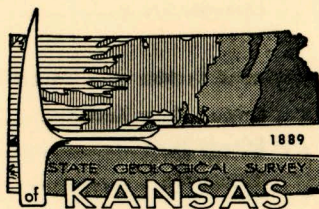


# Ground-Water Levels in Observation Wells in Kansas, 1964

By Margaret E. Broeker  
and John D. Winslow

STATE  
GEOLOGICAL  
SURVEY  
OF  
KANSAS  
  
BULLETIN 177



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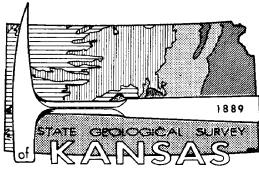
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**BULLETIN 177**

# **Ground-Water Levels in Observation Wells in Kansas, 1964**

By Margaret E. Broeker  
and John D. Winslow

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 Environmental Health Services of the Kansas State Department of Health, and the City of Wichita, and integrated with the program of the Interior Department for development of the Missouri River Basin.

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# Ground-Water Levels in Observation Wells in Kansas, 1964

## ABSTRACT

Measurements of water levels in 866 wells in 75 counties in Kansas during 1964 are given in this report, the ninth in a series of annual water-level reports published by the State Geological Survey of Kansas. Ground-water levels, in general, had a net decline for the year as the result of below-normal precipitation over most of the State. Extensive use of ground water for irrigation accelerated the decline of ground-water levels in parts of western Kansas.

## INTRODUCTION

In 1957 the first of a series of annual reports, containing records of observation wells in Kansas in 1956, was published as Bulletin 125 of the State Geological Survey of Kansas. The present report is the ninth in this series and contains the water-level measurements of 866 wells made during 1964. The bulletin numbers of the eight earlier reports are:

Year	Bulletin no.	Year	Bulletin no.
1956	125	1960	153
1957	131	1961	159
1958	141	1962	167
1959	146	1963	173

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 are to be published in 5-year increments by the U.S. Geological Survey.

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
1955	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
		1957-61	1781

The objectives of the observation-well program are to provide long-term continuous records of fluctuations of water levels in representative wells, 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, and to provide information for use in basic research. These selected records serve as a framework to which many short-term records collected during an intensive investigation may be related.

The water level may be influenced by direct recharge from precipitation, withdrawals from wells, transpiration by vegetation, evaporation from the soil, changes in atmospheric pressure, and discharge to streams or other surface-water bodies.

## ACKNOWLEDGMENTS

Measurements of water levels by the Division of Water Resources were made in southwestern Kansas by D. D. Jacob, in south-central Kansas by F. J. Ellyson, in northwestern and north-central Kansas by H. C. Bennett and P. E. Ballinger, and in eastern Kansas by Don Schmanke and D. L. TenEyck. The measurements for two wells in the Anthony well field were submitted by D. E. Bewley. Measurements of the water levels in wells in the Almena, Bostwick, and St. Francis Units of the Missouri Basin Program were made by the Bureau of Reclamation under the direction of G. C. Lynn, Chief, Irrigation Operations Branch. The other wells were measured by members of the Federal and State Geological Surveys.

## COOPERATIVE GROUND-WATER PROGRAM

The measurement of water levels in selected wells for the observation-well program in Kansas is carried out as a part of a cooperative ground-water program by federal and state agencies. The cooperative investigation of the ground-water resources of Kansas was begun in 1937 and is presently conducted by the U.S. Geological Survey, the State Geological Survey of Kansas, the Environmental Health Services of the Kansas State Department of Health, and the Division of Water Resources of the Kansas State Board of Agriculture. The City of Wichita cooperates 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:

U.S. Geological Survey	
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Ground-Water Branch	
Acting Chief .....	J. T. Callahan
Area Hydrologist .....	S. K. Jackson
District Geologist .....	R. J. Dingman
State Geological Survey of Kansas	
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Chief Engineer .....	R. V. Smrha
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Southwestern Kansas .....	H. C. Corrigan
City of Wichita, Water-Supply Division	
Director .....	R. H. Hess
Hydrologist .....	G. J. Stramel
Superintendent of well field .....	S. A. Smith

Reports of the cooperative ground-water investigations in Kansas have been published as bulletins of the State Geological Survey. Since the program was started in 1937, investigations have been conducted in all or parts of 87 counties (Fig. 1). In 1964 the reports describing the geohydrology of Grant and Stanton counties (Fader, Gutentag, Lobmeyer, and Meyer, 1964) and water-level changes in Grant and Stanton counties, 1939-64 (Winslow, Nuzman, and Fader, 1964) were published.

The nomenclature and classification of the geologic units described in this report are those of the State Geological Survey of Kansas. They differ somewhat from the usage adopted by the U.S. Geological Survey.

## SCOPE OF WATER-LEVEL PROGRAM

At the beginning of 1964 the water levels in 822 wells were being observed. During the year 44 wells were added to the observation-well network and measurements were discontinued in 27 wells. By the end of 1964 there were 839 wells in 75 counties being measured. Partial records are included for the 27 wells dropped from the program during the year. Nine wells were equipped with continuous water-level recorders; some wells were observed weekly, some monthly, some quarterly, and some annually. The distribution of the wells by counties is given in Table 2 and is shown in Figure 2.

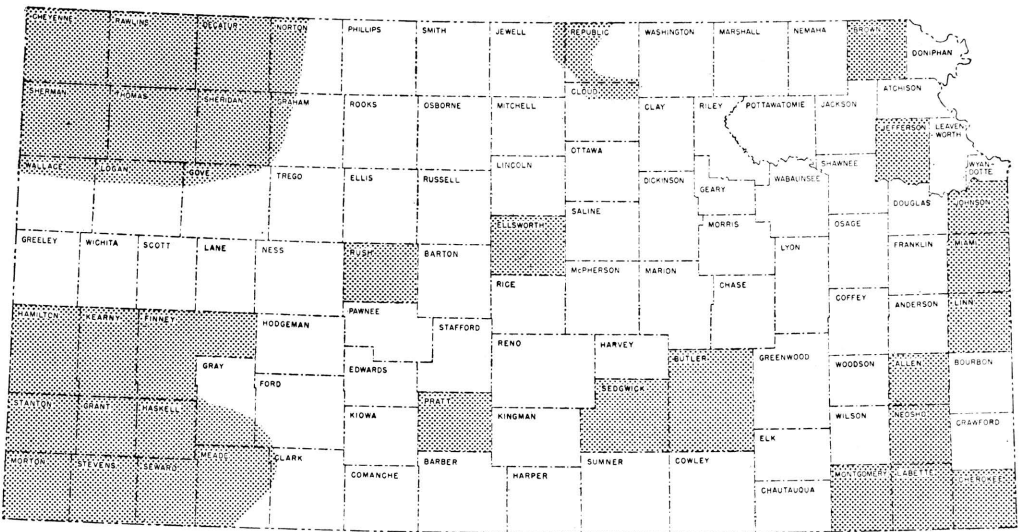
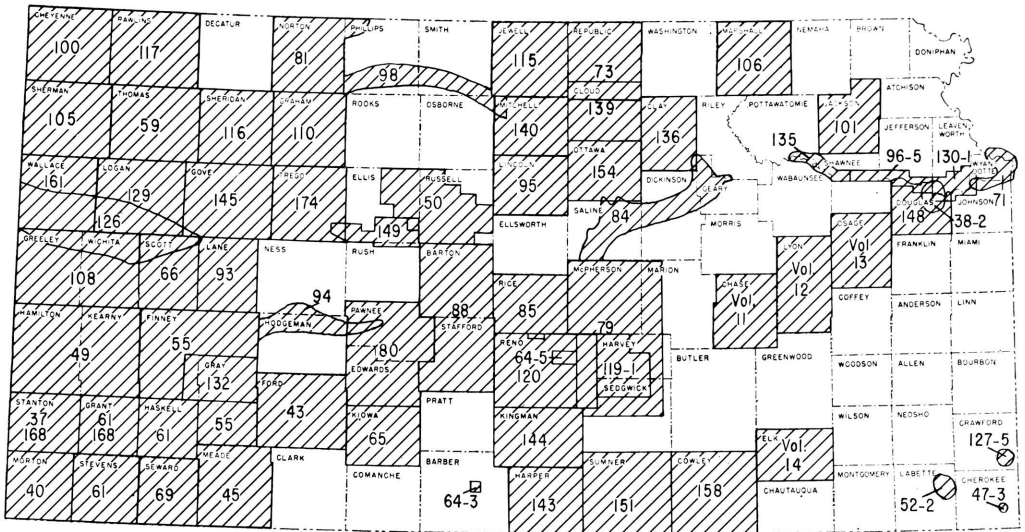
In 1946 an observation-well program was started as a part of the program of the Department of the Interior for the development of the Missouri Basin. These wells are in valley areas that were proposed, or were being developed, as irrigation projects by the Bureau of Reclamation. The water-level measurements made on these wells during 1964 are included in this report. The areas included in the Missouri Basin Program are given in Table 3.

**WELL-NUMBERING SYSTEM**

In this report most of the wells are numbered either serially within counties or in accordance with the Bureau of Land Management's system of land subdivision. In the location system the first set of digits of a well number indicates the township (Fig. 2), the second set, the range east or west of the Sixth Principal Meridian, and the third set, the section in which the well is situated. The first letter denotes the 160-acre tract, the second, the 40-acre tract, and the third, the 10-acre tract. Thus, in Sedgewick County, the num-

ber 26-2-22aba indicates that the well is in the NE NW NE sec. 22, T 26 S, R 2 W (Fig. 3).

The letters (MB) following the well number indicate that the well is measured as part of the Missouri Basin development program of the Department of Interior and that records previous to 1956, if any, were released annually in a series of mimeographed 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.



Report published or in print (number). Investigation in progress.

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

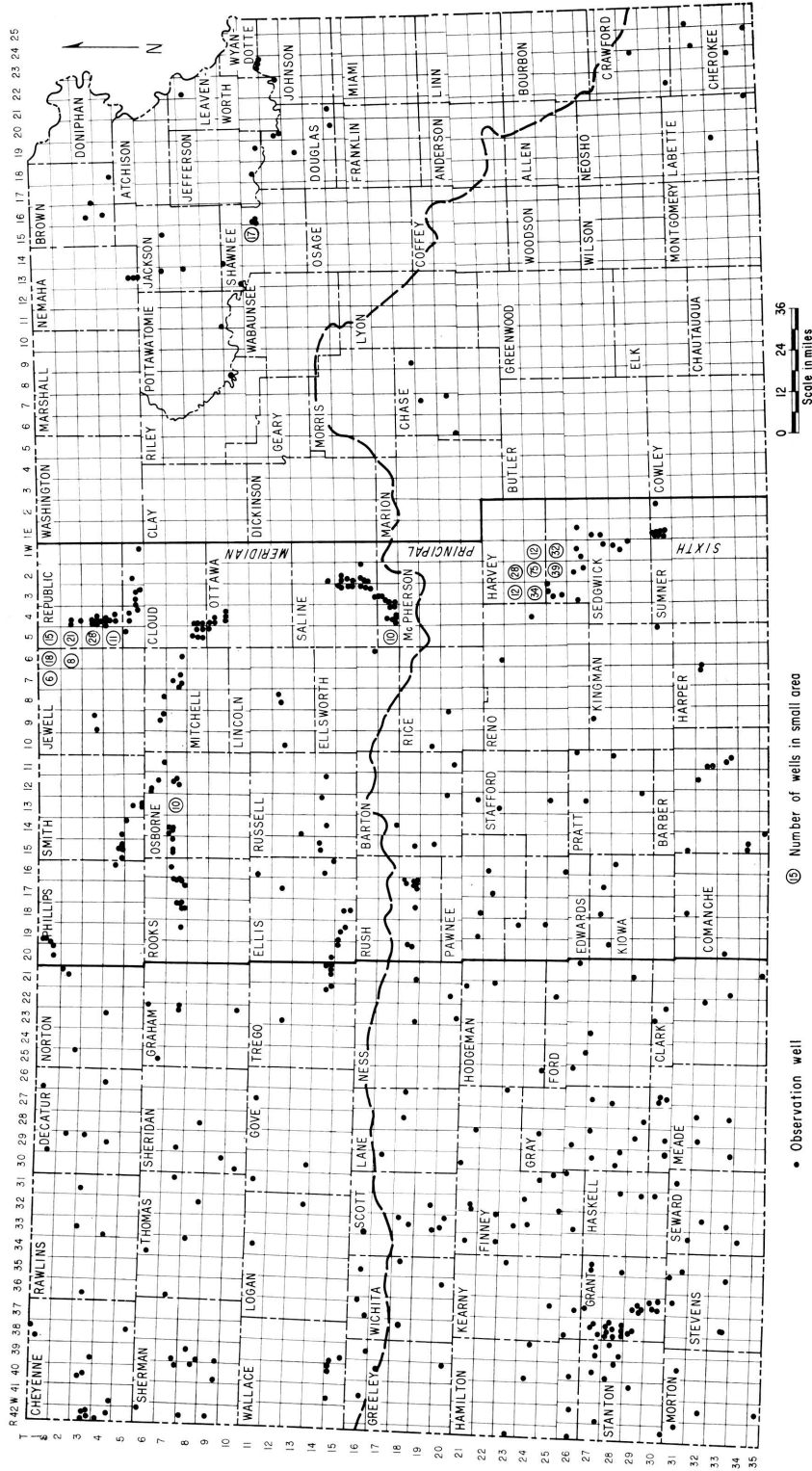


FIGURE 2.—Observation wells in Kansas, December 31, 1964. Dashed line indicates boundary between the Missouri Basin (to the north) and the Arkansas Basin. Solid lines show boundaries between western, central, and eastern Kansas.

TABLE 2.—Observation wells in Kansas at the end of 1964.

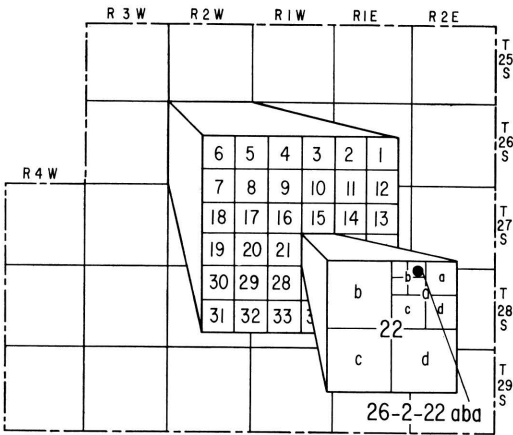
County	Missouri Basin no.	Arkansas Basin no.	Observer*	County	Missouri Basin no.	Arkansas Basin no.	Observer*
Barber	....	9	KSBA	Logan	2	....	KSBA
Barton	....	5	KSBA	McPherson	22	....	GS
Brown	4	....	GS	Meade	....	9	KSBA
Chase	....	4	GS	Mitchell	8	....	GS
Cherokee	....	4	GS	Morton	....	4	KSBA
Cheyenne	13	....	BR & KSBA	Nemaha	3	....	GS
Clark	....	5	KSBA	Ness	....	4	KSBA
Cloud	18	....	BR & GS	Norton	4	....	BR & KSBA
Comanche	....	2	KSBA	Osborne	24	....	GS
Crawford	1	1	GS	Ottawa	7	....	GS & BR
Decatur	6	....	KSBA	Pawnee	....	4	KSBA
Douglas	5	....	GS	Phillips	6	....	BR
Edwards	....	3	KSBA	Pottawatomie	2	....	KSBA
Ellis	11	....	GS & KSBA	Pratt	....	4	KSBA
Ellsworth	1	....	GS	Rawlins	4	....	KSBA
Finney	....	16	KSBA	Reno	....	2	KSBA & W
Ford	....	6	KSBA	Republic	90	....	BR
Gove	3	....	KSBA	Rice	....	2	KSBA
Graham	5	....	KSBA	Rooks	12	....	KSBA
Grant	....	26	GS & KSBA	Rush	....	10	KSBA
Gray	....	10	KSBA	Russell	6	....	KSBA
Greeley	3	1	KSBA	Saline	17	....	GS
Hamilton	....	6	KSBA	Scott	....	7	KSBA
Harper	....	2	A	Sedgwick	....	87	KSBA & W
Harvey	....	161	KSBA & W	Seward	....	5	KSBA
Haskell	....	3	KSBA	Shawnee	22	....	KSBA
Hodgeman	....	3	KSBA	Sheridan	4	....	KSBA
Jackson	3	....	GS	Sherman	10	....	KSBA
Jefferson	2	....	GS	Smith	9	....	BR
Jewell	34	....	BR & GS	Stafford	....	3	KSBA
Johnson	4	....	GS	Stanton	....	10	KSBA
Kearny	....	4	KSBA	Stevens	....	6	KSBA
Kingman	....	2	KSBA	Sumner	....	8	GS
Kiowa	....	4	KSBA	Thomas	5	....	KSBA
Labette	....	2	GS	Trego	7	....	GS & BR
Lane	....	3	KSBA	Wallace	5	....	KSBA
Leavenworth	1	....	GS	Wichita	3	3	KSBA
Lincoln	3	....	GS	Total	389	450	

\* GS, Federal and State Geological Surveys; KSBA, Division of Water Resources, Kansas State Board of Agriculture; BR, Bureau of Reclamation; A, D. E. Bewley, Anthony, Kansas; W, City of Wichita.

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

Unit	Valley	County	Number of wells being measured at end of 1964
Almena	Prairie Dog Creek	Norton, Phillips	2
Bostwick	Republican River	Jewell, Republic, Cloud	127
Cedar Bluff	Smoky Hill River	Ellis, Trego	14
Glen Elder	Solomon River	Mitchell	8
Kanopolis	Smoky Hill River	Saline, McPherson, Ellsworth	40
Kirwin	North Fork Solomon River	Smith, Phillips, Osborne	20
Webster	South Fork Solomon River	Osborne	32
Wilson	Saline River	Lincoln	3
St. Francis	South Fork Republican River	Cheyenne	13
		Total	259





Section 22, Township 26 South, Range 2 West, showing the method of dividing sections into quarter sections, quarter-quarter sections, and quarter-quarter-quarter sections.

FIGURE 3.—Sketch of Cloud County, Kansas, illustrating well-numbering system based on land-classification system.

The prefix “M” in the number of some wells in Harvey and Sedgwick counties indicates public-supply wells of the City of Wichita, and the suffix “r” indicates a replacement for the original municipal well of that number. The suffix letter “b” designates a shallow observation well near the municipal well of the same number; the 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 both shallow and deep observation wells, they are adjacent to each other.

**PRECIPITATION**

Information pertaining to precipitation was obtained from the U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1964 (U.S. Department of Commerce, 1965). Annual precipitation in the State ranged from 46.61 inches at Paola in Miami County to 9.29 inches at Johnson in Stanton County.

Precipitation in Kansas during 1964 is summarized in Figures 4, 5, and 6. Figure 4 shows the monthly precipitation and normal precipitation at Goodland in western Kansas, at Concordia in central Kansas, and at Lawrence in eastern Kansas. The normal precipitation and the departure from normal in the nine Weather Bureau divisions of the State (Fig. 5), as given by the Weather Bureau in the Annual Summary, Climatological Data, 1964, are:

Division	Precipitation 1964	Normal precipitation, inches	Departure from normal, inches
Northwest	14.28	19.54	—5.26
North-central	20.41	25.28	—4.87
Northeast	32.89	33.22	—0.33
West-central	15.57	19.17	—3.60
Central	25.05	26.11	—1.06
East-central	37.93	35.53	+2.40
Southwest	14.87	17.78	—2.91
South-central	25.53	25.89	—0.36
Southeast	36.28	36.80	—0.52

The average precipitation was below normal in all divisions except for east-central Kansas. Precipitation ranged from 2.40 inches above normal in the east-central division to 5.26 inches below normal in the northwest division.

