
Mar. 2	18.92	Dec. 3	19.81	30	18.02
Apr. 6	19.01	Jan. 6, 1960	20.04	Sept. 1	18.65
May 4	19.30	Feb. 1	19.48	Oct. 3	18.92
June 1	17.07	Mar. 4	18.91	28	19.62
July 31	18.42	Apr. 4	15.40	Dec. 1	20.07

11-16-5bc. (C) C. C. Busey. Dug unused water-table well in White Cloud Shale member of Scranton Shale, diameter 6 feet, depth 23 feet, cribbed with rock. Measuring point, top south edge of square hole in concrete platform, 0.10 foot above lsd. Highest water level 1.27 below lsd, Apr. 15, 1949; lowest 13.03 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. Measurement discontinued.

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 26.58 below lsd, Dec. 1, 1960. Records available: 1958-60.

Date	Water level	Date	Water level	Date	Water level
Oct. 10, 1958	24.10	Sept. 8, 1959	25.66	May 3, 1960	25.07
Jan. 6, 1959	24.65	Oct. 6	25.70	June 2	24.84
Feb. 2	25.01	Nov. 2	25.91	July 1	24.76
Mar. 2	25.32	Dec. 3	26.14	30	24.91
Apr. 6	25.61	Jan. 6, 1960	26.35	Sept. 1	25.15
May 4	25.80	Feb. 1	26.42	Oct. 3	25.88
June 1	25.52	Mar. 4	26.36	28	26.30
July 31	25.19	Apr. 4	25.86	Dec. 1	26.58

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 21.60 below lsd, Mar. 4, 1960. Records available: 1959-60.

Jan. 6, 1959	20.46	Oct. 7, 1959	20.90	June 2, 1960	19.91
Feb. 2	20.77	Nov. 2	20.95	July 1	19.86
Mar. 2	20.90	Dec. 3	21.21	30	20.14
Apr. 6	20.90	Jan. 6, 1960	21.46	Sept. 1	20.45
May 4	20.89	Feb. 1	21.59	Oct. 3	20.42
June 1	20.32	Mar. 4	21.60	28	21.05
July 31	20.25	Apr. 4	21.15	Dec. 1	21.36
Sept. 8	20.90	May 3	20.12		

#### SHERIDAN COUNTY

7-28-28dd. (C) Owner unknown. Drilled unused observation well in Ogallala Formation, diameter 6 inches, depth 118 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 108.19 below lsd, Nov. 22, 1954; lowest 108.78 below lsd, Apr. 12, 1960. Records available: 1952-60. Jan. 13, 108.67; Apr. 12, 108.78; July 15, 108.70; Oct. 14, 108.51.

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 46.64 below lsd, Apr. 12, 1960; lowest 49.03 below lsd, Nov. 26, 1956. Records available: 1952-60. Jan. 13, 47.48; Apr. 12, 46.64; July 15, 47.13; Oct. 14, 47.93.

8-28-33dc. (C) School district. Drilled unused well in Ogallala Formation, diameter 8 inches, depth 56 feet. Measuring point, top of casing, 0.90 foot above lsd. Highest water level 48.35 below lsd, Aug. 7, 1952; lowest dry,

Aug. 27, 1956. Records available: 1952-60. Apr. 12, 53.74; July 15, 54.53; Oct. 14, 55.32. Measurement discontinued.

## 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 180.87 below lsd, Apr. 20, 1960; lowest 183.34 below lsd, Oct. 13, 1960. Records available: 1959-60. Jan. 12, 181.46; Apr. 20, 180.87; July 15, 181.60; Oct. 13, 183.34.

8-39-19caa. (C) Wm. Hall (City of Goodland). Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 165 feet. Measuring point, top south side of casing, 0.40 foot above lsd. Highest water level 147.40 below lsd, Mar. 16, 1945 (erroneously reported in previous reports as 118.13); lowest 158.88 below lsd, Oct. 12, 1960. Records available: 1942-43, 1945, 1950-60 (previously reported as 1950-59.)

Date	Water level	Date	Water level	Date	Water level
July 21, 1942	148.83	Oct. 13, 1943	149.50	Sept. 6, 1945	149.70
Jan. 13, 1943	148.10	Nov. 1	149.90	Oct. 9	149.30
Mar. 4	148.30	Feb. 7, 1945	149.80	Apr. 24, 1951	150.22 <sup>a</sup>
Apr. 1	148.40	Mar. 16	147.40	Jan. 12, 1960	156.48
May 10	148.90	Apr. 18	148.40	Apr. 11	156.30
June 1	148.80	May 17	148.60	July 15	158.19
July 9	149.20	June 19	148.70	Oct. 12	158.88
Aug. 2	150.30	July 28	149.60	Dec. 15	158.59
Sept. 2	149.80				

8-40-24baa. (C) Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 164 feet. Measuring point, top west side of casing, 0.70 foot above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 141.28 below lsd, July 14, 1959. Records available: 1948-60. Jan. 12, 139.64; Apr. 11, 139.53; July 15, 139.70; Oct. 13, 139.98.

9-39-30cbb. (C) Charles Glenn. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 145 feet. Measuring point, top south side of casing, at land surface. Highest water level 117.99 below lsd, Jan. 20, 1953; lowest 118.90 below lsd, Apr. 14, 1949. Records available: 1948-60. Jan. 12, 118.60; Apr. 11, 118.53; July 15, 118.65; Oct. 12, 118.63.

## 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 24.70 below lsd, Oct. 20, 1960; lowest 37.62 below lsd, June 19, 1957. Records available: 1956-60.

<sup>a</sup> Erroneously reported in Water-Supply Paper 1193 as 118.13.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	26.95	May 17	27.70	July 11	25.80	Sept. 13	24.75
Apr. 12	27.48	June 14	27.63	Aug. 15	24.98	Oct. 20	24.70

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. June 15, 35.70; Oct. 20, 33.25.

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. June 13, 27.39; Oct. 20, 26.70.

4-15-31cb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 9.37 below lsd, Aug. 17, 1951; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-60.

Jan. 13	12.00	June 14	9.80	July 11	9.75	Sept. 13	10.15
May 17	10.36	June 15	9.96	Aug. 15	10.00	Oct. 20	10.43

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: 1956-60.

Jan. 13	18.05	June 14	18.20	July 25	17.98	Sept. 13	17.20
Apr. 11	18.43	July 12	18.20	Aug. 16	17.07	Oct. 20	17.78
May 17	18.38						

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 15.30 below lsd, Sept. 13, 1960; lowest 30.20 below lsd, May 14, 1957. Records available: 1956-60.

Jan. 13	16.86	June 14	16.30	July 25	16.07	Sept. 13	15.30
Apr. 11	16.62	July 12	16.10	Aug. 16	15.62	Oct. 20	15.62
May 17	16.60						

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: 1956-60.

Jan. 13	23.22	June 14	23.60	July 25	22.93	Sept. 13	20.04
Apr. 11	23.20	July 12	23.55	Aug. 16	19.80	Oct. 20	21.48
May 17	23.20						

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: 1956-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	4.88	June 14	4.75	July 25	4.70	Sept. 13	4.20
Apr. 11	4.85	July 12	4.70	Aug. 16	4.58	Oct. 20	4.30
May 17	4.80						

5-13-4dc. (MB) Roy Eller. Dug domestic and stock water-table well in alluvium, diameter 24 inches, depth 43 feet, cribbed with rock. Measuring point, west side of cement curb, 0.40 foot above lsd. Highest water level 10.78 below lsd, July 24, 1951; lowest 35.28 below lsd, Dec. 17, 1945. Records available: 1945-60. June 15, 13.76.

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: 1951-60.

Jan. 13	5.40	June 14	6.20	Aug. 16	6.10	Oct. 20	5.24
Apr. 17	5.33	July 13	6.15	Sept. 14	4.70	21	4.73
May 18	5.40						

5-13-34cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 35 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 9.70 below lsd, Aug. 17, 1951; lowest 24.23 below lsd, June 20, 1957. Records available: 1951-60.