Figure 6 shows the annual precipitation and the cumulative departure from normal precipitation at Goodland, Concordia, and Lawrence for the 34-year period 1931-1964. Since 1931 precipitation at each of these places has averaged above normal. Normal precipitation at Goodland and Lawrence was taken as 16.50 inches and 34.57 inches, respectively, for the period of

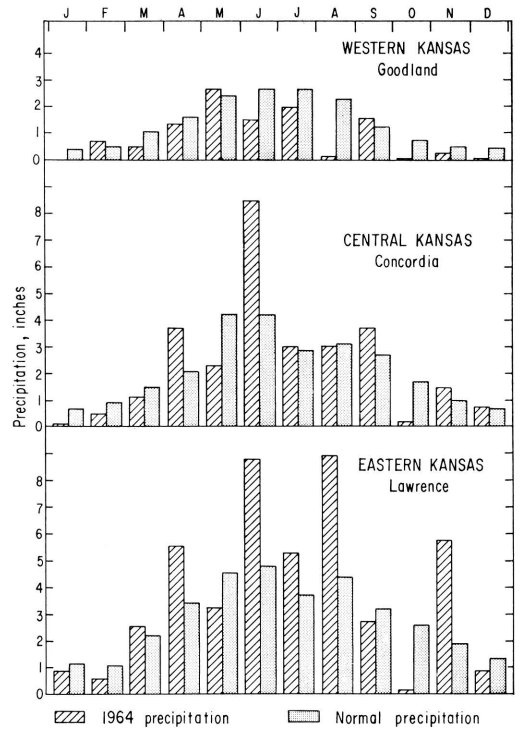


FIGURE 4.—Monthly precipitation during 1964 and normal monthly precipitation at Goodland, Concordia, and Lawrence, Kansas. Data from U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1964 (U.S. Department of Commerce, 1965).

records 1931-1960. Normal precipitation at Concordia was 25.39 for the period of record 1921-1950.

### CHANGES IN WATER LEVELS

The water level in wells is not stationary but fluctuates up and down, depending upon the rate of discharge and the rate of replenishment of the ground-water reservoir. Under natural conditions, over a long period of time, an approximate equilibrium exists between the amount of water that is added to ground-water storage and the amount that is discharged. The water level rises when the amount of recharge exceeds the amount of discharge, and declines when the discharge exceeds the recharge. Thus, changes of the water level 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 direct evaporation and transpiration by plants, and, during times of precipitation, soil moisture must be replenished to field capacity before water can start to descend to the water table. During 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.

The factors causing the decline of the water level in wells include (1) the quantity of water pumped from wells, (2) the quantity of water transpired by plants in shallow water-table areas, (3) the quantity lost from the ground-water reservoir by evaporation in shallow water-table areas, and (4) the quantity discharged as effluent seepage into the streams.

Water levels in artesian wells are influenced over large areas by changes in the rate of pumping from other wells in the artesian aquifer, changes in atmospheric pressure, earthquakes, earth tides, and recharge from precipitation.

### WESTERN KANSAS

Nearly all municipal water supplies in western Kansas are obtained from ground-water sources. Also, large quantities of water are pumped for irrigation. Average annual recharge in much of the area is low, but varies in response to a number of factors. The recharge ranges from a high of 4 inches per year in small areas of favorable surface geology and during periods of above-normal rainfall to nearly zero in areas of tight soil and during periods of drought. The highest rate of recharge is believed to occur in the sand-hill areas south of the major streams. Most of this recharge occurs during years of

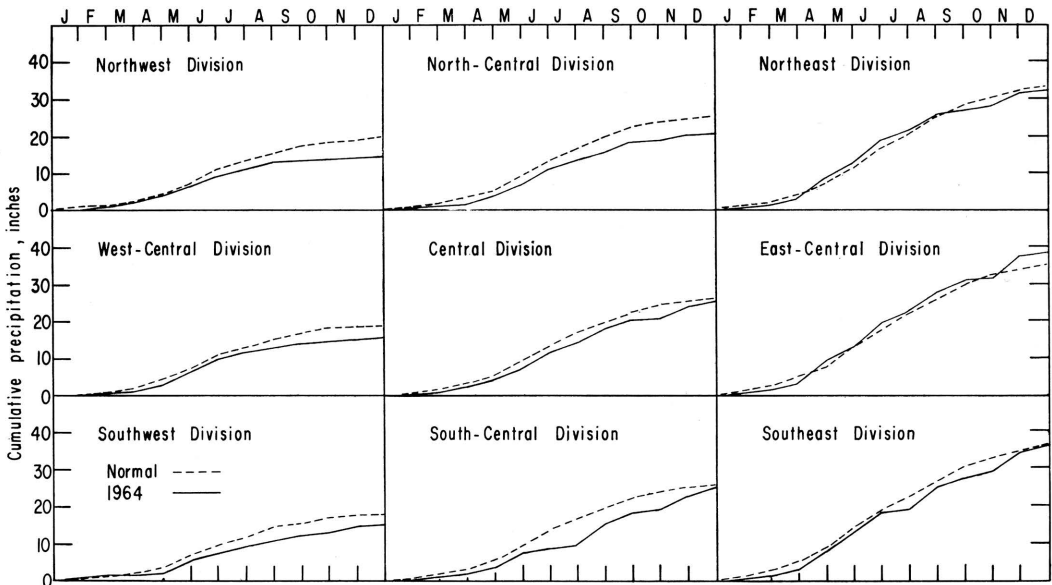


FIGURE 5.—Cumulative normal precipitation and cumulative precipitation for 1964 in nine divisions of Kansas. Data from U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1964 (U.S. Department of Commerce, 1965).

heavy precipitation. The changes in water levels in western Kansas are shown by the hydrographs of 13 wells (Fig. 7 and 8). The changes in water levels in selected observation wells at approximately 5-year intervals are shown for 9 counties in southwestern Kansas (Fig. 9, 10, and 11).

The precipitation was below normal in western Kansas during 1964, and the water level declined in most wells. The decline in parts of the area was largely in response to pumping of ground water for irrigation (Winslow, Nuzman, and Fader, 1964). Water levels generally contin-

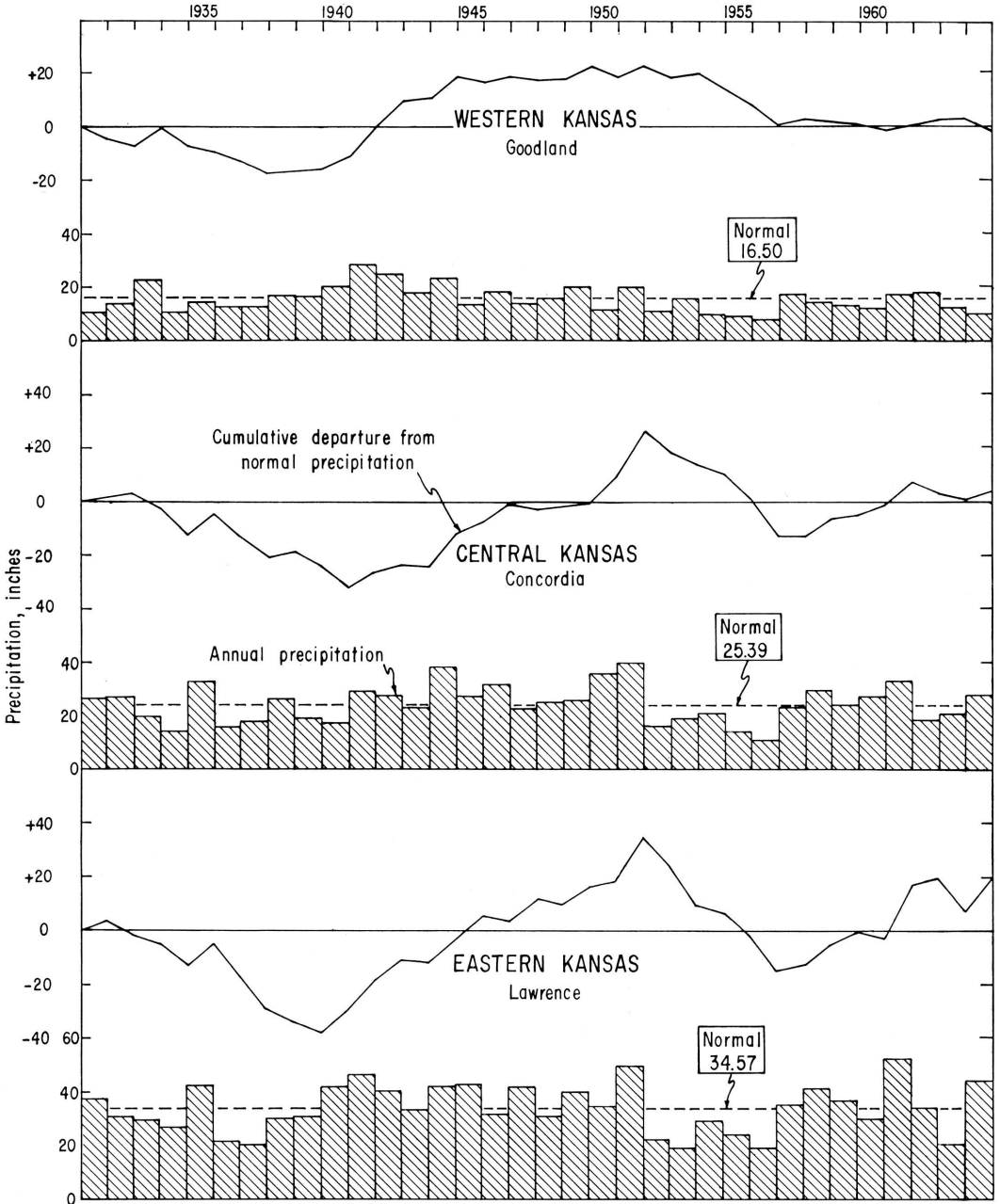


FIGURE 6.—Annual precipitation and cumulative departure from normal precipitation for the period 1931 through 1964 at Goodland, Concordia, and Lawrence, Kansas. (Normals are for the base period 1931-60.) Data from U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1964 (U.S. Department of Commerce, 1965).

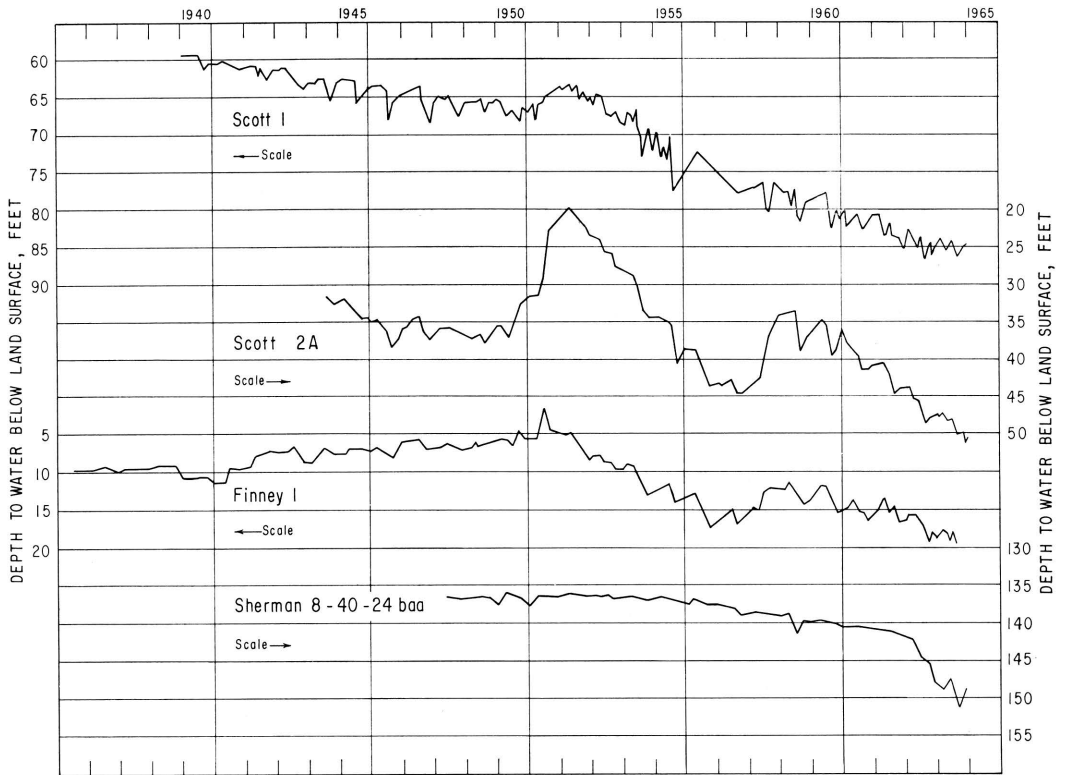


FIGURE 7.—Hydrographs of four wells in Finney, Scott, and Sherman counties, Kansas.

ued to follow the declining trend of water levels in recent years in 10 of the 13 wells for which hydrographs are shown in Figures 7 and 8. No water-level measurement was made in well 117 in Morton County in 1964 as the well was pumping when visited.

CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figure 12, which includes hydrographs of one well in Barton County, one in Mitchell County, two in Sedgwick County, and three in Harvey County. Well 307 in Sedgwick County and the three wells in Harvey County are in the Wichita well-field area.

The water level declined in most of central Kansas during 1964. The water level in well 6-9-27ab in Mitchell County had a net decline of 2.3 feet. The water level in the well in Barton County, for which the hydrograph is shown in Figure 12, had a net decline of about 0.7 foot. The net annual change of water level in well 12 in Sedgwick was insignificant.

Pumping for municipal supply in the *Equus-*beds area was begun in 1940 by the City of

Wichita. The decline of the water level in the vicinity of the Wichita well field has been caused by two factors: pumping by the City of Wichita, and pumping of the many irrigation wells drilled in recent years. The net decline of water level in the area between August 30, 1940, and December 31, 1964, is shown in Figure 13. The total area affected by the municipal pumping at the end of 1964 was about 100 square miles. The water declined more than 10 feet in an area of 41 square miles, and more than 20 feet in an area of 5.5 square miles. The maximum decline was about 26 feet. The areal decline of the water table from 1940 through 1964 is shown graphically in Figure 14.

EASTERN KANSAS

Changes in ground-water levels in eastern Kansas are represented in Figure 15 by the hydrograph of one well in Douglas County and one well in Shawnee County. The decline of water levels in the two wells during 1962 and 1963 reflects the amount of annual precipitation in 1961, 1962, and 1963. Precipitation at Topeka, in Shawnee County, was 8.57 inches above nor-

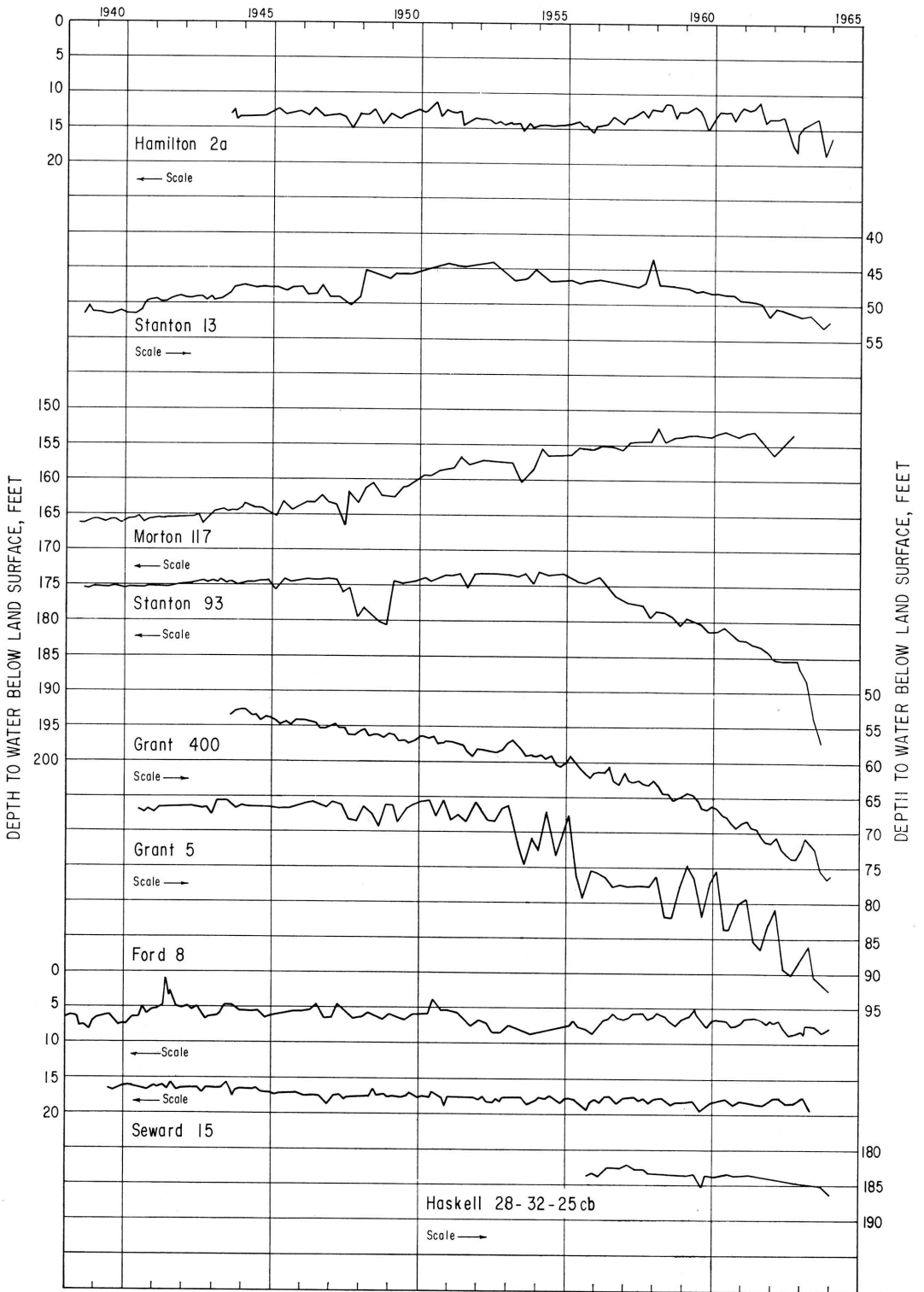


FIGURE 8.—Hydrographs of nine wells in Ford, Grant, Hamilton, Haskell, Morton, Seward, and Stanton counties, Kansas.



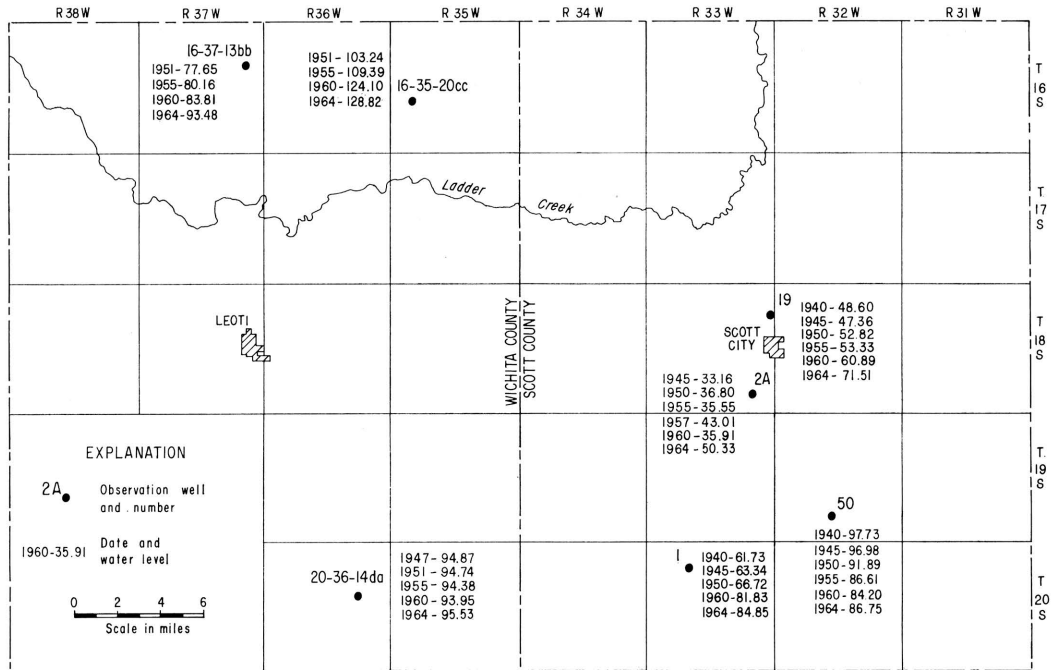


FIGURE 9.—Depth to water in selected observation wells in Scott and Wichita counties, Kansas.

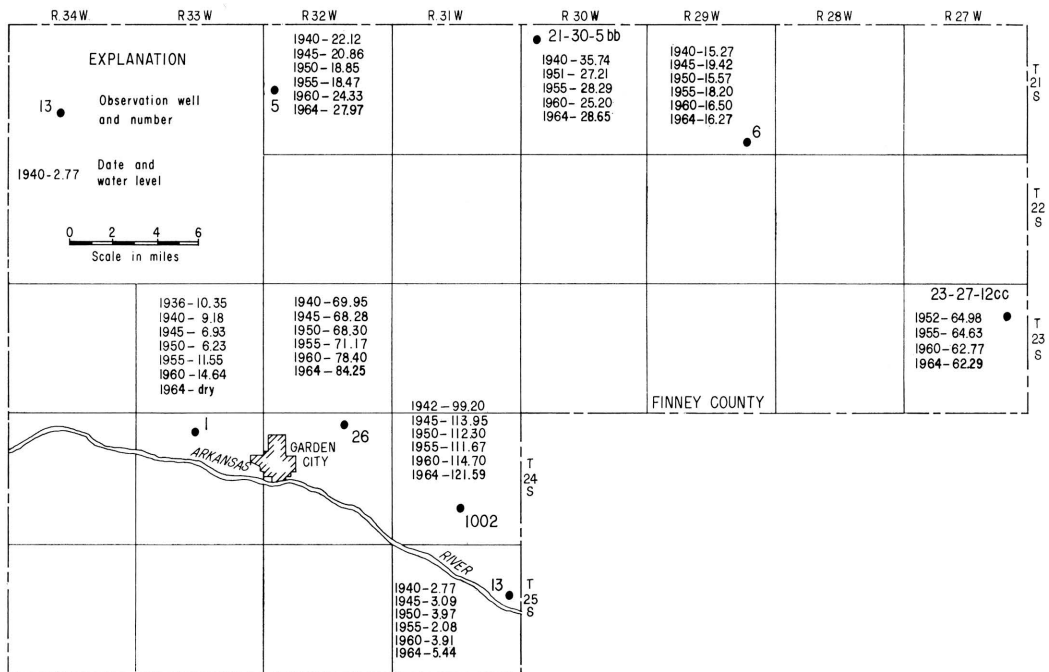


FIGURE 10.—Depth to water in selected observation wells in Finney County, Kansas.

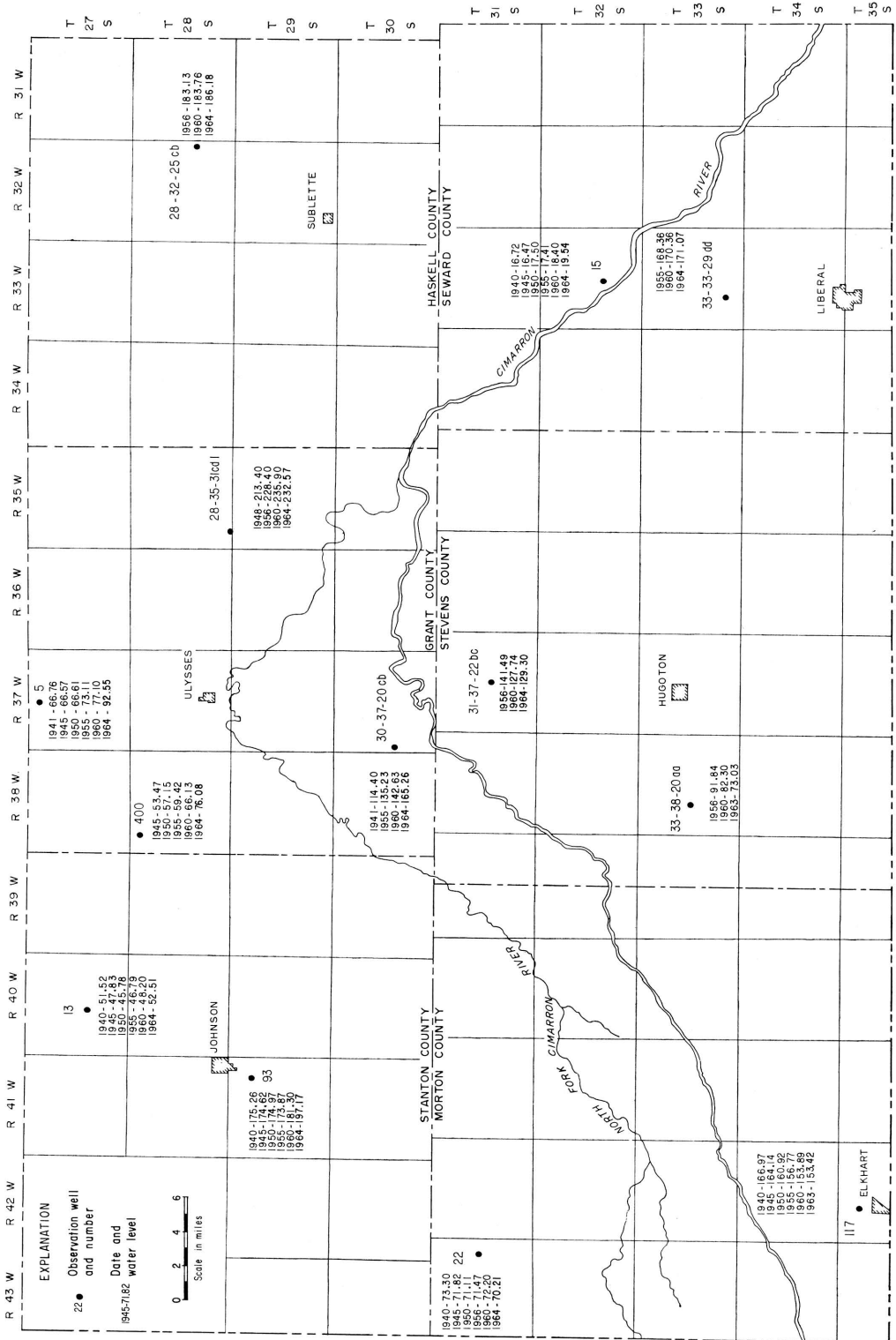


FIGURE 11.—Depth to water in selected observation wells in Morton, Grant, Stevens, Stanton, Haskell, and Seward counties, Kansas.

mal in 1961, 0.10 inch below normal in 1962, and 13.29 inches below normal in 1963. At Lawrence, in Douglas County, precipitation was 20.46 inches above normal in 1961, 1.82 inches above normal in 1962, and 11.97 inches below normal in 1963.

The water level in the Shawnee County well rose and the water level in the Douglas County well was relatively unchanged with above-normal precipitation in 1964.

### 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 datum plane that is approximately at the land surface at each well. Measurements are made from a fixed measuring point that may be a short distance above or below the land-surface datum, and they are then adjusted so that the depths to water reported are in feet below the land-surface datum.

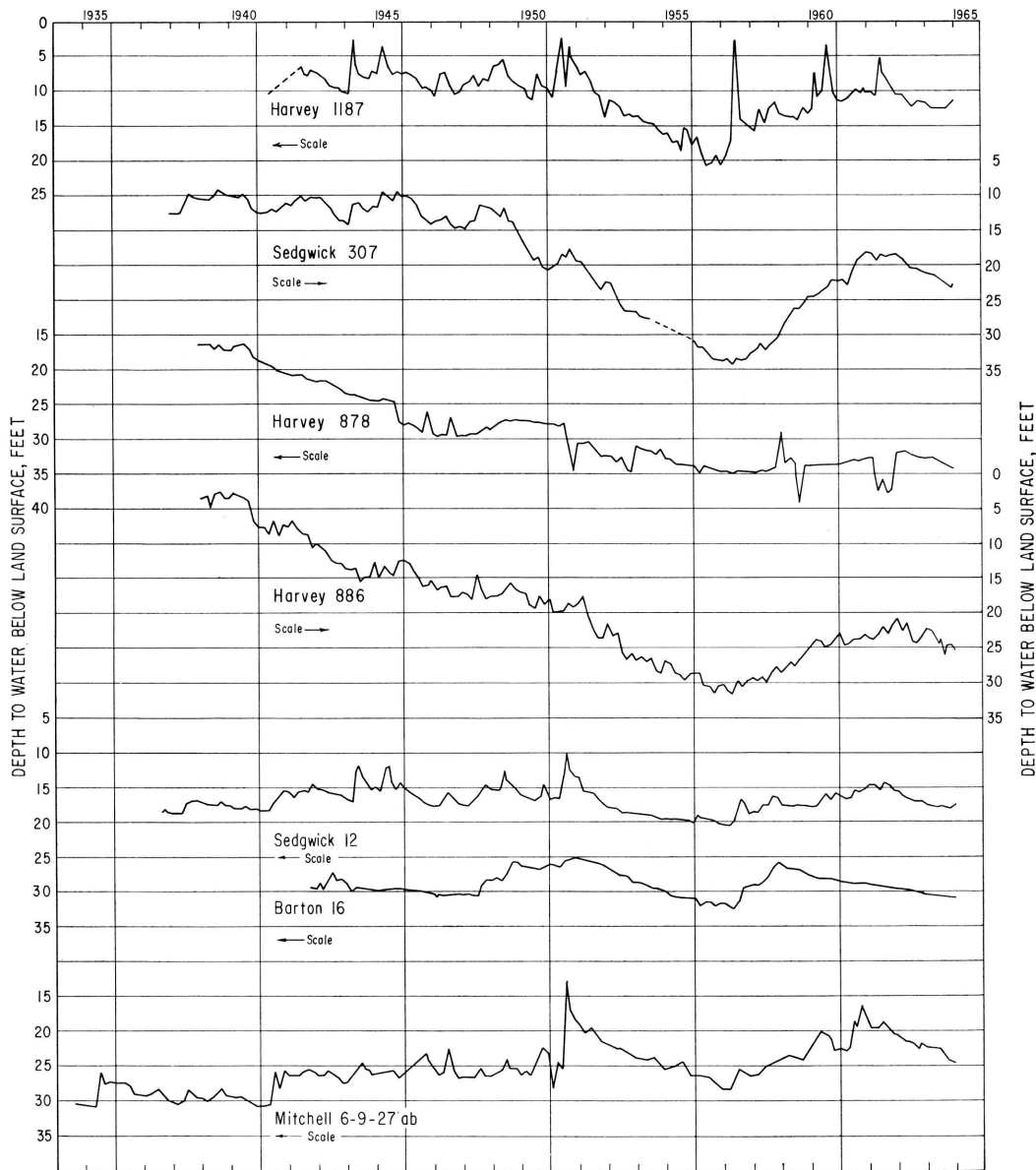


FIGURE 12.—Hydrographs of seven wells in Barton, Mitchell, Harvey, and Sedgwick counties, Kansas.

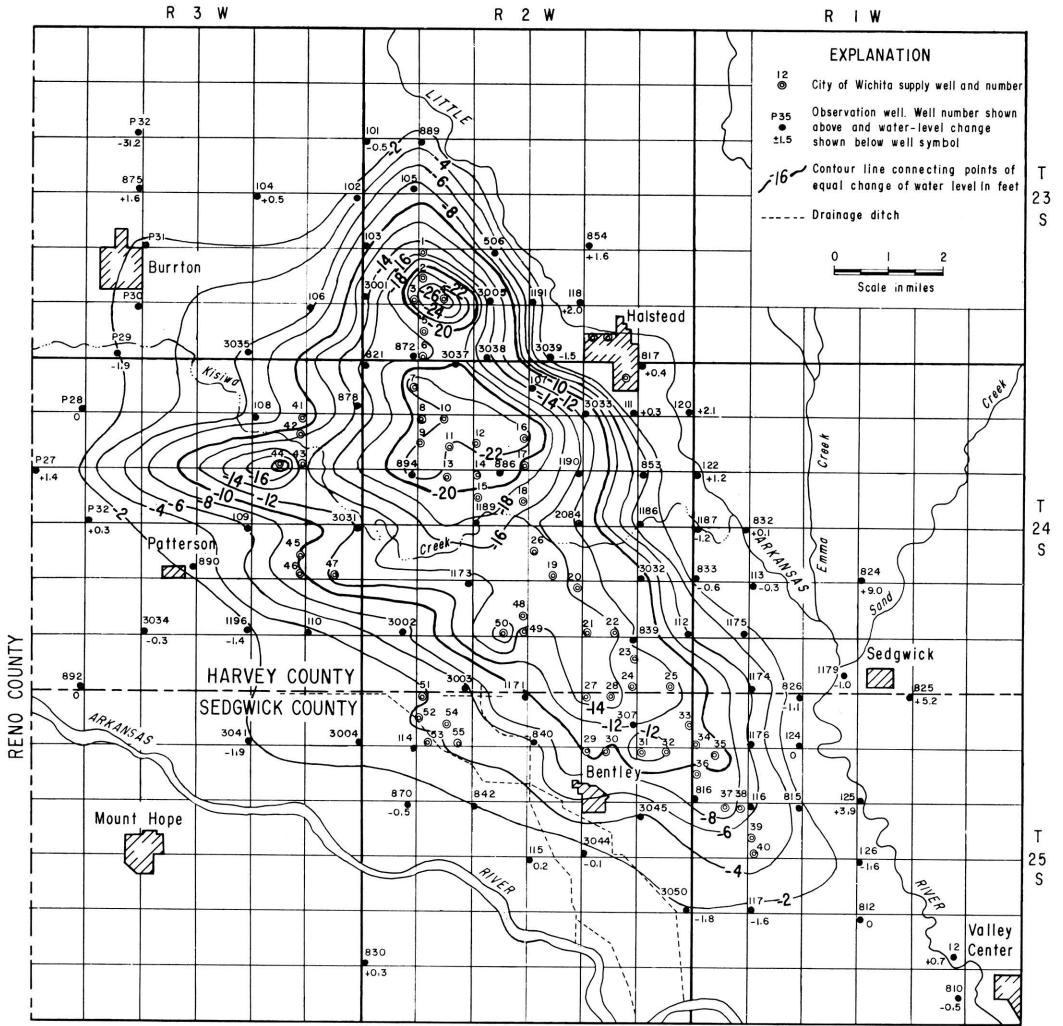


FIGURE 13.—Map of Wichita well field in *Equus*-beds area showing lines of equal change in water level from August 30, 1940, to December 31, 1964.

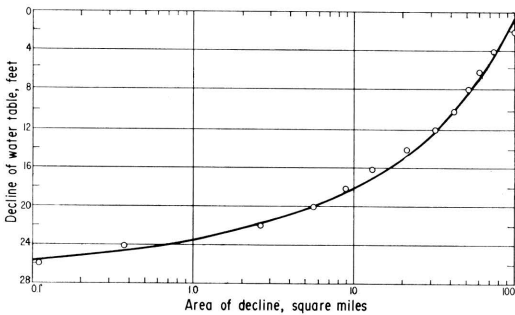


FIGURE 14.—Area of decline of water table in Wichita well-field area from September 1940 to December 31, 1964.

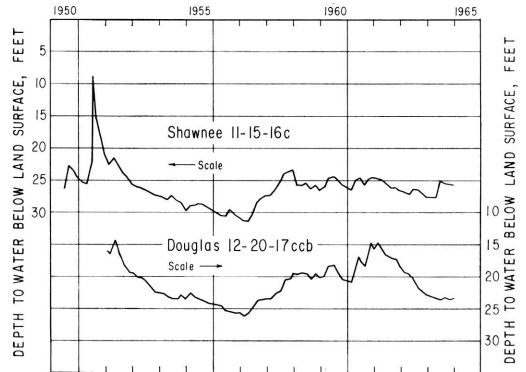


FIGURE 15.—Hydrographs of two wells in Douglas and Shawnee counties, Kansas.

Information for each well in Table 4 is reported by the method explained in the following example taken from p. 18: County (Chase); well number (19-7-10da); Missouri Basin well or Cooperative well (MB or C); owner (Herbert T. Drake); type of well (dug, unused, water-table well); geologic formation (alluvium); diameter (42 inches); depth (24 feet); casing (cribbed with rock); description of measuring point (top of concrete curbing, 1.00 foot above land-surface datum); highest water level during period of record (3.19 feet below land-surface datum, July 24, 1951); lowest water level during period of record (20.23 below land-surface datum, Feb. 16, 1957); period of record during which measurements have been made (1948-1964); month, day,

and depth to water below land-surface datum of measurements made during 1964 (Mar. 11, 15.33; June 15, 10.02; Oct. 20, 14.09; Dec. 29, 10.73).

The letter "P" after a date indicates that the water level was not measured because the well was being pumped. The letters "Pm" following a water-level measurement indicate that the well was being pumped at the time of measurement. Letters "Pc" following a measurement indicate a well was being pumped close by the measured well when the measurement was made; and where the information was available, the distance of the measured well from the pumped well is indicated following the table of measurements.

TABLE 4.—Water levels in observation wells in Kansas.

**ATCHISON COUNTY**

5-18-3dd. (C)\* Carl Mehl. Dug, water-table stock and domestic well in glacial deposits; diameter 36 inches, depth 10 feet, cribbed with rock. Well down-gradient from a pond. Measuring point, top boards over well, 0.30 foot above lsd. Highest water level 0.39 below lsd, Sept. 27, 1951; lowest 5.22 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57, 1960-63. Measurement discontinued.

**BARBER COUNTY**

1. (C) D. S. Shaw. SE NW sec. 19, T 31 S, R 15 W. Drilled, unused, water-table well in deposits of Permian age; diameter 8 to 6 inches, depth 95 feet. Measuring point, top of well cover, 1.05 feet above lsd. Highest water level 63.25 below lsd, Dec. 19, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-64. Dec. 16, 75.04.

4. (C) Madge Evans. SW SE sec. 4, T 32 S, R 12 W. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 66 feet. Measuring point, top south side of pump base, 0.80 foot above lsd. Highest water level 12.50 below lsd, June 22, 1949; lowest 19.40 below lsd, Sept. 16, 1964. Records available: 1940-64. Mar. 20, 17.29; June 23, 17.78; Sept. 16, 19.40; Dec. 16, 17.39.

8. (C) P. Brack. SE NE sec. 17, T 34 S, R 15 W. Dug, unused, water-table well in alluvium; diameter 36 inches, depth 26 feet, cribbed with brick. Measuring point, top north side of brick curb, 0.60 foot above lsd. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 21.01 below lsd, Apr. 3, 1957. Records available: 1940-64. Dec. 16, 18.99.

9. (C) V. D. Wells. SE SE sec. 18, T 34 S, R 15 W. Driven, unused, water-table well in alluvium; diameter 1 inch, depth 6 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-64. Dec. 16, 1.89.

10. (C) G. H. Davis. NW SW 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: 1940-64. Dec. 16, 104.77.

32-11-30bb. (C) Phillips Petroleum Co. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 3.30 below lsd, June 27, 1963; lowest 6.63 below lsd, Aug. 27, 1964. Records available: 1963-64.

Jan. 23	4.17	May 27	4.49	Sept. 16	5.44
Feb. 20	4.27	June 23	4.69	Oct. 21	4.75
Mar. 20	4.23	July 30	6.53	Nov. 23	4.29
Apr. 27	4.33	Aug. 27	6.63	Dec. 16	3.78

32-11-30cb. (C) D. S. Grigsby Estate. Drilled, unused, water-table domestic well in alluvium; diameter 6 inches, depth 33 feet. Measuring point, top south edge of casing, at land surface. Highest water level 6.76 below lsd, June 27, 1963; lowest 8.83 below lsd, Sept. 16, 1964. Records available: 1963-64.

Jan. 23	7.77	May 27	7.55	Sept. 16	8.93
Feb. 20	7.61	June 23	7.82	Oct. 21	8.03
Mar. 20	7.51	July 30	8.47	Nov. 23	7.53
Apr. 27	7.46	Aug. 27	8.61	Dec. 16	7.43

33-11-20ba. (C) Continental Oil Co. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.56 feet above lsd. Highest water level 5.84 below lsd, June 27, 1963; lowest 8.61 below lsd, Sept. 16, 1964. Records available: 1963-64.

Jan. 23	7.02	May 27	7.30	Sept. 16	8.61
Feb. 20	7.07	June 23	7.42	Oct. 21	7.94
Mar. 20	7.12	July 30	8.21	Nov. 23	7.70
Apr. 27	7.16	Aug. 27	8.42	Dec. 16	6.71

\* (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 the records were collected as a part of the Kansas Cooperative Ground-water Program.