Jan. 13	17.50	June 15	17.15	Aug. 17	16.50	Oct. 20	16.70
Apr. 13	17.36	July 13	16.55	Sept. 14	16.56	21	16.60
May 18	17.35						

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 17.75 below lsd, Sept. 14, 1960; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-60. Jan. 13, 20.00; June 15, 20.19; Aug. 17, 17.95; Sept. 14, 17.75; Oct. 20, 17.95; Oct. 21, 17.90.

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: 1951-60.

Jan. 13	22.60	May 18	22.06	July 13	21.30	Sept. 14	21.10
Apr. 17	22.10	June 14	21.70	Aug. 16	21.35	Oct. 21	20.67

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. Jan. 13, 19.00; June 13, 18.40; Oct. 20, 18.36.

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. Oct. 20, 30.05.

## 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 12.7 feet (erroneously reported previously as 63 feet). Sand point driven in well pit, measuring point, 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 (erroneously reported dry previously—only well pit dry). Records available: 1942-60.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	4.77	May 3	2.05	July 21	5.00	Nov. 21	5.47
Mar. 1	5.64	June 21	3.48	Oct. 19	5.81	Dec. 21	5.47
21	1.63						

22-13-29da. (C) Owner unknown. Drilled unused supply well for drilling oil well, in Ogallala Formation, diameter 1½ inches, depth 56 feet. Measuring point, top of casing, 5.50 feet above lsd. Highest water level 9.55 below lsd, Oct. 20, 1958; lowest 13.87 below lsd, Mar. 17, 1958. Records available: 1958-59. Measurement discontinued.

25-13-3bb. (C) M. L. Halley. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 4 inches, depth 33 feet. Sand point driven in well pit, measuring point, 0.80 foot above lsd. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-60.

Jan. 25	14.26	Apr. 20	13.04	July 18	12.37	Nov. 21	14.19
Mar. 3	14.09	May 20	11.84	Sept. 21	14.46	Dec. 21	14.49
22	14.03	June 21	11.48	Oct. 17	14.25		

## STANTON COUNTY

13. (C) Leah Carrithers. NE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 21, T. 27 S., R. 40 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 55 feet. Measuring point, at lower north edge of board, 1.00 foot above lsd. Highest water level 43.48 below lsd, Nov. 6, 1958; lowest 51.83 below lsd, Apr. 3, 1940. Records available: 1939-60. Feb. 25, 47.83; May 11, 48.13; Aug. 23, 48.03; Nov. 16, 48.20.

93. (C) Glenn Arnold. NE $\frac{1}{4}$  sec. 11, T. 29 S., R. 41 W. Drilled unused water-table well in Ogallala Formation, diameter 8 inches, depth 234 feet. Measuring point, top south edge of casing, 1.00 foot above lsd. Highest water

level 173.14 below lsd, Feb. 9, 1955; lowest 181.30 below lsd, Nov. 16, 1960. Records available: 1939-60. Feb. 25, 179.84; Aug. 23, 180.44; Nov. 16, 181.30.

146. (C) C. M. Harrison. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 27, T. 30 S., R. 43 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 55 feet. Measuring point, top of coupling, 1.00 foot above lsd. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest dry, Aug. 19, 1959, Aug. 23, Nov. 16, 1960. Records available: 1939-51, 1953-60. Feb. 25, 42.64; May 11, 42.46; Aug. 23, dry; Nov. 16, dry.

27-39-27bb. (C) M. P. Molz. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 379 feet. Measuring point, hole in east side steel pump base, 0.30 foot above lsd. Highest water level 78.41 below lsd, Jan. 30, 1959; lowest 107.70 below lsd, Aug. 19, 1959. Records available: 1958-60. Feb. 25, 80.40; Nov. 16, 85.48.

27-42-31cc. (C) Earl Anderson. Drilled irrigation water-table well in deposits of Pliocene age and Dakota and Cheyenne sandstones, diameter 16 inches, depth 400 feet. Measuring point, hole in east side steel pump base, 1.00 foot above lsd. Highest water level 190.33 below lsd, Feb. 25, 1960; lowest 191.50 below lsd, Nov. 16, 1960. Records available: 1958-60. Feb. 25, 190.33; May 11, 190.74; Nov. 16, 191.50.