**BARBER COUNTY—concluded.**

33-11-28cb. (C) Albert Harbaugh. Drilled, water-table well in alluvium; diameter 6 inches, depth 29 feet. Measuring point, top west edge of 6-inch coupling, 2.50 feet above lsd. Highest water level 3.01 below lsd, June 27, 1963; lowest 5.23 below lsd, July 30, 1964. Records available: 1963-64.

Jan. 23	3.60	July 30	5.23	Oct. 21	4.11
Feb. 20	3.66	Aug. 27	4.28	Nov. 23	4.08
Apr. 27	3.80	Sept. 16	4.34	Dec. 16	3.53
June 23	4.05				

**BARTON COUNTY**

16. (C) Teichmann. NE SE NE sec. 12, T 20 S, R 13 W. Drilled, unused, water-table well in Pleistocene Grand Island Formation; diameter 6 inches, depth 32 feet. Measuring point, top northwest side of casing, 1.10 feet above lsd. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 33.14 below lsd, Sept. 14, 1956. Records available: 1942-64. Mar. 17, 30.33; June 25, 30.59; Sept. 15, 30.73; Dec. 14, 30.96.

43. (C) M. Hagen. SW cor. sec. 20, T 20 S, R 11 W. Drilled, unused, water-table well in Pleistocene Grand Island Formation; diameter 6 inches, depth 44 feet. Measuring point, top west edge of casing, 0.50 foot above lsd. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 23.71 below lsd, Nov. 20, 1957. Records available: 1942-64. Mar. 17, 21.21; June 25, 21.65; Sept. 15, 22.58; Dec. 14, 22.55.

110. (C) Prudential Life Insurance Co. NE NE sec. 33, T 17 S, R 14 W. Drilled, unused, water-table well in alluvium; diameter 6 inches, depth 47 feet. Measuring point, top southwest side of casing below pump base, 0.30 foot above lsd. Highest water level 8.69 below lsd, July 22, 1958; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-64. Sept. 15, 18.99.

131. (C) F. W. Gagleman. SE SE sec. 22, T 19 S, R 15 W. Drilled, unused, water-table well in alluvium; diameter 5 inches, depth 24 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 8.05 below lsd, June 25, 1951; lowest 17.48 below lsd, Feb. 19, 1957. Records available: 1944-64.

Jan. 21	14.68	May 26	14.96	Sept. 15	15.79
Feb. 19	14.72	June 25	15.08	Oct. 19	15.79
Mar. 18	14.72	July 27	15.37	Nov. 19	15.63
Apr. 23	14.89	Aug. 26	15.63	Dec. 15	15.68

18-15-28cc. (109a) (C) A.T.S.F. right-of-way. Drilled, water-table observation well in alluvium; diameter 1½ inches, depth 68 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.86 below lsd, Nov. 20, 1961; lowest 14.86 below lsd, Sept. 15, 1964. Records available: 1960-64.

Jan. 21	11.60	May 26	12.64	Sept. 15	14.86
Feb. 19	11.72	June 25	12.30	Oct. 19	14.23
Mar. 18	11.73	July 27	13.33	Nov. 19	14.01
Apr. 23	12.06	Aug. 26	14.36	Dec. 15	13.82

**BROWN COUNTY**

3-16-28bdd. (C) Powhattan Community. Drilled, water-table public-supply 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 8.67 below lsd, Mar. 14, 1962; lowest 26.46 below lsd, Apr. 16, 1964. Records available: 1960-64.

Feb. 4	24.41	July 9	14.87	Dec. 29	23.97
Apr. 16	26.46	Oct. 29	22.72		

3-17-31bbb. (C) Baker Community. Drilled, water-table public-supply well in Pennsylvanian limestone; diameter 12 inches, depth 75 feet. Measuring point, top of concrete platform, 0.20 foot above lsd. Highest water level 53.63 below lsd, Sept. 18, 1962; lowest 58.69 below lsd, Oct. 29, 1964. Records available: 1960-64.

Feb. 4	57.44	July 9	56.40	Dec. 29	57.13
Apr. 16	56.72	Oct. 29	58.69		

4-16-15aad. (C) Mercier Community. Dug, water-table public-supply well in glacial till; diameter 10 feet, depth 44 feet. Measuring point, top of concrete platform, east side of opening, 0.60 foot above lsd. Highest water level 1.98 below lsd, Mar. 14, 1962; lowest 21.62 below lsd, Apr. 16, 1964. Records available: 1960-64.

Feb. 4	18.53	July 9	7.81	Dec. 29	19.52
Apr. 16	21.62	Oct. 29	16.47		

4-18-29bda. (C) City of Everest. Dug, water-table public-supply well in glacial till and Pennsylvanian limestone; diameter 8 feet, depth 60 feet. Measuring point, top of concrete rim around manhole, 4.50 feet below lsd. Highest water level 24.62 below lsd, Mar. 14, 1962; lowest 43.73 below lsd, Feb. 4, 1964. Records available: 1960-64.

Feb. 4	43.73	July 9	39.91	Dec. 29	40.29
Apr. 16	43.02	Oct. 29	40.78		

**CHASE COUNTY**

18-9-29cc. (C) Peak & Hatcher Co. Drilled, domestic well in Lower Permian 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: 1947-64. Mar. 11, 25.35; June 15, 23.67; Oct. 20, 25.33; Dec. 29, 22.77.

19-7-10da. (C) Herbert T. Drake. Dug, unused, water-table well in alluvium; diameter 42 inches, depth 24 feet, cribbed with rock. Measuring point, top of concrete curbing, 1.00 foot above lsd. Highest water level 3.19 below lsd, July 24, 1951; lowest 20.23 below lsd, Feb. 16, 1957. Records available: 1948-64. Mar. 11, 15.33; June 15, 10.02; Oct. 20, 14.09; Dec. 29, 10.73.

20-6-31bd. (C) B. S. Thompson. Drilled, unused, water-table well in Lower Permian 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: 1947-64. Mar. 11, 26.44; Oct. 20, 26.93; Dec. 29, 25.87.

20-7-13cb. (C) Geo. W. Starkey. Dug, water-table domestic well in Lower Permian 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: 1947-64. Mar. 11, 22.91; June 15, 20.31; Oct. 20, 21.96; Dec. 29, 21.46.

**CHEROKEE COUNTY**

1. (C) W. L. Stiles. NE NW NE sec. 2, T 34 S, R 23 E. Dug, water-table domestic well in Middle Pennsylvanian Bluejacket Sandstone Member of the Krebs Formation (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 20.75 below lsd, Dec. 27, 1963. Records available: 1942-45, 1948, 1950-58, 1960-64. June 9, 15.10.

3. (C) Fleming Mine #3. SW sec. 19, T 32 S, R 24 E. Drilled, unused, artesian well in Lower Ordovician Roubidoux Formation; 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 215.45 below lsd, June 9, 1964. Records available: 1943, 1950-58, 1960-64. June 9, 215.45.

32-25-6dad. (C) John P. Matter. Dug well in Dry Wood and Rowe coal beds of the 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, 1960-64. June 9, 17.90.

34-24-36bd. (C) City of Baxter Springs. Drilled, artesian municipal well in Roubidoux Formation; diameter 16 inches, depth 1,094 feet. Measuring point, top of casing, 1.80 feet above lsd. Highest water level 252.00 below lsd, Dec. 26, 1961; lowest 394.25 below lsd, July 11, 1956. Records available: 1956-58, 1960-63. No measurement made in 1964.

**CHEYENNE COUNTY**

1-38-2cd. (MB) Paul O'Brien. Drilled, water-table irrigation well in alluvium; diameter 18 inches, depth 41 feet. Measuring point, top of hole in turbine base, 1.00 foot above lsd. Highest water level 21.37 below lsd, May 6, 1952; lowest 25.95 below lsd, Aug. 4, 1964. Records available: 1948-64.

Feb. 17	22.76	Aug. 4	25.95	Nov. 3	P
Mar. 17	22.70	Sept. 17	24.95	Dec. 16	24.55
June 16	22.65				

1-38-8dcc. (MB) H. O. Haines. Drilled, water-table irrigation 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: 1946-64. Feb. 17, 12.67; Aug. 4, 14.11; Nov. 3, 14.31.

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: 1946-64. Feb. 17, 18.32; July 2, 18.17; Aug. 4, 18.41; Nov. 3, 19.07.

3-39-32bd. (MB) Clarence Yonkey. Drilled, water-table irrigation well in Pliocene Ogallala Formation; di-

iameter 16 inches, depth 224 feet. Measuring point, hole in pump-head base, 0.80 foot below lsd. Highest water level 152.08 below lsd, Apr. 10, 1963; lowest 178.74 below lsd, July 15, 1960. Records available: 1960-64. Mar. 17, 152.72; Sept. 17, 157.15; Dec. 16, 153.80.

3-40-9baa. (MB) P. G. Walter. Bored, water-table stock 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: 1946-64. Feb. 17, 20.65; July 2, 20.70; Aug. 4, 20.78; Nov. 3, 20.63.

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: 1946-64. Feb. 17, 16.51; Nov. 3, 17.16.

3-42-21bcc. (MB) Andrew Rueb. Drilled, water-table stock 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 204.77 below lsd, May 23, 1963. Records available: 1953-64. Feb. 17, P; Aug. 4, 202.90; Nov. 3, 202.54.

3-42-22dad. (MB) F. F. Blair. Drilled, unused, water-table well in Ogallala Formation, diameter 5 inches, depth 162 feet. Measuring point, edge of 5-inch casing, 1.30 feet above lsd. Highest water level 137.85 below lsd, May 25, 1955; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-61, 1963-64. Aug. 4, 138.40.

3-42-26cad. (MB) Henry Richers. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 6 inches, depth 196 feet. Measuring point, edge of 6-inch casing, 0.80 foot above lsd. Highest water level 175.70 below lsd, Aug. 30, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-61, 1963-64. Feb. 17, 180.78; Aug. 4, 180.03; Nov. 3, 180.80.

3-42-28dda. (MB) Clarence Raile. Drilled, water-table domestic and stock 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 139.55 below lsd, Jan. 3, 1962; lowest 152.45 below lsd, Nov. 7, 1960. Records available: 1953-64. Feb. 17, P.

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, Aug. 13, Nov. 4, 1963. Records available: 1946-47, 1949-63. Measurement discontinued.

4-42-5aaa. (MB) W. E. Klie. Drilled, water-table domestic and stock 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 195.88 below lsd, Aug. 13, 1963. Records available: 1953-61, 1963-64. Feb. 17, 194.15; Aug. 4, 195.53; Nov. 3, 194.71.

4-42-26bcb. (MB) Pete O'Brien. Drilled, water-table irrigation 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: 1954-64. Feb. 17, 21.31; Aug. 4, P; Nov. 3, 22.14.

5-38-22ac. (C) R. W. Gilliland. Drilled, irrigation well in Ogallala Formation; diameter 18 inches, depth 270 feet. Measuring point, hole in south side pump base, 0.2 foot above lsd. Highest water level 90.11 below lsd,

**CHEYENNE COUNTY—concluded.**

Mar. 17, 1964; lowest 99.71 below lsd, Dec. 16, 1964. Records available: 1964. Mar. 17, 90.11; June 16, 90.65; Sept. 17, 96.40; Dec. 16, 99.71.

**CLARK COUNTY**

6. (C) District school. NE NE sec. 7, T 35 S, R 21 W. Drilled, unused, water-table well in alluvium; diameter 6 inches, depth 33 feet. Measuring point, top south side of casing, at land surface. Highest water level 25.79 below lsd, July 29, Oct. 23, 1963; lowest 28.06 below lsd, July 23, 1958. Records available: 1940-43, 1950-64. Mar. 19, 25.85; June 23, 26.06; Sept. 16, 26.30; Dec. 16, 26.07.

10. (C) J. F. Folks Estate. SE SE sec. 24, T 32 S, R 23 W. Drilled, water-table stock well in deposits of Pleistocene age; diameter 6 inches, depth 23 feet. Measuring point, top south side of casing, 2.62 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, 1954-64. Mar. 19, 15.55; June 23, 16.45; Sept. 16, 16.64; Dec. 16, 16.70.

30-23-6aa. (C) Arnold Houff. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 6 inches, depth 160 feet. Measuring point, top of crack in pump, 1.40 feet above lsd. Highest water level 135.90 below lsd, Jan. 17, 1961; lowest 142.61 below lsd, Mar. 8, 1954. Records available: 1939, 1952-64. Mar. 19, P; June 23, 139.57; Sept. 16, 139.39; Dec. 16, 139.72.

32-23-26dd. (C) Owner unknown. Drilled, water-table stock well in deposits of Pleistocene age; diameter 5 inches, depth 55 feet. Measuring point, hole in north-east side concrete pump base, 0.6 foot above lsd. Highest water level 30.48 below lsd, Sept. 16, 1964; lowest 32.01 below lsd, Dec. 16, 1964. Records available: 1964. Sept. 16, 30.48; Dec. 16, 32.01.

33-22-30cbc. (C) Katherine Klinger. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 18 inches, depth 168 feet. Measuring point, flap opening on west side of pump, 0.71 foot above lsd. Highest water level 12.38 below lsd, Jan. 16, 1963; lowest 29.85 below lsd, Apr. 18, 1962. Records available: 1961-64. Mar. 19, 12.98; June 23, 22.80Pc; Sept. 16, 20.83; Dec. 16, 16.22.

**CLOUD COUNTY**

5-1-26cc. (C) U.S.G.S. Bored, water-table observation well in alluvium; diameter 1 1/4 inches, depth 25 feet. Measuring point, top of pipe, 4.8 feet above lsd. Highest water level 12.7 below lsd, Nov. 10, 1964; lowest 14.9 below lsd, July 9, 1964. Records available: 1963-64.

1963

June 10	14.67	Nov. 15	14.2	May 20	14.2
18	14.40	1964		July 9	14.9
July 15	13.6	Jan. 21	14.0	Sept. 10	13.1
Sept. 10	14.0	Apr. 1	14.4	Nov. 10	12.7

5-2-17dd. (C) U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 25 feet. Measuring point, top of pipe, 3.5 feet above lsd. Highest water level 16.8 below lsd, Jan. 8, 1963; lowest 19.5 below lsd, Nov. 10, 1964. Records available: 1962-64.

1962

Nov. 30	16.92	July 15	18.1	Apr. 1	19.1
1963		Sept. 10	18.5	May 20	18.5
Jan. 8	16.8	Nov. 15	18.3	July 9	19.2
Apr. 2	17.8	1964		Sept. 10	19.1
May 15	18.2	Jan. 21	18.5	Nov. 10	19.5
June 20	18.38				

5-3-19bb. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter 3/4 inch, depth 39 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.40 below lsd, Aug. 1, 1951; lowest 22.43 below lsd, Mar. 20, 1957. Records available: 1950-64.

Jan. 21	20.6	May 20	21.0	Sept. 10	21.4
Apr. 1	21.0	July 9	20.9		

5-3-20dd. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter 3/4 inch, depth 15 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.36 below lsd, July 27, 1950; lowest 11.86 below lsd, Feb. 19, 1957. Records available: 1950-64.

Jan. 21	10.8	May 20	11.1	Sept. 10	11.4
Apr. 1	11.3	July 9	9.6	Nov. 10	11.7

5-3-22bc. (C) U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 25 feet. Measuring point, top of pipe, 3.5 feet above lsd. Highest water level 18.5 below lsd, May 20, 1964; lowest 21.57 below lsd, July 15, 1963. Records available: 1962-64.

1962

Nov. 30	20.01	July 15	21.57	Apr. 1	20.5
1963		15	19.2	May 20	18.5
Jan. 8	21.2	Sept. 10	20.9	July 9	20.4
Apr. 2	19.1	Nov. 15	20.1	Sept. 10	19.6
May 15	20.0	1964		Nov. 10	18.9
June 20	20.61	Jan. 21	20.3		

5-3-24cb. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter 3/4 inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.90 above lsd, July 15, 1963; lowest 7.29 below lsd, Jan. 12, 1956. Records available: 1950-63. Measurement discontinued.

5-3-26cbb. (C) U.S.G.S. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 14 feet. Measuring point, top of pipe, 4.5 feet above lsd. Highest water level 7.7 below lsd, Sept. 10, 1964; lowest 10.1 below lsd, Nov. 10, 1964. Records available: 1963-64.

1963

June 20	9.10	Nov. 15	9.1	May 20	9.1
July 15	8.78	1964		July 9	8.7
15	9.0	Jan. 21	7.9	Sept. 10	7.7
Sept. 10	9.1	Apr. 1	9.6	Nov. 10	10.1

5-4-7cc. (C) U.S.G.S. Bored, water-table observation well in deposits of Cretaceous age; diameter 1 1/4 inches, depth 43 feet. Measuring point, top of pipe, 4.5 feet above lsd. Highest water level 18.25 below lsd, Nov. 30, 1962; lowest 32.3 below lsd, Nov. 10, 1964. Records available: 1962-64.

1962					
Nov. 30	18.25	July 15	29.0	Apr. 1	30.5
1963					
Jan. 8	28.2	Sept. 10	31.1	May 20	30.5
Apr. 2	27.5	Nov. 14	30.2	July 9	31.9
1964					
May 15	19.0	Jan. 22	30.3	Nov. 10	32.3

5-4-11dd. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter  $\frac{3}{4}$  inch, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.10 below lsd, Aug. 1, 1951; lowest 28.50 below lsd, Sept. 7, 1961. Records available: 1950-64. Measurement discontinued.

Jan. 21	20.3	May 20	20.9	Sept. 10	21.5
Apr. 1	20.5	July 10	20.0		

5-4-11dd2. (MB) U.S.B.R. This well located 15 feet north of well 5-4-11dd. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 28 feet. Measuring point, top of pipe, 3.6 feet above lsd. Records available: 1964. Nov. 10, 22.4.

5-4-26bc. (C) U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 4.5 feet above lsd. Highest water level 12.85 below lsd, Nov. 30, 1962; lowest 17.2 below lsd, Nov. 10, 1964. Records available: 1962-64.

1962					
Nov. 30	12.85	July 15	13.9	Apr. 1	15.7
1963					
Jan. 8	13.9	Sept. 10	14.7	May 20	14.7
Apr. 2	13.4	Nov. 14	13.5	July 9	15.5
1964					
May 15	13.7	Jan. 22	15.4	Nov. 10	17.2

5-5-2dc. (C) U.S.G.S. Bored, water-table observation well in deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 17 feet. Measuring point, top of pipe, 4.0 feet above lsd. Highest water level 8.4 below lsd, July 15, 1963; lowest 13.6 below lsd, Sept. 10, 1964. Records available: 1963-64.

1963					
June 20	8.59	1964			
July 15	8.4	Jan. 22	10.3	Sept. 10	13.6
Sept. 10	9.8	Apr. 1	10.8	Nov. 10	11.4
		May 20	11.7		

8-4-19cb. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 16.62 below lsd, June 30, 1962; lowest 22.10 below lsd, Dec. 14, 1964. Records available: 1960-64. Mar. 16, 21.14; June 8, 21.16; Sept. 14, 21.84; Dec. 14, 22.10.

8-4-30cbc. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 16.40 below lsd, June 26, 1961; lowest 26.1 below lsd, Sept. 24, 1964. Records available: 1960-64.

Mar. 16	24.70	June 9	25.3	Sept. 24	26.1
17	24.7	Sept. 14	25.87	Dec. 14	26.06
June 8	25.45				

8-4-31ddd. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.94 below lsd, June 26, 1961; lowest 24.70 below lsd, Sept. 24, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	23.43	June 9	24.1	Sept. 24	24.7
17	23.6	Sept. 14	24.40	Dec. 14	24.70
June 8	23.82				

8-5-10cbc. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 14.32 below lsd, Sept. 18, 1961; lowest 25.08 below lsd, Dec. 14, 1964. Records available: 1960-64. Mar. 16, 23.20; June 8, 23.55; Sept. 14, 24.38; Dec. 14, 25.08.

8-5-13add. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 21.70 below lsd, May 14, 1960; lowest 28.62 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	27.64	June 9	28.2	Sept. 14	28.6
17	27.7	Sept. 14	28.36	Dec. 14	28.62
June 8	27.96				

8-5-22bda. (MB) U.S.B.R. Bored, water-table observation well in alluvium; diameter  $1\frac{1}{4}$  inches, depth 29 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.72 below lsd, Sept. 18, 1961; lowest 22.60 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	20.60	June 9	21.3	Sept. 24	22.5
17	20.6	Sept. 14	21.34	Dec. 14	22.60
June 8	21.15				

8-5-25aa. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 16.85 below lsd, Sept. 18, 1961; lowest 24.42 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	23.26	June 9	23.7	Sept. 24	24.4
17	23.2	Sept. 14	24.18	Dec. 14	24.42
June 8	23.45				

8-5-27ab. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits 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 16.74 below lsd, Jan. 30, 1962; lowest 23.35 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	20.38	June 9	22.4	Sept. 24	23.0
17	21.5	Sept. 14	22.74	Dec. 14	23.35
June 8	22.00				

**COMANCHE COUNTY**

1. (C) A. A. Carpenter. NE NW sec. 8, T 33 S, R 20 W. Drilled, unused, water-table well in deposits of

**COMANCHE COUNTY—concluded.**

Permian age; diameter 6 inches, depth 39 feet. Measuring point, top of concrete pump base, 1.00 foot above lsd. Highest water level 35.29 below lsd, Dec. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-1964. Mar. 19, 35.65; Sept. 16, 36.31; Dec. 16, 36.68.

3. (C) E. Deewall. SW SE 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, 1955-64. Mar. 19, 74.61; June 23, 75.63; Dec. 16, 76.57Pm.

**CRAWFORD COUNTY**

28-22-20cc. (C) City of Walnut. Drilled, artesian municipal well in Lower Ordovician 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. Measurement discontinued.

29-23-24acc2. (C) City of Girard. Drilled, artesian municipal well in Roubidoux Formation; depth 1,204 feet. Measuring point, lip on steel pump base, 1.75 feet above lsd. Highest water level 279.75 below lsd, Jan. 1952; lowest 294.38 below lsd, Apr. 12, 1963. Records available: 1952, 1960, 1963-64. 1952: Jan., 279.75. 1960: Sept., 292.75. 1963: Apr. 12, 294.38. 1964: June 9, 289.58.

30-23-24dc. (C) Al Williams. Drilled, artesian domestic well in Mississippian limestone; diameter 6 inches, depth 707 feet. Measuring point, top of gas vent, 1.50 feet above lsd. Highest water level 218.00 below lsd, Dec. 1951; lowest 253.50 below lsd, Dec. 27, 1960. Records available: 1951, 1957-58, 1960-61, 1963. Measurement discontinued.

31-22-8dc. (C) City of McCune. Drilled, artesian municipal well in Roubidoux Formation; diameter 8½ inches, depth 1,304 feet. Measuring point, top edge of nipple on end of curved breather pipe, 2.00 feet above lsd. Highest water level 208.87 below lsd, June 9, 1964; lowest 216.8 below lsd, Aug. 9, 1963. Records available: 1963-64. 1963: Aug. 9, 216.8. 1964: June 9, 208.87.

**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 31.69 below lsd, Dec. 17, 1964. Records available: 1959-64. Mar. 17, P; June 15, P; Sept. 18, 31.60; Dec. 17, 31.69.

1-29-19bdd. (C) Byron McCartney. Drilled irrigation well in alluvium; diameter 18 inches, depth 52 feet. Measuring point, hole in north side of pump-head base, 0.70 foot above lsd. Highest water level 10.07 below lsd, July 13, 1960; lowest 27.70 below lsd, July 15, 1959. Records available: 1959-64. Mar. 17, 13.20; June 16, 12.69; Sept. 18, 14.00; Dec. 17, 13.96.

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 96.92 below lsd, Oct. 10, 1962; lowest 100.37 below lsd, Nov. 22, 1954. Records

available: 1954-64. Mar. 17, 97.85; June 16, 97.72; Sept. 18, 97.30; Dec. 17, 97.55.

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 32.05 below lsd, Sept. 18, 1964. Records available: 1959-64. Mar. 17, 28.28; June 15, 31.20; Sept. 18, 32.05; Dec. 17, 30.10.

4-26-8ddd. (C) Reo Harris. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 76 feet. Measuring point, hole in southwest corner of pump-head base, 1.25 feet above lsd. Highest water level 28.18 below lsd, Apr. 13, 1960; lowest 31.16 below lsd, Oct. 13, 1959. Records available: 1959-64. Mar. 17, 29.36; June 16, 29.32; Sept. 18, 30.03; Dec. 17, 29.97.

4-29-16cd. (C) E. R. Anderson. Drilled, abandoned, water-table irrigation well in Ogallala Formation; diameter 5 inches, depth 180 feet. Measuring point, north side top of casing, 1.00 foot above lsd. Highest water level 129.46 below lsd, Sept. 18, 1964; lowest 135.63 below lsd, Apr. 13, 1960. Records available: 1960-64. Mar. 17, 129.49; June 15, 129.47; Sept. 18, 129.46; Dec. 17, 130.01.

**DOUGLAS COUNTY**

12-20-17ccb. (C) Frank D. Walters. 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 14.39 below lsd, Feb. 5, 1962; lowest 26.33 below lsd, Mar. 30, 1957. Records available: 1952-64.

*Water Levels from Recorder Graph*

Month	5	10	15	20	25	30
Jan.	22.84	22.87	22.91	22.93	22.95	22.97
Feb.	22.98	23.03	23.05	23.08	23.13	.....
Mar.	23.22	23.31	23.40	23.42	23.53	23.73
Apr.	23.52	23.42	23.43	23.42	23.40	23.37
May	23.36	23.41	23.45	23.53	23.56	23.59
June	23.60	23.50	23.25	23.07	22.69	22.63
July	22.62	22.67	22.36	22.41	22.52	22.62
Aug.	22.79	22.74	22.88	22.92	22.24	22.34
Sept.	21.98	21.89	21.90	21.89	21.85	21.97
Oct.	22.11	.....	.....	.....	22.52	22.59
Nov.	22.69	22.76	.....	.....	22.91	.....
Dec.	.....	.....	.....	.....	.....	.....

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, 1.00 foot above lsd. Highest water level 14.40 below lsd, May 23, 1961; lowest 20.84 below lsd, May 27, 1957. Records available: 1957-59, 1961, 1963-64. Dec. 28, 17.20.

13-19-21bb. (C) C. E. Banning. Drilled, artesian domestic and stock well in Upper Pennsylvanian Tonganoxie Sandstone Member of Stranger Formation; diameter 6 inches, depth 96 feet. Measuring point, top of casing cover plate, 3.10 feet below lsd. Highest water level 23.48 below lsd, May 20, 1952; lowest 41.99 below lsd, Jan. 5, 1957. Records available: 1952-60, 1962-64. Feb. 29, 38.47; June 9, 37.27.

15-20-11cda. (C) U.S.G.S. and K.G.S. Drilled, water-table observation well in Upper Pennsylvanian Ireland Sandstone Member of Lawrence Formation; diameter 1¼



inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 42.31 below lsd, Mar. 29, 1962; lowest 50.54 below lsd, Jan. 30, 1958. Records available: 1955-64.

Feb. 29	45.37	June 9	46.47	Oct. 1	48.36
Apr. 1	45.43	Aug. 10	46.84		

15-21-4bcc. (C) U.S.G.S. and K.G.S. Drilled, water-table observation well in Ireland Sandstone Member of Lawrence Formation; diameter 5½ inches, depth 144 feet. Measuring point, top of well seal, 2.00 feet above lsd. Highest water level 13.68 below lsd, Mar. 29, 1962; lowest 29.46 below lsd, Oct. 1, 1964. Records available: 1956-64.

Feb. 29	26.41	June 9	27.39	Oct. 1	29.46
Apr. 1	26.26	Aug. 10	27.88		

**EDWARDS COUNTY**

10. (C) E. F. Lippoldt. SW SW sec. 22, T 23 S, R 19 W. Dug, unused, water-table well in Dakota Formation; diameter 4½ feet, depth 68 feet, cribbed with rock. Measuring point, top of hole in concrete cover, 0.60 foot above lsd. Highest water level 61.86 below lsd, June 21, 1960; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-64. Mar. 19, 64.09; June 24, 64.88; Sept. 17, 66.23; Dec. 17, 66.41.

24-19-34ad. (1A) (C) U.S.G.S. Bored, water-table well in alluvium; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.43 feet above lsd. Highest water level 7.18 below lsd, Oct. 24, 1962; lowest 8.74 below lsd, July 30, 1963. Records available: 1961-64. Mar. 19, 8.08; June 24, 8.15; Sept. 17, 7.71; Dec. 17, 7.52.

25-16-31dal. (C) E. B. Mayhew. Drilled, unused well in Ogallala Formation; diameter 1½ inches, depth 42 feet. Measuring point, top south side of pipe, 0.80 foot above lsd. Highest water level 15.50 below lsd, Aug. 20, 1958; lowest 21.61 below lsd, Mar. 20, Apr. 9, 1957. Records available: 1957-64. Mar. 23, 18.47; June 24, 19.03; Sept. 17, 19.49; Dec. 17, 18.84.

**ELLIS COUNTY**

215. (C) A. H. Romine. NE NW sec. 7, T 11 S, R 16 W. Dug, water-table stock well in deposits of Pleistocene age; diameter 24 inches, depth 22 feet, cribbed with rock. Measuring point, top edge of platform, west side of pump base, 3.50 feet above lsd. Highest water level 9.07 below lsd, June 29, 1962; lowest 20.80 below lsd, Apr. 17, 1956. Records available: 1941-64. Mar. 17, 15.44; June 9, 15.80; Sept. 15, 16.60; Dec. 15, P.

218. (C) W. W. Bemis. NE NE sec. 16, T 12 S, R 17 W. Dug, unused, water table well in Upper Cretaceous Codell Sandstone Member 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: 1941-64. Mar. 17, 47.96; June 9, 49.47; Sept. 15, 50.08; Dec. 15, 51.45.

14-16-17cb. (MB) J. M. Schippers. Dug, water-table stock 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: 1946-64. Mar. 17, 19.70; June 9, 19.35; Sept. 15, 19.22; Dec. 15, 19.10.

14-16-36bc. (MB) Tony Wagner. Dug, water-table stock well in alluvium; diameter 4 feet, depth 20 feet, cribbed with stone. Measuring point, top south edge of board platform, 1.50 feet above lsd. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 21.74 below lsd, May 10, 1947. Records available: 1946-52, 1955-64. Mar. 17, 17.95; June 9, 19.68; Sept. 15, 19.77; Dec. 15, 19.79.

14-20-32dd. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 25 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 18.87 below lsd, Sept. 15, Dec. 15, 1964; lowest 23.41 below lsd, Oct. 15, 1956. Records available: 1950-64. Mar. 17, 20.17; June 9, 20.30; Sept. 15, 18.87; Dec. 15, 18.87.

15-18-16bb. (MB) T. W. Wolf. Dug, water-table domestic and stock well in alluvium; diameter 40 inches, depth 13 feet, cribbed with stone. Measuring point, top east edge of curb, 2.45 feet above lsd. Highest water level 1.17 below lsd, May 15, 1951; lowest 10.28 below lsd, Oct. 15, 1956. Records available: 1946-64. Mar. 17, 7.05; June 9, 6.87; Sept. 15, 7.38; Dec. 15, 7.93.

15-18-27cb. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 42 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: 1949-64. Mar. 17, 11.37; June 9, 11.73; Sept. 15, 11.63; Dec. 15, 11.10.

15-19-6aa. (MB) Aug. Leiker. Drilled, water-table observation well in gravel and terrace deposits of Pleistocene age; diameter 6 inches, depth 59 feet. Measuring point, top of concrete platform, 4.00 feet below lsd. Highest water level 48.38 below lsd, Dec. 15, 1964; lowest 57.26 below lsd, Aug. 6, 1958. Records available: 1946-52, 1954-64. Mar. 17, 52.23; June 9, 52.00; Sept. 15, 49.37; Dec. 15, 48.38.

15-19-9cc. (MB) U.S.G.S. Drilled, water-table observation well in gravel and terrace deposits of Pleistocene age; diameter 1¼ inches, depth 54 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 33.01 below lsd, Oct. 24, 1949; lowest dry, June 4, 1951. Records available: 1949-64.

Feb. 18	34.90	June 9	34.25	Sept. 15	34.73
Mar. 17	34.28	12	34.40	Oct. 27	33.70
Apr. 18	34.30	Aug. 10	34.00	Dec. 15	33.57

15-19-15dd. (MB) U.S.G.S. Drilled, water-table observation well in gravel and terrace deposits of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 23.37 below lsd, Oct. 2, 1962; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-64.

Feb. 18	24.20	June 9	24.28	Sept. 15	23.42
Mar. 17	24.40	12	24.30	Oct. 27	24.50
Apr. 8	24.20	Aug. 10	24.40	Dec. 5	24.10

15-20-1bb. (MB) U.S.G.S. Jetted, water-table observation well in sand and terrace deposits of Pleistocene age; diameter ¾ inch, depth 24 feet. Measuring point since June 9, 1964, top of pipe, 4.20 feet above lsd. Highest water level 18.1 below lsd, July 9, 1964; lowest

**ELLIS COUNTY—concluded.**

dry, Mar. 15, June 4, July 26, 1951. Records available: 1950-53, 1955-64.

Mar. 17	21.00	July 9	18.1	Oct. 27	19.00
June 9	20.92	Aug. 10	19.40	Dec. 15	19.05
	11 21.10	Sept. 15	19.48		

**ELLSWORTH COUNTY**

16-6-35bdd. (MB) U.S.G.S. Jetted, water-table observation 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 15.18 below lsd, Oct. 1, 1951; lowest 24.31 below lsd, Aug. 20, 1951. Records available: 1950-64. Mar. 19, 22.22; June 9, 22.44; Sept. 15, 22.33; Dec. 14, 22.50.

**FINNEY COUNTY**

1. (C) Mrs. A. M. Reid. NE NE sec. 9, T 24 S, R 33 W. Drilled, water-table observation 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 dry, May 25, July 20, 25, Aug. 1 through Dec. 30, 1964. Records available: 1936-64.

*Water Levels from Recorder Graph*

Month	5	10	15	20	25	30
Jan.	18.53	18.46	18.40	18.31	18.25	18.20
Feb.	18.13	18.08	18.01	17.95	17.88	.....
Mar.	17.75	17.71	17.66	17.63	17.60	17.61
Apr.	17.67	.....	.....	.....	18.33	18.04
May	18.05	18.91	19.39	19.54	dry	18.90
June	19.17	19.18	19.18	19.15	18.31	17.75
July	18.89	19.40	19.57	dry	dry	19.40
Aug.	dry	dry	dry	dry	dry	dry
Sept.	dry	dry	dry	dry	dry	dry
Oct.	dry	dry	dry	dry	dry	dry
Nov.	dry	dry	dry	dry	dry	dry
Dec.	dry	dry	dry	dry	dry	dry

5. (C) E. Alberta Reeves. SE NW NW 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 27.97 below lsd, Feb. 3, 1964. Records available: 1939-64. Jan. 13, 27.89; Feb. 3, 27.97.

6. (C) T. A. Meakel. NW SW SW sec. 36, T 21 S, R 29 W. Drilled, unused, water-table well in alluvium; diameter 8 inches, depth 21 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: 1939-64. Jan. 13, 16.32; Apr. 7, 16.27.

13. (C) Edwin Wehrley. NE SE SW sec. 13, T 25 S, R 31 W. Dug, unused, water-table well in alluvium; diameter 24 inches, depth 9 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest water level 0.76 above lsd, May 5, 1942; lowest 5.44 below lsd, Oct. 20, 1964. Records available: 1939-64.

Jan. 20	4.14	Mar. 23	4.00	July 15	4.52
Feb. 24	3.89	May 18	4.23	Oct. 20	5.44

26. (C) Garden City Experiment Station. SW NE SE sec. 3, T 24 S, R 32 W. Drilled, unused, water-table well in deposits of Pleistocene age; diameter 26 inches, depth 185 feet. Measuring point, top of casing, at land surface. Highest water level 63.85 below lsd, Oct. 29, 1951; lowest 84.60 below lsd, July 15, 1964. Records available: 1934, 1939-64.

Jan. 20	77.95	Mar. 23	81.05	July 15	84.60
Feb. 25	78.20	May 18	84.00	Oct. 20	84.25

1002. (C) U.S. Army. SW sec. 27, T 24 S, R 31 W. Drilled, water-table industrial 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 132.30 below lsd, May 18, 1964. Records available: 1942-64.

Jan. 20	116.82	Mar. 23	116.95	July 15	129.68
Feb. 24	118.32	May 18	132.30	Oct. 20	121.59

21-30-5bb. (C) F. T. Carl. Drilled, water-table domestic and stock 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: 1951-64. Aug. 10, P; Nov. 23, 28.65.

21-32-20cb. (C) Glen C. Archer. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 203 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Records available: 1964. Sept. 29, P; Dec. 16, 47.28.

21-34-14db. (C) Pat McHugh. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 141 feet. Measuring point, hole in north side pump base, 0.90 foot above lsd. Highest water level 63.58 below lsd, Sept. 29, 1964; lowest 71.44 below lsd, Dec. 21, 1964. Records available: 1961-64.

1961		1962		1964	
Feb. 3	63.88	Sept. 11	65.80	Feb. 13	68.50
Sept. 18	63.62	1963		Sept. 29	63.58
		Feb. 4	66.75	Dec. 21	71.44

22-33-36aa. (C) George H. Hahn. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 190 feet. Measuring point, 1-inch hole in steel cap top casing, 3.50 feet above lsd. Highest water level 18.46 below lsd, Mar. 18, 1964; lowest 82.87 below lsd, July 15, 1964. Records available: 1963-64.

Jan. 13	20.70	July 15	82.87Pc*
Feb. 3	19.40	Aug. 10	81.16Pc*
Mar. 18	18.46	Sept. 8	62.82
Apr. 7	24.99	Oct. 13	39.65
May 18	55.09	Nov. 16	40.80
June 9	30.51	Dec. 21	27.90

\* Well pumping 30 feet east.

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. 31, 1959; lowest 82.31 below lsd, Sept. 28, 1964. Records available: 1957-64. Mar. 23, 65.47; June 30, 75.30; Sept. 28, 82.31; Dec. 21, 76.50.

23-27-12cc. (C) C. R. Rixon. Drilled, unused well in Ogallala Formation; diameter 6 inches, depth 72 feet. Measuring point, 1-inch board on top of concrete block, 0.60 foot above lsd. Highest water level 61.98 below lsd, Nov. 10, 1961; lowest 68.49 below lsd, Oct. 2, 1941. Records available: 1939-42, 1952-64. Jan. 13, 62.32; Apr. 7, 62.38; July 15, 62.25; Oct. 13, 62.29.

23-33-28dc. (C) Wendeline Richmeier. Drilled, artesian irrigation 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 42.70 below lsd, Oct. 25, 1940; lowest 99.60 below lsd, Sept. 28, 1964. Records available: 1940, 1959-64. Mar. 23, P; June 30, Pc; Sept. 28, 99.60; Dec. 21, 71.91.

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: 1958-64. Jan. 14, 66.12.

26-31-1dd. (C) Mearl Hutton. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 169 feet. Measuring point, west outside edge of sloping pipe, 1.00 foot above lsd. Highest water level 71.57 below lsd, Jan. 30, 1962; lowest 73.63 below lsd, Jan. 9, 1963. Records available: 1959-64. Jan. 14, 73.10.

26-33-17ac. (C) William F. Stone. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 200 feet. Measuring point, hole in east side of pump base, 1.50 feet above lsd. Highest water level 60.78 below lsd, Jan. 8, 1960; lowest 61.92 below lsd, Jan. 12, 1962. Records available: 1960-64. Jan. 14, 61.84.

**FORD COUNTY**

8. (C) F. H. Diehl. NW NW sec. 34, T 26 S, R 25 W. Drilled, water-table irrigation well in alluvium; diameter 20 inches, depth 20 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.92 below lsd, Aug. 21, 1963. Records available: 1938-64.

Jan. 21	8.64	Mar. 19	7.41	Sept. 17	8.38
Feb. 19	7.39	June 23	7.50	Dec. 17	7.89

96a. (C) Henry Hattrup. SE NE sec. 23, T 26 S, R 21 W. Driven, unused well in alluvium; diameter 1 1/4 inches, depth 12 feet. Measuring point, 0.60 foot above lsd. Highest water level 6.49 below lsd, Apr. 19, 1960; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1956-64. Mar. 19, 8.33; June 24, 8.67; Sept. 17, 8.76; Dec. 17, 8.23.