28-39-14bbl. (C) Herb Campbell. Drilled unused artesian well in Ogallala Formation, diameter 16 inches, depth 419 feet. Measuring point, top east side casing, at land surface. Highest water level 84.10 below lsd, May 11, 1960; lowest 85.89 below lsd, Nov. 16, 1960. Records available: 1959-60. 1959: Oct. 27, 84.50. 1960: May 11, 84.10; Aug. 23, 85.60; Nov. 16, 85.89.

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 southeast side pump base, 0.50 foot above lsd. Highest water level 79.12 below lsd, May 28, 1958; lowest 99.57 below lsd, Nov. 6, 1958. Records available: 1958-60. Feb. 25, 81.75; Nov. 16, 96.97.

28-42-35ba. (C) Hal Hale. Drilled irrigation water-table well in deposits of Pliocene age, diameter 16 inches, depth 184 feet. Measuring point, hole in southeast side steel pump base, 0.50 foot above lsd. Highest water level 126.00 below lsd, Nov. 3, 1958; lowest 127.02 below lsd, Oct. 28, 1959. Records available: 1958-59. No measurement made in 1960.

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 pump base, 1.15 feet above lsd. Highest water level 45.72 below lsd, Dec. 4, 1958; lowest 53.96 below lsd, Nov. 16, 1960. Records available: 1958-60. 1958: Dec. 4, 45.72. 1959: Nov. 2, 50.65. 1960: Apr. 4, 46.95; Nov. 16, 53.96.

#### STEVENS COUNTY

31-36-2cd. (C) Mrs. Earl Clark. Drilled irrigation artesian well in deposits of Pliocene age, diameter 16 inches, depth 410 feet. Measuring point, lower edge of cut out on east side steel pump base, 1.00 foot above lsd. Highest water level 140.50 below lsd, Mar. 21, 1960; lowest 149.23 below lsd, Jan. 4, 1960. Records available: 1958-60. Jan. 4, 149.23; Mar. 21, 140.50.

31-37-22bc. (C) Walter Crotts. Drilled domestic well in Ogallala For-

mation, 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: 1956-60. Feb. 9, 124.49; May 10, 136.92; Aug. 22, 143.37; Nov. 9, 127.74.

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, 1953-60. Feb. 18, 120.29; May 10, 128.47; Aug. 22, 138.82; Nov. 9, 122.83.

33-38-20aa. (C) Forrest Farrar. Drilled domestic well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 118 feet. Measuring point, slit in steel plate over casing, 0.60 foot above lsd. Highest water level 79.50 below lsd, Aug. 14, 1959; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-60. Feb. 18, 82.64; Aug. 22, 82.33; Nov. 9, 82.30.

33-38-20dd. (C) John R. Slemph. 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 126.42 below lsd, Feb. 18, 1960; lowest 131.00 below lsd, Apr. 18, 1959. Records available: 1959-60. Feb. 18, 126.42; Nov. 9, 128.00.

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. No measurement made in 1960.

#### SUMNER COUNTY

1. (C) Fred Kersey. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 5, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 8.61 below lsd, June 6, 1957; lowest 14.47 below lsd, Dec. 18, 1956. Records available: 1954-60. Nov. 30, 10.50.

2. (C) Owner unknown. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 6, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 13.27 below lsd, Apr. 2, 1958; lowest 23.14 below lsd, Mar. 19, 1957. Records available: 1954-58. Measurement discontinued.

3. (C) M. C. Parker. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 10.19 below lsd, Apr. 2, 1958; lowest 20.57 below lsd, Mar. 19, 1957. Records available: 1954-58. Measurement discontinued.

4. (C) M. C. Parker. SW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 10.64 below lsd, Apr. 2, 1958; lowest 23.87 below lsd, Mar. 19, 1957. Records available: 1954-58. Measurement discontinued.

5. (C) G. A. Blair. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth



44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 9.15 below lsd, June 6, 1957; lowest 19.08 below lsd, Dec. 18, 1956. Records available: 1954-58. Measurement discontinued.