1002. (C) William C. Knoy. Cen. SE sec. 12, T 26 S, R 26 W. Drilled, water-table stock and irrigation well in Ogallala Formation; diameter 16 inches, depth 261 feet. Measuring point, top north side of casing, 1.09 feet above lsd. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-64. Mar. 19, 104.66; June 24, 105.04; Sept. 17, 105.49; Dec. 17, 104.19.

25-22-20aa. (C) Mary Arends. Drilled cemetery well in Ogallala Formation; diameter 5 1/2 inches, depth 72 feet. Measuring point, hole in pump base under pump

handle, 0.20 foot above lsd. Highest water level 63.44 below lsd, Apr. 17, 1961; lowest 67.75 below lsd, Oct. 18, 1953. Records available: 1939, 1951-64. Mar. 19, 64.25; June 24, 64.23; Sept. 17, 64.07; Dec. 17, 64.41.

27-24-3da. (C) Owner unknown. Drilled, water-table stock well in alluvium; diameter 5 inches, depth 90 feet. Measuring point, top of pump base, 1.95 feet above lsd. Highest water level 12.23 below lsd, June 23, 1964; lowest 13.31 below lsd, Sept. 17, 1964. Records available: 1963-64.

Jan. 21	12.81	Mar. 19	12.69	Sept. 17	13.31
Feb. 19	12.74	June 23	12.23	Dec. 16	12.94

29-21-5bb. (C) E. R. and Maynard L. Estes. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 131 feet. Measuring point, flap in north side of pump base, 0.50 foot above lsd. Highest water level 79.50 below lsd, May 1956; lowest 99.20 below lsd, Dec. 16, 1964. Records available: 1956, 1959-64. Mar. 23, 95.82; June 23, 96.83; Sept. 17, 97.77; Dec. 16, 99.20.

**GOVE COUNTY**

11-27-16aa. (C) M. E. Neher. Drilled, unused well in Ogallala Formation; diameter 5 inches, depth 108 feet. Measuring point, base of pump, at land surface. Highest water level 93.09 below lsd, Dec. 15, 1964; lowest 95.40 below lsd, Aug. 27, 1956. Records available: 1952-1964. Mar. 16, 93.24; June 15, 93.19; Sept. 14, 93.20; Dec. 15, 93.09.

11-31-10aa. (C) Thos. P. Johnstone. Drilled, unused well in Ogallala Formation; diameter 5 inches, depth 99 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 91.91 below lsd, Sept. 14, 1964. Records available: 1952-64. Mar. 16, 91.48; June 15, 91.69; Sept. 14, 91.91; Dec. 14, 91.89.

13-30-33bb. (C) Richard Benson. Dug, domestic and stock well in Upper Cretaceous 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 29.75 below lsd, Dec. 15, 1964. Records available: 1959-64. Dec. 15, 29.75.

**GRAHAM COUNTY**

6-23-12ccb. (C) H. Hauser. Drilled stock well in Ogallala Formation; diameter 5 inches, depth 69 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 60.60 below lsd, Oct. 17, 1961; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-64. Dec. 17, 62.91.

6-25-28cb. (C) Henry Klein. Drilled, water-table irrigation well in Ogallala Formation, diameter 12 inches, depth 180 feet. Measuring point, lower lip of pipe in pump base, 0.75 foot above lsd. Highest water level 96.38 below lsd, Sept. 4, 1962; lowest 112.75 below lsd, Sept. 14, 1964. Records available: 1962-64. Mar. 18, 97.47; June 16, 97.35; Sept. 14, 112.75; Dec. 17, 98.39.

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 31.72 below lsd, Oct. 10, 1962; lowest 46.12 below lsd, Nov. 26, 1956. Records available: 1952-64. Mar. 17, 34.87; June 16, 35.83; Sept. 14, 37.10; Dec. 17, 37.20.

7-23-36ccd. (C) Hill City Cemetery. Dug, unused

## GRAHAM COUNTY—concluded.

well in Ogallala Formation; diameter 42 inches, depth 54 feet. Measuring point, base of pump, 0.70 foot above lsd. Highest water level 23.13 below lsd, July 16, 1962; lowest 48.18 below lsd, May 16, 1956. Records available: 1952-64. Mar. 17, 28.65; June 16, 29.81; Sept. 14, 31.85; Dec. 17, 31.81.

10-23-14bcc. (C) J. Diebolt. Drilled, unused well in Ogallala Formation; diameter 4 inches, depth 44 feet. Measuring point, hole in west side of pump base, 0.15 foot above lsd. Highest water level 25.21 below lsd, Apr. 13, 1962; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-63. No measurement made in 1964.

## GRANT COUNTY

5. (C) C. L. Jury. NE SE sec. 4, T 27 S, R 37 W. Drilled, unused, water-table well in deposits of Pleistocene age; diameter 6 inches, depth 139 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 92.55 below lsd, Dec. 7, 1964. Records available: 1941-64. Mar. 17, 85.83; June 10, 90.71; Dec. 7, 92.55.

400. (C) State of Kansas. SE NE sec. 6, T 28 S, R 38 W. Drilled, water-table observation well in deposits of Pleistocene age, diameter 12 inches, depth 78 feet. Measuring point, top south side of casing, 0.20 foot above lsd. Highest water level 52.70 below lsd, Feb. 28, 1945; lowest 76.35 below lsd, Nov. 15, 1964. Records available: 1944-64.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	72.13	72.02	71.83	71.66	71.51	71.37
Feb.	71.12	71.12	71.00	70.90	70.77	.....
Mar.	70.67	70.62	70.61	70.60	70.59	70.64
Apr.	70.73	70.87	71.17	71.41	71.60	71.84
May	72.08	72.32	72.53	72.74	72.89	72.87
June	72.72	72.69	72.56	72.52	72.40	72.35
July	72.57	72.77	73.14	73.50	73.75	74.00
Aug.	74.32	74.58	74.80	75.03	75.20	75.40
Sept.	75.62	75.77	75.91	76.01	76.16	76.20
Oct.	76.13	76.00	75.86	75.91	75.98	76.05
Nov.	76.27	76.32	76.35	76.25	76.05	76.03
Dec.	75.98	75.88	75.78	75.78	75.77	76.08

27-35-16cb. (C) Craig Howard. Drilled, water-table stock well in deposits of Pleistocene age; diameter 6 inches, depth 183 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 173.94 below lsd, Nov. 18, 1953; lowest dry, Nov. 22, 1963. Records available: 1941-42, 1951-63. No measurement made in 1964.

27-35-17ad. (C) Herman E. Meyer. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 410 feet. Measuring point, top hole in southeast side steel pump base, 2.00 feet above lsd. Highest water level 173 below lsd, May 31, 1954; lowest 184.05 below lsd, Jan. 22, 1964. Records available: 1954, 1958-60, 1963-64.

1954	1959	1964
May 31 173	Oct. 15 180.1	Jan. 22 184.05
1958	1960	May 18 P
Sept. 30 179.63	Feb. 25 180.1	Aug. 4 P
Nov. 19 179.25	1963	Nov. 10 P
Dec. 9 179.37	Jan. 22 179.75	

27-38-15bb. (C) Mrs. Charles Andes. Drilled, irrigation well in deposits of Pleistocene age, Dakota Formation, and Lower Cretaceous Cheyenne Sandstone; diameter 16 inches, depth 479 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 149.70 below lsd, May 18, 1964. Records available: 1958-64. May 18, 149.70; Aug. 3, P; Nov. 10, 147.54.

27-38-23cbl. (C) L. F. Hohner. Drilled, unused, water-table well in deposits of Pleistocene age; diameter 16 inches, depth 235 feet. Measuring point, top east side of casing, 0.80 foot above lsd. Highest water level 41.25 below lsd, Mar. 9, 1943; lowest 147.58 below lsd, Sept. 1, 1964. Records available: 1943, 1955, 1958-64. Mar. 3, 92.77; June 10, 108.82; Sept. 1, 147.58; Dec. 7, 115.86.

27-38-32bc. (C) G. M. Coffey. Drilled, unused, water-table well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 258 feet. Measuring point, top of south side of casing, 2.00 feet above lsd. Highest water level 49.66 below lsd, Nov. 29, 1940; lowest 131.57 below lsd, July 31, 1964. Records available: 1940, 1958-64. July 31, 131.57.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	101.06	100.89	99.95	99.58	100.09	100.50
Feb.	99.52	99.15	98.80	98.52	99.21	100.61
Mar.	100.10	106.22	103.60	104.17	.....	106.48
Apr.	117.73	123.7	125.9	123.4	125.2	127.2
May	128.6	128.3	124.65	126.55	116.50	111.40
June	108.98	105.20	104.0	103.4	103.1	106.8
July	110.4	116.4	121.0	127.4	129.88	130.34
Aug.	125.8	.....	.....	.....	.....	.....
Sept.	.....	120.32	117.02	121.90	120.32	114.00
Oct.	112.61	111.58	111.72	114.36	114.64	120.51
Nov.	119.81	120.76	114.10	109.72	110.55	110.50
Dec.	109.45	108.73	107.04	106.74	106.82	106.88

28-35-31cdl. (C) Magnolia Petroleum Co. Drilled, water-table industrial well in deposits of Pliocene and Pleistocene age; diameter 12-18 inches, depth 314 feet. Measuring point, hole in south side of pump base, 1.60 feet above lsd. Highest water level 213.40 below lsd, May 20, 1948; lowest 246.94 below lsd, Nov. 16, 1962. Records available: 1948, 1953, 1956, 1958-64. Feb. 24, 232.57; May 6, P; Aug. 4, P; Nov. 10, P.

28-38-4cc. (C) Herman Cockerham. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 15½ inches, depth 285 feet. Measuring point, top of angle iron on southeast side of pump, 2.40 feet above lsd. Highest water level 42.08 below lsd, July 24, 1942; lowest 112.40 below lsd, Nov. 13, 1962. Records available: 1942, 1958-60, 1962-64. Feb. 26, 69.60; Mar. 26, P; Apr. 20, P; Sept. 21, P.

28-38-7bb. (C) Mrs. Dellia Pinegar. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 284 feet. Measuring point, lower edge of cutout in north side of pump base, 0.70 foot above lsd. Highest water level 82.36 below lsd, Mar. 21, 1960; lowest 178.53 below lsd, Sept. 21, 1964. Records available: 1958-64.

Feb. 26 107.58	Apr. 20 P	Sept. 21 178.53
Mar. 17 P	June 10 123.65	Dec. 8 P
26 P	Sept. 9 160.07	29 128.20

28-38-12bc. (C) David Sullivan. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 360 feet. Measuring

point, lower edge of north side of pump base, 2.00 feet above lsd. Highest water level 48.59 below lsd, Mar. 30, 1960; lowest 121.12 below lsd, Sept. 6, 1963. Records available: 1948, 1959-60, 1962-64. Jan. 22, 70.50; Feb. 26, 71.71; Mar. 26, 78.90; Apr. 20, P.

28-38-20dcl. (C) Lyle Morris. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 352 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 82.61 below lsd, Mar. 30, 1960; lowest 162.90 below lsd, Nov. 19, 1963. Records available: 1958-60, 1962-64.

Jan. 22	106.10	Mar. 26	126.85	Sept. 21	P
Feb. 26	99.57	Apr. 20	P		

28-38-27ca. (C) W. A. Leigh. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 418 feet. Measuring point, lower edge of cutout on north side of pump, 0.70 foot above lsd. Highest water level 81.74 below lsd, Mar. 30, 1960; lowest 228.20 below lsd, Sept. 21, 1964. Records available: 1958-60, 1962-64.

Jan. 22	105.90	Mar. 26	137.05	Sept. 21	228.20
Feb. 26	99.07	Apr. 20	P	Dec. 29	120.20

28-38-31db. (C) J. T. Klepper. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 428 feet. Measuring point, hole in base of pump, 0.30 foot above lsd. Highest water level 76.28 below lsd, Mar. 30, 1960; lowest 110.10 below lsd, Mar. 26, 1964. Records available: 1959-60, 1962-64. Jan. 22, 98.20; Mar. 26, 110.10; Apr. 20, P; Dec. 29, 103.97.

28-38-32dcc. (C) Stanolind Oil and Gas Co. Drilled, water-table observation well in deposits of Pliocene and Pleistocene age and Cheyenne Sandstone; diameter 2 inches, depth 520 feet. Measuring point, top of 2-inch opening in T-joint on north side, 1.70 feet above lsd. Highest water level 82.67 below lsd, Feb. 7, 1962; lowest 177.17 below lsd, Aug. 7, 1963. Records available: 1961-64. Feb. 24, 99.65; May 18, 140.55; Aug. 4, 173.43; Nov. 10, 153.77.

28-38-35bc. Peter E. Wiebe Estate. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 382 feet. Measuring point, top hole in south side of steel pump base, 1.50 feet above lsd. Highest water level 50.00 below lsd, April 1946; lowest 176.0 below lsd, Sept. 21, 1964. Records available: 1946, 1958-60, 1962-64.

Jan. 22	93.10	Mar. 26	P	Sept. 21	176.0
Feb. 26	88.30	Apr. 20	P	Dec. 29	103.60

29-37-8cb. (C) Dan C. Sullivan. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 16 inches, depth 300 feet. Measuring point, hole in southeast side of pump, 0.65 foot above lsd. Highest water level 65.50 below lsd, Apr. 1, 1960; lowest 150.55 below lsd, Sept. 21, 1964. Records available: 1959-60, 1962-64.

Jan. 22	97.47	Mar. 26	102.31	Sept. 21	150.55
Feb. 26	93.06	Apr. 20	P	Dec. 29	109.17

29-37-22aa. (C) Earl Stein. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 16 to 12 inches, depth 280 feet. Measuring point, lower edge cutout in south side of pump, 1.30 feet above lsd. Highest water level 35.00 below lsd in 1944; lowest 151.0 feet below lsd, Sept. 21, 1964. Records available: 1944, 1959-60, 1962-64.

Jan. 22	96.3	Apr. 20	120.65	Dec. 29	103.00
Mar. 26	93.34	Sept. 21	151.0		

29-37-29bb. (C) Eugene F. Swindler. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 380 feet. Measuring point, hole in pump base, 2.29 feet above lsd. Highest water level 104.21 below lsd, Mar. 31, 1960; lowest 178.09 below lsd, Sept. 6, 1963. Records available: 1953, 1959-60, 1962-64.

Jan. 22	135.7	Mar. 26	P	Sept. 21	172.2
Feb. 26	130.87	Apr. 20	P	Dec. 29	147.51

29-37-32ccl. (C) Jesse J. Ford. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 351 feet. Measuring point, hole in north side pump base, 2.25 feet above lsd. Highest water level 96.00 below lsd, June 12, 1951; lowest 160.55 below lsd, Nov. 19, 1963. Records available: 1951, 1959-60, 1962-64.

Jan. 22	129.25	Mar. 26	P	Sept. 21	P
Feb. 26	125.25	Apr. 20	P		

29-38-5acb. (C) Stanolind Oil and Gas Co. Drilled, water-table observation well in deposits of Pliocene and Pleistocene age; diameter 2 inches, depth 420 feet. Measuring point, bottom of 2-inch hole on north side, 1.85 feet above lsd. Highest water level 87.08 below lsd, Feb. 7, 1962; lowest 189.99 below lsd, May 18, 1964. Records available: 1961-64. May 18, 189.99; Aug. 4, 187.15; Nov. 10, 160.15.

29-38-8cc. (C) James T. Klepper. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 487 feet. Measuring point, lower edge of cutout in north side of pump, 0.70 foot above lsd. Highest water level 87.84 below lsd, Apr. 1, 1960; lowest 161.20 below lsd, Nov. 19, 1963. Records available: 1958-60, 1962-64. Jan. 22, P; Mar. 26, P; Apr. 20, P; Dec. 29, 118.95.

30-37-2ba2. (C) Lawrence E. Steen. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 480 feet. Measuring point, hole in south side of pump base, 1.30 feet above lsd. Highest water level 153.74 below lsd, Mar. 31, 1960; lowest 265.2 below lsd, Sept. 21, 1964. Records available: 1957-60, 1962-64.

Jan. 24	213.03	Mar. 26	236.24	Sept. 21	265.2
Feb. 26	202.10	Apr. 20	P	Dec. 29	218.73

30-37-10dc. (C) Tacy Marie Holliday and Henrietta Spencer. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 to 12 inches, depth 395 feet. Measuring point, hole in east side of pump, 0.10 foot above lsd. Highest water level 147.66 below lsd, Mar. 31, 1960; lowest 191.88 below lsd, Dec. 24, 1963. Records available: 1958-60, 1962-64.

**GRANT COUNTY—concluded.**

Jan. 22	169.55	Mar. 26	P	Dec. 29	174.06
Feb. 26	168.90	Apr. 20	177.04		

30-37-20cb. (C) J. H. Lewis. Drilled, water-table irrigation well in deposits of Pleistocene age; 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 165.26 below lsd, Oct. 7, 1964. Records available: 1941, 1952-64. Jan. 7, 154.74; Apr. 6, P; July 28, P; Oct. 7, 165.26.

30-38-13cl. (C) Lawrence Hennigh. Drilled, water-table irrigation well in deposits of Triassic, Pliocene, and Pleistocene ages; diameter 16 inches, depth 560 feet. Measuring point, hole in northeast corner of pump, 0.30 foot above lsd. Highest water level 118.58 below lsd, Jan. 22, 1963; lowest 225.00 below lsd, Mar. 7, 1957. Records available: 1957, 1959-60, 1962-64.

Jan. 22	P	Apr. 20	P	Dec. 29	151.30
Mar. 26	P	Sept. 21	P		

**GRAY COUNTY**

3a. (C) N. A. Mans. NE SW NW sec. 7, T 28 S, R 27 W. Drilled, unused, water-table well in Ogallala Formation and deposits of Pleistocene age; diameter 5 inches, depth 206 feet. Measuring point, hole in east side of pump base, 0.35 foot above lsd. Highest water level 157.62 below lsd, June 8, 1964; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-64. Mar. 4, 157.80; June 8, 157.62; Sept. 14, 157.66; Dec. 14, 157.81.

24-28-36ac. (C) Art Schartz. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 135 feet. Measuring point, pump base, 0.9 foot above lsd. Highest water level 83.23 below lsd, July 15, 1964; lowest 85.06 below lsd, July 13, 1960. Records available: 1956, 1959-64. Jan. 13, 83.36; Apr. 7, 83.49; July 15, 83.23; Oct. 13, 83.30.

26-29-7cb. (C) C. M. Davis. Drilled, unused, water-table stock well in deposits of Pleistocene age; diameter 6 inches, depth 101 feet. Measuring point, top of clamp south edge of north pipe, 1.00 foot above lsd. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.89 below lsd, May 22, 1940. Records available: 1939-41, 1953-64. Mar. 4, 80.95.

27-27-9bb. (C) Donald Culver. Drilled, artesian irrigation well in Ogallala Formation; diameter 20 inches, depth 102 feet. Measuring point, upper edge of hole in east side of pump, 0.5 foot above lsd. Highest water level 73.95 below lsd, Jan. 13, 1964; lowest 75.06 below lsd, Jan. 15, 1962. Records available: 1960-64. Jan. 13, 73.95.

27-29-1aa. (C) Pete Breitenbach. Drilled, unused, artesian domestic well in Ogallala Formation; diameter 2 inches, depth 83 feet. Measuring point, top of pipe, south side, 5.0 feet above lsd. Highest water level 71.80 below lsd, Mar. 4, 1964; lowest 72.60 below lsd, Dec. 12, 1962. Records available: 1960-64. Mar. 4, 71.80.

27-30-10dc. (C) M. D. Frazier. Drilled, unused, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 120 feet. Measuring point since Dec. 14, 1964, top of casing, 0.4 foot above lsd. Highest water level 53.92 below lsd, Apr. 30, 1959; lowest 63.20 below lsd, Dec. 5, 1940. Records available: 1940, 1959-64.

Jan. 13, 57.12; June 8, 58.10; Sept. 14, 58.75; Dec. 14, 58.69.

28-30-17bb. (C) Earl A. Nelson. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 300 feet. Measuring point, upper edge of hole in south side of pump, 0.8 foot above lsd. Highest water level 107.05 below lsd, Jan. 6, 1959; lowest 113.05 below lsd, Dec. 14, 1964. Records available: 1959-64. Jan. 13, 109.69; June 8, 110.24; Sept. 14, P; Dec. 14, 113.05.

28-30-24ba. (C) Allen Isaac. Drilled, water-table irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 16 inches, depth 242 feet. Measuring point, top edge of hole in south side of pump head, 0.80 foot above lsd. Highest water level 115.37 below lsd, Apr. 2, 1962; lowest 129.16 below lsd, June 8, 1964. Records available: 1961-64. Mar. 4, P; June 8, 129.16; Sept. 14, P; Dec. 14, 124.02.

29-28-28cd. (C) Delbert McCune. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 149 feet. Measuring point, hole in southwest side of pump base, 1.00 foot above lsd. Highest water level 87.60 below lsd, Apr. 18, 1960; lowest 93.85 below lsd, Sept. 14, 1964. Records available: 1959-64. Mar. 4, 91.18; June 8, 92.39; Sept. 14, 93.85; Dec. 14, 92.82.

29-29-10bb. (C) Walter Schmidt. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 151 feet. Measuring point, hole in south side of pump base, 1.5 feet above lsd. Highest water level 85.38 below lsd, Jan. 6, 1960; lowest 97.28 below lsd, Dec. 14, 1964. Records available: 1959-64. Mar. 4, 87.93; June 8, 95.85; Sept. 14, P; Dec. 14, 97.28.

**GREELEY COUNTY**

16-39-33cc. (C) Robert Hoard. Domestic and stock well in Ogallala Formation; diameter 6 inches, depth 106 feet. Measuring point, top board covering casing, 0.80 foot above lsd. Highest water level 72.88 below lsd, Sept. 5, 1962; lowest 75.78 below lsd, Sept. 8, 1964. Records available: 1959-64. Mar. 18, 73.62; June 9, 73.57; Sept. 8, 75.78; Dec. 16, 73.62.

16-41-20ba. (C) J. Howell. Drilled, water-table stock well in Ogallala Formation; diameter 6 inches, depth 150 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 127.96 below lsd, Jan. 6, 1949; lowest 135.13 below lsd, Dec. 6, 1963. Records available: 1947-64. Mar. 18, 133.95; June 9, 133.50; Sept. 8, 134.25; Dec. 16, 134.82.

17-40-15cc. (C) Joe E. Smith. Drilled irrigation well in Ogallala Formation; diameter 18 inches, depth 200 feet. Measuring point, hole in east side of pump base, 0.40 foot above lsd. Highest water level 125.16 below lsd, Nov. 5, 1962; lowest 131.20 below lsd, Dec. 6, 1963. Records available: 1962-64. Mar. 18, 126.20; June 9, 126.24; Sept. 8, P; Dec. 16, 130.57.

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: 1954-64. Feb. 3, 193.88; May 13, P.

**HAMILTON COUNTY**

2a. (C) Chester Huser. NE NE 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 con-



crete curb, 1.31 feet above lsd. Highest water level 11.33 below lsd, June 14, 1962; lowest 18.79 below lsd, Sept. 17, 1964. Records available: 1944-64.

Jan. 16	14.56	Mar. 19	14.27	Sept. 17	18.79
Feb. 27	14.48	June 25	13.68	Dec. 23	16.07

6. (C) Belle Heinien. SW SW SE sec. 24, T 24 S, R 39 W. Drilled, unused, water-table well in Dakota Formation; diameter 5 inches, depth 98 feet. Measuring point, top south side of casing, at land surface. Highest water level 22.97 below lsd, Sept. 5, 1958; lowest 56.40 below lsd, July 23, 1954. Records available: 1939-64.

Jan. 8	52.77	Mar. 12	51.91	Dec. 23	52.39
Feb. 27	52.06	Sept. 17	51.80		

24-40-8cc. (C) Mildred E. Lindsey. Drilled, water-table irrigation well in alluvial sands; diameter 18 inches, depth 34 feet. Measuring point, top edge of 2 x 6 board on top of tile well house wall, 3.00 feet above lsd. Highest water level 13.10 below lsd, June 14, 1962; lowest 16.71 below lsd, Aug. 22, 1963. Records available: 1962-64.

Jan. 8	14.21	Mar. 12	14.59	Sept. 24	15.74
Feb. 27	14.09	June 25	14.02	Dec. 23	14.82

26-40-18ba. (C) M. Williamson. Drilled stock well in Dakota Formation; diameter 6 inches, depth 133 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, 1959-64. Jan. 8, 111.07.

26-42-17cb. (C) Marion Weckerly. Drilled irrigation well in sandstone of Cretaceous age and sand and gravel of Neogene age; diameter 16 inches, depth 749 feet. Measuring point, hole in pump base, at land surface. Highest water level 100\* below lsd, Feb. 6, 1960; lowest 118.88 below lsd, Nov. 4, 1964. Records available: 1960-64.

1960		1963	
Feb. 6	100*	Sept. 19	106.46
Oct. 2	116.97	1962	Feb. 19
1961		1964	104.2
Jan. 31	104.17†	Feb. 1	103.72
		Nov. 4	118.88‡
		Dec. 8	112.89

\* Reported measurement.  
 † Well pumping 1 mile south.  
 ‡ Well pumping 1/2 mile north.

26-42-22cd. (C) Harold Payne. Drilled, artesian irrigation 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 99.46 below lsd, Sept. 26, 1963. Records available: 1959-64. Mar. 26, 92.92; June 26, P; Sept. 24, P; Dec. 8, P.

**HARPER COUNTY**

32-7-11cdd. (C) City of Anthony. Bored observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 53 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 11.53 below lsd,

Aug. 27, 1961; lowest 22.97 below lsd, Oct. 31, 1964. Records available: 1956-64.

June 1	21.13	Sept. 7	22.47	Oct. 31	22.97
July 6	21.13	Oct. 1	22.80	Dec. 1	21.22
Aug. 3	22.05				

32-7-12ccbl. (C) City of Anthony. Drilled observation well in terrace deposits of Pleistocene age; diameter 2 inches, depth 60 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 22.50 below lsd, Oct. 15, 1954; lowest 36.79 below lsd, Oct. 28, 1956. Records available: 1954-64.

June 1	33.25	Sept. 7	35.58	Oct. 31	35.50
July 6	34.33	Oct. 1	35.50	Dec. 1	35.50
Aug. 3	35.17				

**HARVEY COUNTY**

101. (C) City of Wichita. NW NW sec. 18, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 75 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 26.30 below lsd, July 2, 1962; lowest 38.46 below lsd, Aug. 31, 1956. Records available: 1954-64.

Jan. 2	30.82	June 30	30.87	Dec. 1	32.09
Mar. 31	30.85	Oct. 1	32.32	31	31.49

102. (C) City of Wichita. NE NE sec. 24, T 23 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1954-64.

Jan. 2	30.69	June 30	29.87	Dec. 1	30.60
Mar. 31	29.41	Oct. 1	30.45	31	30.70

103. (C) City of Wichita. SW SW sec. 19, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 73 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 24.13 below lsd, July 31, 1961; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-64.

Jan. 2	29.60	June 30	28.50	Dec. 1	28.86
Mar. 31	27.62	Oct. 1	28.59	31	29.40

104. (C) City of Wichita. NW NW sec. 23, T 23 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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, July 31, 1962; lowest 27.77 below lsd, Nov. 1, 1956. Records available: 1954-64.

Jan. 2	21.31	June 30	21.45	Dec. 1	22.59
Mar. 31	21.80	Oct. 1	22.42	31	21.98

## HARVEY COUNTY—continued.

105. (C) City of Wichita. SE SE sec. 18, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.90 below lsd, July 2, 1962; lowest 31.58 below lsd, Aug. 31, 1956. Records available: 1954-64.

Jan. 2	23.76	June 30	23.07	Dec. 1	23.30
Mar. 31	22.96	Oct. 1	23.72	31	23.14

106. (C) City of Wichita. NW NW sec. 36, T 23 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 22.73 below lsd, Sept. 29, 1960; lowest 27.68 below lsd, Aug. 31, 1956. Records available: 1954-64.

Jan. 2	25.01	June 30	25.37	Dec. 1	26.26
Mar. 31	24.97	Oct. 1	25.97	31	26.15

107. (C) City of Wichita. NW SW sec. 3, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 33.03 below lsd, Feb. 1, 1961; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-64.

Jan. 2	36.15	June 30	38.90	Dec. 1	39.12
Mar. 31	36.94	Oct. 1	40.00	31	38.90

108. (C) City of Wichita. NW NW sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.06 below lsd, July 27, 1954; lowest 13.22 below lsd, Apr. 1, 1957. Records available: 1954-64.

Jan. 2	11.43	June 30	12.26	Dec. 1	12.83
Mar. 31	12.06	Oct. 1	12.60	31	12.87

109. (C) City of Wichita. NE cor. sec. 22, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.76 below lsd, Oct. 2, 1958; lowest 15.38 below lsd, Dec. 31, 1964. Records available: 1954-64.

Jan. 2	13.91	June 30	14.82	Dec. 1	15.35
Mar. 31	14.45	Oct. 1	15.36	31	15.38

110. (C) City of Wichita. SW cor. sec. 25, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.85 below lsd, July 31, 1961; lowest 10.36 below lsd, Mar. 1, 1957. Records available: 1954-64.

Jan. 2	9.04	June 30	9.62	Dec. 1	9.36
Mar. 31	9.49	Oct. 1	10.11	31	9.45

111. (C) City of Wichita. SE cor. sec. 2, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 9.45 below lsd, July 31, 1962; lowest 20.12 below lsd, Oct. 1, 1956. Records available: 1954-64.

Jan. 2	13.87	June 30	14.48	Dec. 1	14.24
Mar. 31	14.37	Oct. 1	15.30	31	14.07

112. (C) City of Wichita. SE cor. sec. 25, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.09 below lsd, Aug. 30, 1962; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-64.

Jan. 2	15.72	June 30	17.02	Dec. 1	17.35
Mar. 31	16.32	Oct. 1	17.65	31	17.30

113. (C) City of Wichita. NW cor. sec. 29, T 24 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.97 below lsd, July 31, 1962; lowest 23.90 below lsd, Mar. 1, 1957. Records available: 1954-64.

Jan. 2	18.45	June 30	19.12	Dec. 1	18.12
Mar. 31	19.05	Oct. 1	19.13	31	18.17

118. (C) City of Wichita. SE cor. sec. 27, T 23 S, R 2 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 7.78 below lsd, July 1, 1957; lowest 19.69 below lsd, Oct. 1, 1956. Records available: 1955-64.

Jan. 2	14.53	June 30	14.65	Dec. 1	15.00
Mar. 31	14.84	Oct. 1	15.50	31	14.96

119. (C) City of Wichita. NW cor. sec. 6, T 24 S, R 1 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 25.47 below lsd, July 31, 1962; lowest 36.76 below lsd, Oct. 1, 1956. Records available: 1955-64.

Jan. 2	31.74	June 30	32.32	Dec. 1	32.52
Mar. 31	32.08	Oct. 1	32.95	31	32.21

120. (C) City of Wichita. SE cor. sec. 1, T 24 S, R 2 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 11.35 below lsd, July 2, 1962; low-

est 23.00 below lsd, Oct. 1, 1956. Records available: 1955-64.

Jan. 2	18.10	June 30	18.85	Dec. 1	18.15
Mar. 31	18.75	Oct. 1	18.99	31	17.92

121. (C) City of Wichita. SW cor. sec. 5, T 24 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 81 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 38.62 below lsd, July 2, 1962; lowest 54.18 below lsd, May 31, 1956. Records available: 1955-64.

Jan. 2	49.21	June 30	49.80	Dec. 1	49.05
Mar. 31	49.63	Oct. 1	49.65	31	48.47

122. (C) City of Wichita. NW cor. sec. 18, T 24 S, R 1 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.99 below lsd, June 1, 1962; lowest 23.01 below lsd, Oct. 1, 1956. Records available: 1955-64.

Jan. 2	19.25	June 30	19.30	Dec. 1	18.76
Mar. 31	19.58	Oct. 1	19.72	31	18.82

123. (C) City of Wichita. SE cor. sec. 7, T 24 S, R 1 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 43 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.84 below lsd, May 1, 1957; lowest 38.54 below lsd, Dec. 31, 1956. Records available: 1955-64.

Jan. 2	32.58	June 30	33.13	Dec. 1	32.38
Mar. 31	33.22	Oct. 1	33.40	31	30.65

506 (C) W. G. Backhaus. NW NE sec. 28, T 23 S, R 2 W. Drilled, water-table observation 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: 1938-64.

Jan. 2	15.50	June 30	15.52	Dec. 1	15.96
Mar. 31	15.95	Oct. 1	16.61	31	15.75

507. (C) W. G. Backhaus. NW NE sec. 28, T 23 S, R 2 W. Driven, unused water-table well in sand of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 3.23 below lsd, May 6, 1944; lowest 21.32 below lsd, Aug. 31, 1956. Records available: 1938-64.

Jan. 2	13.32	June 30	15.41	Dec. 1	14.82
Mar. 31	14.40	Oct. 1	15.33	31	14.35

736. (C) I. Ansel, Jr. SE SW SE sec. 12, T 23 S, R 3 W. Driven, water-table domestic well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 33 feet. Measuring point, base of pitcher pump, 4.70 feet

above lsd. Highest water level 0.84 below lsd, July 2, 1962; lowest 12.81 below lsd, Dec. 31, 1956. Records available: 1950-64.

Jan. 2	7.72	June 30	7.78	Dec. 1	8.35
Mar. 31	8.19	Oct. 1	8.33	31	8.25

817. (C) City of Wichita. NW cor. sec. 1, T 24 S, R 2 W. Driven, water-table observation well in sand of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 21.46 below lsd, Oct. 1, 1956. Records available: 1938-64.

Jan. 2	16.95	June 30	17.45	Dec. 31	17.30
Mar. 31	17.26	Dec. 1	17.47		

821. (C) City of Wichita. NW cor. sec. 6, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 29.93 below lsd, Apr. 1, 1957. Records available: 1938-64.

Jan. 2	27.69	June 30	28.20	Dec. 1	29.15
Mar. 31	27.79	Oct. 1	29.00	31	29.03

824. (C) City of Wichita. SE SE sec. 22, T 24 S, R 1 W. Driven, water-table observation well in sand of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 3.60 below lsd, June 1, 1951; lowest 19.87 below lsd, Oct. 1, 1956. Records available: 1938-64.

Jan. 2	13.15	June 30	9.86	Dec. 1	8.08
Mar. 31	13.53	Oct. 1	10.15	31	8.44

832. (C) City of Wichita. NE cor. sec. 19, T 24 S, R 1 W. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 129 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.36 below lsd, May 31, 1962; lowest 24.85 below lsd, Dec. 31, 1956. Records available: 1938-49, 1955-64.

Jan. 2	19.21	June 30	19.65	Dec. 1	19.00
Mar. 31	19.70	Oct. 1	20.53	31	19.02

833. (C) T. B. Burrows. SW SW sec. 19, T 24 S, R 1 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 25.23 below lsd, Mar. 1, 1957. Records available: 1938-64.

Jan. 2	16.90	June 30	18.00	Dec. 1	17.60
Mar. 31	17.58	Oct. 1	18.30	31	17.63

839. (C) City of Wichita. NE NE sec. 35, T 24 S, R 2 W. Drilled, water-table observation well in sand of Pleistocene age; diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.62

**HARVEY COUNTY—continued.**

below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-64.

Mar. 31	22.86	Oct. 1	24.47	Dec. 31	24.32
June 30	23.77	Dec. 1	24.26		

853. (C) City of Wichita. NW cor. sec. 13, T 24 S, R 2 W. Drilled, water-table observation well in sand of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.82 below lsd, Oct. 2, 1951; lowest 21.86 below lsd, Mar. 1, 1957. Records available: 1938-64.

Mar. 31	14.21	Oct. 1	14.90	Dec. 31	14.12
June 30	14.58	Dec. 1	14.16		

854. (C) City of Wichita. SW SW sec. 23, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1938-64.

Mar. 31	12.68	Oct. 1	13.54	Dec. 31	13.07
June 30	12.22	Dec. 1	13.05		

855a. Listed under Reno County.

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, 1954-64.

Mar. 31	36.63	Oct. 1	37.75	Dec. 31	37.70
June 30	37.35	Dec. 1	38.09		

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 62.82 below lsd, Mar. 29, 1962. Records available: 1939-49, 1954-64.

Mar. 31	45.40	Oct. 1	45.55	Dec. 31	43.40
June 30	49.33	Dec. 1	45.42		

875. (C) A. B. Havelly. SE cor. sec. 17, T 23 S, R 3 W. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.70 foot 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: 1939-64.

Mar. 31	1.34	Oct. 1	2.76	Dec. 31	2.35
June 30	1.74	Dec. 1	2.68		

876. (C) A. B. Havelly. SE cor. sec. 17, T 23 S, R 3 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 246 feet. Measuring point, top of instrument shelf, 2.70 feet above lsd. Highest water level 13.07 below lsd, Dec. 1, 1964; lowest 32.83 below lsd, Apr. 2, 1957. Records available: 1939-64. Mar. 31, 25.04; June 30, 25.19; Oct. 1, 25.88; Dec. 1, 13.07.

877. (C) A. B. Havelly. SE cor. sec. 17, T 23 S, R 3 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 6 inches, depth 47 feet. Measuring point, top of plate on instrument shelf, 3.40 feet above lsd. Highest water level 8.50 below lsd, Jan. 2, 1959; lowest 19.21 below lsd, Sept. 5, Oct. 5, 1956. Records available: 1939-64. Mar. 31, 11.51; June 30, 11.64; Oct. 1, 12.93; Dec. 1, 13.25.

878. (C) C. Cadwell. SE cor. sec. 1, T 24 S, R 3 W. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 16.25 below lsd, June 3, 1940; lowest 39.08 below lsd, Sept. 1, 1959. Records available: 1938-64.

Mar. 31	32.86	Oct. 1	33.87	Dec. 31	34.25
June 30	33.20	Dec. 1	34.12		

879. (C) C. Cadwell. SE cor. sec. 1, T 24 S, R 3 W. Drilled, unused, water-table well in sand of Pleistocene age; diameter 1¼ inches, depth 241 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 40.59 below lsd, Oct. 30, 1959. Records available: 1938-64.

Mar. 31	37.81	Oct. 1	39.79	Dec. 31	39.22
June 30	38.55	Dec. 1	39.99		

880. (C) Peter Miller. SE SE sec. 11, T 24 S, R 3 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 17 (corrected 1964) 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, June 30, Oct. 1, Dec. 1, 31, 1964. Records available: 1938-64.

Mar. 31	16.67	Oct. 1	dry	Dec. 31	dry
June 30	dry	Dec. 1	dry		

881. (C) Peter Miller. SE SE sec. 11, T 24 S, R 3 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 55 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 19.80 below lsd, Oct. 1, 1964. Records available: 1938-64.

Mar. 31	15.91	Oct. 1	19.80	Dec. 31	18.70
June 30	18.12	Dec. 1	19.65		

884. (C) Maggie Holle. NW cor. sec. 26, T 24 S, R 2 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 38.30 below lsd, May 1, 1957. Records available: 1939-64.

Mar. 31	27.80	Oct. 1	30.57	Dec. 31	26.76
June 30	29.23	Dec. 1	29.40		

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 1¼ inches, depth 99 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.22 below lsd, Aug. 21, 1939; lowest 39.70 below lsd, May 1, 1957. Records available: 1939-64.

Mar. 31	27.88	Oct. 1	31.95	Dec. 31	26.61
June 30	30.58	Dec. 1	29.47		

886. (C) F. H. Haiber. NE cor. NW sec. 16, T 24 S, R 2 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.34 below lsd, Aug. 21, 1939; lowest 31.86 below lsd, Aug. 1, 1956. Records available: 1939-64.