6. (C) G. A. Blair. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 4.90 below lsd, June 6, 1957; lowest 15.25 below lsd, Dec. 18, 1956. Records available: 1954-58. Measurement discontinued.

7. (C) G. A. Blair. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.17 below lsd, June 6, 1957; lowest 18.17 below lsd. Dec. 18, 1956. Records available: 1954-58. Measurement discontinued.

8. (C) G. A. Blair. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 6.93 below lsd, June 6, 1957; lowest 21.03 below lsd, Dec. 18, 1956. Records available: 1954-58. Measurement discontinued.

9. (C) M. C. Parker. SW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.87 below lsd, Apr. 2, 1958; lowest 19.92 below lsd, Mar. 19, 1957. Records available: 1954-58. Measurement discontinued.

12. (C) Fred Kersey. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 8, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 12.03 below lsd, Apr. 2, 1958; lowest 19.62 below lsd, Mar. 19, 1957. Records available: 1954-58. Measurement discontinued.

13. (C) M. C. Parker. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 8.10 below lsd, Apr. 2, 1958; lowest 14.64 below lsd, Mar. 19, 1957. Records available: 1954-60. Nov. 30, 12.10.

14. (C) M. C. Parker. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.90 below lsd, Apr. 2, 1958; lowest 11.60 below lsd, Mar. 19, 1957. Records available: 1954-60. Nov. 30, 6.20.

15. (C) M. C. Parker. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 5.52 below lsd, June 6, 1957; lowest 18.08 below lsd, Dec. 18, 1956. Records available: 1954-58. Measurement discontinued.

18. (C) Fred Kersey. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 17, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 8.73 below lsd, June 6, 1957; lowest 13.63 below lsd, Sept. 13, 1956. Records available: 1954-57, 1959. Measurement discontinued.

19. (C) Thomas Graber. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 17, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.65 below lsd, June 6, 1957; lowest 12.18 below lsd, Sept. 13, 1956. Records available: 1954-60. Nov. 30, 9.50.

21. (C) Wm. Van Warmer. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 21, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.55 below lsd, Apr. 2, 1958; lowest 6.70 below lsd, Mar. 19, 1957. Records available: 1954-60. Nov. 30, 2.70.

22. (C) Everett Howard. NE $\frac{1}{4}$  NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 27, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 17.13 below lsd, Apr. 2, 1958; lowest 19.56 below lsd, Mar. 19, 1957. Records available: 1954-58. Measurement discontinued.

23. (C) H. E. Zolter. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.44 below lsd, Apr. 2, 1958; lowest 11.57 below lsd, Sept. 13, Dec. 19, 1956. Records available: 1954-60. Nov. 30, 8.90.

24. (C) M. Carl. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.17 below lsd, June 6, 1957; lowest 14.83 below lsd, Dec. 19, 1956. Records available: 1954-60. Nov. 30, 11.30.

25. (C) Harold Martin. NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 30 S., R. 1 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 9.60 below lsd, Nov. 30, 1960; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-60. Nov. 30, 9.60.

#### 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: 1942-60. Jan. 13, 124.35; Apr. 12, 124.19; July 15, 125.00; Oct. 14, 126.83.

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 118.83 below lsd, July 29, 1956. Records available: 1942-60. Jan. 13, 109.76; Apr. 12, 109.52; July 15, 109.56; Oct. 14, 109.64.

33. (C) Arch Ball. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 137 feet. Measuring point, top south edge of cylinder in motor block, 1.60 feet above lsd. Highest water level 114.24 below lsd, Oct. 25, 1954; lowest 121.30

below lsd, Apr. 14, 1949. Records available: 1942-52, 1954, 1956-60. Jan. 13, 115.22; Apr. 12, 115.20; July 15, 115.06; Oct. 14, 115.26.

8-34-1ba. (Erroneously reported in previous records as 8-34-2aa). (C) U.S.D.A. and Kansas Agricultural Experiment Station. Drilled unused water-table well in Ogallala Formation, depth 160 feet. Measuring point, top of casing, 0.27 foot above lsd (reported previously as 2.10 feet above lsd). Highest water level 112.31 below lsd, May 27, 1954; lowest (prior to 1959 was 114.65 below lsd, Jan. 27, 1949) 114.67 below lsd, Oct. 13, 1959. Records available: 1947-60. Jan. 6, 1955 measurement should be 113.50 (not 115.60 as reported). May 11, 1956 measurement should be corrected to read July 11, 1956, 114.22. Other corrected 1956-59 measurements are listed below.

Date	Water level	Date	Water level	Date	Water level
Oct. 6, 1956	114.45	Jan. 7, 1958	114.16	Apr. 15, 1959	113.66
Jan. 9, 1957	114.41	Apr. 16	113.76		17
Apr. 24	114.64	July 16	113.62	July 15	113.70
July 10	114.43	Oct. 17	113.86	Oct. 13	114.67
Oct. 5	114.42	Jan. 16, 1959	114.04		

#### Water levels from recorder graph (1960)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	114.59	114.41	.....	113.87	113.72	113.55	113.39	113.81	114.15	114.15	114.05	.....
10	114.58	114.47	.....	113.87	113.67	113.50	113.34	113.88	114.21	114.15	113.96	.....
15	114.54	.....	.....	113.92	113.65	113.45	113.33	113.80	114.27	114.23	114.04	114.18
20	114.52	.....	.....	113.90	113.60	113.42	113.44	113.99	114.15	114.14	.....	114.08
25	114.46	.....	113.88	113.82	113.64	113.39	113.59	114.06	114.17	114.17	.....	114.00
30	114.42	.....	113.86	113.78	113.54	113.42	113.72	114.01	114.10	114.11	.....	113.86

#### TREGO COUNTY

14-21-33bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.90 below lsd, Aug. 3, 1950; lowest 18.74 below lsd, June 8, 1956. Records available: 1950-60. June 13, 13.98; Dec. 5, 14.02.

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. Oct. 29, 1949, measurement 71.86 erroneously omitted from previous published records. 1960: June 13, 20.10; Dec. 5, 21.45.

14-22-36aa. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 74 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 26.82 below lsd, Dec. 5, 1960; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-60. June 13, 26.88; Dec. 5, 26.82.

#### WALLACE COUNTY

12-40-14bba. (C) W. P. Kirkham. Drilled unused water-table well in

Ogallala Formation, diameter 6 inches, depth 22 feet. Measuring point, top north side of casing under tin cover, 1.60 feet above lsd. Highest water level 19.72 below lsd, July 20, 1949; lowest 21.84 below lsd, Oct. 25, 1954. Records available: 1948-60. Jan. 12, 20.47; Apr. 11, 20.55; July 14, 20.80; Oct. 12, 20.88.

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 87.63 below lsd, Dec. 8, 1959. Records available: 1958-60. Mar. 28, 87.34; June 8, 87.09; Sept. 28, 87.43; Dec. 13, 87.57.

#### 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, 1953-60. Mar. 28, 113.10; June 8, 113.22; Dec. 12, 124.10.

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, 1953-60. Mar. 28, 82.22; June 8, 82.06; Sept. 28, 83.71; Dec. 12, 83.81.

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: 1959-60. Mar. 28, 98.58; Sept. 28, 114.40; Dec. 12, 104.00.

18-35-14dc. (C) A. H. Conrady. Drilled irrigation water-table well in Ogallala Formation, diameter 16 inches, depth 150 feet. Measuring point, hole in north side pump base, 0.40 foot above lsd. Highest water level 79.74 below lsd, Apr. 11, 1951; lowest 94.68 below lsd, Sept. 18, 1959. Records available: 1951, 1958-60. Mar. 28, 84.40; June 14, 86.54; Sept. 28, 89.07; Dec. 12, 92.60.

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: 1947-60. Mar. 28, 94.09; Sept. 28, 94.00; Dec. 13, 93.95.

#### 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 1960.

#### WYANDOTTE COUNTY

101. (C) U.S.G.S. NW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 98 feet. Measuring point, top of casing, 1.60 feet above lsd. Highest water level 25.02 below lsd, July 11, 1945; lowest 44.55 below lsd, Dec. 31, 1948. Records available: 1944-48, 1950-57. No measurement made in 1960.

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