Jan. 24	23.30	June 26	23.66	Oct. 26	24.65
Feb. 25	22.83	July 24	26.08	Nov. 25	24.38
Mar. 25	24.02	Aug. 26	24.70	Dec. 1	24.68
Apr. 24	23.52	Sept. 25	24.67	24	25.38
May 25	24.49	Oct. 1	25.68	31	25.27

887. (C) F. H. Haiber. NE cor. NW sec. 16, T 24 S, R 2 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Mar. 31	25.50	Oct. 1	27.83	Dec. 31	26.08
June 30	24.75	Dec. 1	25.71		

888. (C) C. K. Ellis. NW cor. sec. 17, T 23 S, R 2 W. Drilled, unused, water-table well in sand of Pleistocene age; diameter 1¼ 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: 1939-64.

Mar. 31	5.87	Oct. 1	8.39	Dec. 31	5.30
June 30	5.62	Dec. 1	6.37		

889. (C) C. K. Ellis. NW cor. sec. 17, T 23 S, R 2 W. Drilled, unused, water-table well in sand of Pleistocene age; 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: 1939-64.

Mar. 31	8.75	Oct. 1	9.90	Dec. 31	8.85
June 30	8.78	Dec. 1	9.13		

890a. (C) J. F. Jorgenson. NE cor. SE SE 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 3.68 below lsd, July 31, 1962; lowest 9.94 below lsd, Nov. 1, 1956. Records available: 1954-64.

Mar. 31	7.25	Oct. 1	8.86	Dec. 31	7.85
June 30	7.66	Dec. 1	7.90		

891. (C) Arthur McMurry. SE SE 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: 1939-64.

Mar. 31	3.97	Oct. 1	4.60	Dec. 31	3.72
June 30	4.42	Dec. 1	3.67		

892. (C) Arthur McMurry. SE SE 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: 1939-64.

Mar. 31	3.29	Oct. 1	3.92	Dec. 31	3.08
June 30	3.69	Dec. 1	3.04		

893. (C) Arthur McMurry. SE SE 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: 1939-64.

Mar. 31	3.06	Oct. 1	3.70	Dec. 31	2.90
June 30	3.42	Dec. 1	2.87		

894. (C) H. A. Lawrence, NE NE sec. 18, T 24 S, R 2 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1938-64.

Mar. 31	29.25	Oct. 1	30.72	Dec. 31	30.93
June 30	29.84	Dec. 1	30.70		

1053-B. (C) J. H. Workentine. SW NE NW sec. 16, T 23 S, R 3 W. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of 1¼-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: 1950-64.

Mar. 31	12.05	Oct. 1	12.90	Dec. 31	12.45
June 30	10.74	Dec. 1	12.77		

1173. (C) City of Wichita. NE cor. sec. 29, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.64 below lsd, July 9, 1951; lowest 24.25 below lsd, May 31, 1957. Records available: 1950-64.

HARVEY COUNTY—*continued.*

Mar. 31	22.61	Oct. 1	23.64	Dec. 31	24.03
June 30	23.02	Dec. 1	23.68		

1174. (C) City of Wichita. SW cor. sec. 32, T 24 S, R 1 W. Driven observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.28 below lsd, May 1, 1945; lowest 22.73 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1940-49, 1954-64. June 30, 15.59; Oct. 1, 15.36; Dec. 1, 14.52; Dec. 31, 14.71.

1175. (C) City of Wichita. SE cor. sec. 30, T 24 S, R 1 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.80 below lsd, July 9, 1951; lowest 20.50 below lsd, May 1, 1957. Records available: 1950-64.

Mar. 31	14.77	Oct. 1	14.65	Dec. 31	13.76
June 30	14.96	Dec. 1	13.64		

1179. (C) City of Wichita. SE NW SE sec. 33, T 24 S, R 1 W. Driven, water-table observation 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: 1950-64.

Mar. 31	18.58	Oct. 1	18.66	Dec. 31	17.99
June 30	18.30	Dec. 1	17.85		

1186. (C) City of Wichita. SW cor. sec. 13, T 24 S, R 2 W. Driven, water-table observation 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: 1941-64.

Mar. 31	15.94	Oct. 1	16.87	Dec. 31	16.58
June 30	16.58	Dec. 1	16.42		

1187. (C) City of Wichita. NW cor. sec. 19, T 24 S, R 1 W. Driven, water-table observation 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: 1941-64.

Mar. 31	12.83	Oct. 1	12.79	Dec. 31	11.70
June 30	12.84	Dec. 1	11.38		

1189. (C) City of Wichita. SW cor. sec. 16, T 24 S, R 2 W. Driven, water-table observation 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, 1949-64.

Mar. 31	21.57	Oct. 1	23.43	Dec. 31	23.50
June 30	22.61	Dec. 1	23.25		

1190. (C) City of Wichita. NE NE sec. 15, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 14.14 below lsd, July 9, 1951; lowest 32.99 below lsd, May 1, 1957. Records available: 1950-64.

Mar. 31	24.41	Oct. 1	25.62	Dec. 31	25.60
June 30	24.93	Dec. 1	25.74		

1191. (C) City of Wichita. SW cor. sec. 27, T 23 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.12 below lsd, July 3, 1957; lowest 19.63 below lsd, Aug. 31, 1956. Records available: 1950-64.

Mar. 31	14.03	Oct. 1	15.23	Dec. 31	14.32
June 30	13.96	Dec. 1	14.51		

1193. (C) J. W. McElwain. SE NE NE sec. 24, T 23 S, R 3 W. Driven, water-table stock well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, bottom valve seat of pump, 2.35 feet above lsd. Highest water level 2.06 below lsd, May 31, 1962; lowest 11.68 below lsd, June 28, 1950. Records available: 1950-64.

Mar. 31	7.19	Oct. 1	7.63	Dec. 31	7.03
June 30	6.90	Dec. 1	7.31		

1194. (C) Byron Wood. NE SW SW sec. 14, T 23 S, R 3 W. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 21 feet. Measuring point, bottom valve seat of pump, 2.19 feet above lsd. Highest water level 1.09 below lsd, July 2, 1962; lowest 12.67 below lsd, Aug. 1, 1956. Records available: 1941, 1950, 1952-64.

Mar. 31	7.77	Oct. 1	7.33	Dec. 31	6.53
June 30	6.72	Dec. 1	6.54		

1196. (C) Maggie Vollwieder. SE cor. sec. 27, T 24 S, R 3 W. Driven, water-table stock well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 19 feet. Measuring point, lower check valve, 2.10 feet above lsd. Highest water level 2.17 below lsd, June 3, 1952; lowest 7.86 below lsd, Dec. 28, 1957. Records available: 1941, 1952-64.

Mar. 31	5.97	Oct. 1	6.70	Dec. 31	6.05
June 30	6.12	Dec. 1	6.15		

2072. (C) Peter Hoops and others. NE NW 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: 1941-64.

Mar. 31	39.20	Oct. 1	39.97	Dec. 31	40.07
June 30	38.92	Dec. 1	40.44		

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: 1950-64.

Mar. 31	20.47	Oct. 1	21.15	Dec. 31	20.97
June 30	20.70	Dec. 1	20.91		

2088. (C) City of Wichita. NW cor. sec. 22, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.70 below lsd, Apr. 28, 1944; lowest 25.79 below lsd, Mar. 1, 1957. Records available: 1944-46, 1949-64.

Mar. 31	17.28	Oct. 1	18.33	Dec. 31	17.90
June 30	17.88	Dec. 1	17.55		

3001. (C) City of Wichita. SW SW sec. 30, T 23 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1951-64.

Mar. 31	27.23	Oct. 1	28.30	Dec. 31	28.53
June 30	27.74	Dec. 1	28.62		

3002. (C) City of Wichita. SW SW SE sec. 30, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1950-64.

Mar. 31	9.12	Oct. 1	10.00	Dec. 31	9.64
June 30	9.53	Dec. 1	9.62		

3003. (C) City of Wichita. SW SE SE sec. 32, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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. Records available: 1950-64.

Mar. 31	9.39	Oct. 1	9.66	Dec. 31	8.97
June 30	9.58	Dec. 1	8.85		

3005. (C) Sally McFarland and others. SE SW sec. 28, T 23 S, R 2 W. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 63 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 39.27 below lsd, July 31, 1961; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-64.

Mar. 31	45.16	Oct. 1	46.60	Dec. 31	45.95
June 30	47.96	Dec. 1	46.23		

3031. (C) City of Wichita. NE cor. sec. 24, T 24 S, R 3 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1950-64.

Mar. 31	19.51	Oct. 1	20.44	Dec. 31	20.60
June 30	19.82	Dec. 1	20.75		

3032. (C) City of Wichita. SW cor. sec. 24, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1950-64.

Mar. 31	22.19	Oct. 1	22.11	Dec. 31	22.13
June 30	22.12	Dec. 1	22.13		

3033. (C) City of Wichita. SW cor. sec. 2, T 24 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 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: 1950-64.

Mar. 31	21.33	Oct. 1	23.79	Dec. 31	21.30
June 30	21.97	Dec. 1	22.60		

3034. (C) City of Wichita. SW SW sec. 28, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 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: 1950-64.

Mar. 31	6.11	Oct. 1	7.19	Dec. 31	6.34
June 30	6.50	Dec. 1	6.52		

3035. (C) City of Wichita. SE SE sec. 34, T 23 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 28 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 8.16 below lsd, Nov. 1, 1950; lowest 20.77 below lsd, Apr. 2, 1957. Records available: 1950-64.

Mar. 31	17.69	Oct. 1	18.50	Dec. 31	18.73
June 30	18.08	Dec. 1	18.66		

3036. (C) City of Wichita. SE SW SE sec. 23, T 23 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 40 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 34.69 below lsd, Apr. 1, 1959. Records available: 1950-64.

## HARVEY COUNTY—continued.

Mar. 31	29.47	Oct. 1	30.43	Dec. 31	30.55
June 30	29.75	Dec. 1	30.83		

3037. (C) City of Wichita. NE NW NE sec. 5, T 24 S, R 2 W. Drilled, water-table observation 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: 1950-64.

Mar. 31	44.32	Oct. 1	46.00	Dec. 31	45.03
June 30	46.75	Dec. 1	45.53		

3038. (C) Sally McFarland and others. SE SW SW sec. 33, T 23 S, R 2 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1½ 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: 1950-64.

Mar. 31	41.83	Oct. 1	44.25	Dec. 31	43.02
June 30	43.90	Dec. 1	43.33		

3039. (C) George Lehman. SW SE sec. 34, T 23 S, R 2 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1950-64.

Mar. 31	11.88	Oct. 1	13.09	Dec. 31	12.21
June 30	11.82	Dec. 1	12.42		

M-1.\* (C) City of Wichita. NW cor. sec. 29, T 23 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan. 2	73.00Pm	July 31	76.50Pm
31	36.00	Sept. 1	76.00Pm
Mar. 2	74.50Pm	Oct. 1	37.00
Apr. 1	35.50	Nov. 2	76.00Pm
May 1	74.00Pm	Dec. 1	37.00
June 1	74.50Pm	31	37.00
July 1	37.00		

M-1b. (C) City of Wichita. NW cor. sec. 29, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69

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

feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 15.94 below lsd, June 3, 1940; lowest 42.74 below lsd, July 31, 1964. Records available: 1939-64.

Jan. 2	40.23Pc	July 31	42.74Pc
31	30.96	Sept. 1	40.80Pc
Mar. 2	40.45Pc	Oct. 1	31.50
Apr. 1	30.82	Nov. 2	41.04Pc
May 1	40.17Pc	Dec. 1	31.25
June 1	40.65Pc	31	31.30
July 1	32.08		

M-2r. (C) City of Wichita. NW SW sec. 29, T 23 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 231 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 40.00 below lsd, Nov. 1, 1960; lowest 92.00 below lsd, Jan. 31, Oct. 31, 1964. Records available: 1960-64.

Jan. 2	45.50	July 31	54.00
31	92.00Pm	Sept. 1	50.00
Mar. 2	47.50	Oct. 1	92.00Pm
Apr. 1	91.00Pm	Nov. 2	48.00
May 1	48.00	Dec. 1	90.50Pm
June 1	48.00	31	49.50
July 1	53.50		

M-2b. (C) City of Wichita. NW SW sec. 29, T 23 S, R 2 W. Drilled, water-table observation 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: 1939-64.

Jan. 2	43.75	July 31	46.69
31	41.31Pc	Sept. 1	43.73
Mar. 2	44.02	Oct. 1	41.18Pc
Apr. 1	42.09Pc	Nov. 2	43.23
May 1	42.89	Dec. 1	40.94Pc
June 1	44.90	31	41.70
July 1	44.15		

M-3. (C) City of Wichita. SE SE sec. 30, T 23 S, R 2 W. Drilled, water-table public-supply 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 112.50 below lsd, July 1, 1964. Records available: 1939-64.

Jan. 2	105.50Pm	July 31	50.50
31	51.50	Sept. 1	48.00
Mar. 2	105.00Pm	Oct. 1	49.50
Apr. 1	110.00Pm	Nov. 2	47.00
May 1	47.00	Dec. 1	50.00
June 1	108.50Pm	31	112.00Pm
July 1	112.50Pm		

M-3b. (C) City of Wichita. SE SE sec. 30, T 23 S, R 2 W. Drilled, water-table observation 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; low-



est 56.09 below lsd, Aug. 1, 1957. Records available: 1939-64.

Jan. 2	47.60Pc	July 31	49.82
31	46.60	Sept. 1	46.96
Mar. 2	47.88Pc	Oct. 1	46.54
Apr. 1	48.26Pc	Nov. 2	46.02
May 1	45.95	Dec. 1	46.32
June 1	48.93Pc	31	47.93Pc
July 1	50.91Pc		

M-4. (C) City of Wichita. SE SE SW sec. 29, T 23 S, R 2 W. Drilled, water-table public-supply 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 127.00 below lsd, July 1, 1964. Records available: 1939-64.

Jan. 2	45.50	July 31	120.50Pm
31	48.00	Sept. 1	126.50Pm
Mar. 2	45.00	Oct. 1	47.00
Apr. 1	47.00	Nov. 2	46.00
May 1	120.00Pm	Dec. 1	47.50
June 1	45.00	31	126.00Pm
July 1	127.00Pm		

M-4b. (C) City of Wichita. SE SW sec. 29, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1939-64.

Jan. 2	44.85	July 31	54.82Pc
31	47.88	Sept. 1	50.98Pc
Mar. 2	45.45	Oct. 1	47.65
Apr. 1	47.20	Nov. 2	46.59
May 1	49.90Pc	Dec. 1	47.13
June 1	46.65	31	50.22Pc
July 1	54.55Pc		

M-5. (C) City of Wichita. NW SW sec. 32, T 23 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan. 2	46.00	July 31	42.00
31	144.00Pm	Sept. 1	42.00
Mar. 2	42.00	Oct. 1	144.00Pm
Apr. 1	42.00	Nov. 2	40.00
May 1	44.00	Dec. 1	138.00Pm
June 1	38.00	31	40.00
July 1	143.00Pm		

M-5b. (C) City of Wichita. NW SW sec. 32, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1939-64.

Jan. 2	35.79	July 31	38.10
31	36.11Pc	Sept. 1	38.02
Mar. 2	35.80	Oct. 1	37.12Pc
Apr. 1	35.60	Nov. 2	37.54
May 1	36.31	Dec. 1	36.85Pc
June 1	36.98	31	37.05
July 1	36.92Pc		

M-6r. (C) City of Wichita. SW SW sec. 32, T 23 S, R 2 W. Drilled, water-table observation and public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 250 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 33.00 below lsd, Aug. 1, 1961, Aug. 31, 1962; lowest 114.00 below lsd, Jan. 2, 1964. Records available: 1959-64.

Jan. 2	114.00Pm	July 31	97.50Pm
31	40.50	Sept. 1	100.00Pm
Mar. 2	39.96	Oct. 1	40.00
Apr. 1	43.33	Nov. 2	100.00Pm
May 1	45.00	Dec. 1	38.50
June 1	95.00Pm	31	40.00
July 1	43.00		

M-6b. (C) City of Wichita. SW SW sec. 32, T 23 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1939-64.

Jan. 2	37.05Pc	July 31	39.92Pc
31	37.30	Sept. 1	39.48Pc
Mar. 2	37.13	Oct. 1	38.24
Apr. 1	36.91	Nov. 2	39.09Pc
May 1	37.66	Dec. 1	38.24
June 1	38.35Pc	31	38.50
July 1	37.98		

M-7r. (C) City of Wichita. SE NE sec. 6, T 24 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 252 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 35.50 below lsd, Apr. 1, 1963; lowest 133.00 below lsd, Sept. 2, 1958. Records available: 1957-64.

Jan. 2	38.00	July 31	108.00Pm
31	108.00Pm	Sept. 1	110.00Pm
Mar. 2	106.00Pm	Oct. 1	41.64
Apr. 1	105.00Pm	Nov. 2	41.00
May 1	105.00Pm	Dec. 1	39.50
June 1	43.00	31	38.00
July 1	108.50Pm		

M-7b. (C) City of Wichita. SE NE sec. 6, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1939-64.

HARVEY COUNTY—*continued.*

Jan. 2	33.32	July 31	34.84Pc
31	33.58Pc	Sept. 1	35.28Pc
Mar 2	33.68Pc	Oct. 1	35.06
Apr. 1	33.58Pc	Nov. 2	35.23
May 1	33.86Pc	Dec. 1	35.15
June 1	34.21	31	34.98
July 1	34.20Pc		

M-7d. (C) City of Wichita. SE NE sec. 6, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 255 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 39.09 below lsd, Apr. 1, 1963; lowest 65.84 below lsd, Jan. 31, 1958. Records available: 1957-64.

Jan. 2	42.08	July 31	64.80Pc
31	61.44Pc	Sept. 1	63.35Pc
Mar. 2	61.00Pc	Oct. 1	44.12
Apr. 1	59.85Pc	Nov. 2	45.24
May 1	61.35Pc	Dec. 1	43.72
June 1	44.40	31	42.57
July 1	61.45Pc		

M-8r. (C) City of Wichita. NW NW sec. 8, T 24 S, R 2 W. Drilled, water-table public-supply 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 30.00 below lsd, Jan. 2, 1964; lowest 72.00 below lsd, Oct. 1, 1964. Records available: 1959-64.

Jan. 2	30.00	July 31	36.00
31	34.00	Sept. 1	37.00
Mar. 2	34.00	Oct. 1	72.00Pm
Apr. 1	33.00	Nov. 2	35.05
May 1	35.50	Dec. 1	71.00Pm
June 1	67.00Pm	31	36.00
July 1	36.00		

M-8b. (C) City of Wichita. NW NW sec. 8, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	30.30	July 31	31.65
31	30.68	Sept. 1	31.82
Mar. 2	30.22	Oct. 1	32.26Pc
Apr. 1	30.30	Nov. 2	32.17
May 1	30.62	Dec. 1	32.10Pc
June 1	31.10Pc	31	31.80
July 1	31.09		

M-9. (C) City of Wichita. SW NW sec. 8, T 24 S, R 2 W. Drilled, water-table public-supply 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 83.00 below lsd, Sept. 1, 1964. Records available: 1939-64.

Jan. 2	76.50Pm	July 31	80.00Pm
31	80.00Pm	Sept. 1	83.00Pm
Mar. 2	28.50	Oct. 1	30.00
Apr. 1	29.00	Nov. 2	82.50Pm
May 1	78.00Pm	Dec. 1	30.50
June 1	28.00	31	82.00Pm
July 1	78.00Pm		

M-9b. (C) City of Wichita. SW NW sec. 8, T 24 S, R 2 W. Drilled, water-table observation 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 7.67 below lsd, May 27, 1940; lowest 36.33 below lsd, Nov. 30, 1956. Records available: 1939-64.

Jan. 2	29.78Pc	July 31	30.94Pc
31	29.94Pc	Sept. 1	31.19Pc
Mar. 2	28.77	Oct. 1	30.55
Apr. 1	29.07	Nov. 2	31.59Pc
May 1	29.80Pc	Dec. 1	30.31
June 1	29.40	31	31.00Pc
July 1	29.58Pc		

M-10r. (C) City of Wichita. NE NW sec. 8, T 24 S, R 2 W. Drilled, water-table public supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 237 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 30.34 below lsd, Apr. 1, 1957; lowest 101.00 below lsd, Mar. 2, 1964. Records available: 1957-64.

Jan. 2	34.50	July 31	90.00Pm
31	36.50	Sept. 1	40.00
Mar. 2	101.00Pm	Oct. 1	41.00
Apr. 1	36.68	Nov. 1	39.50
May 1	90.50Pm	Dec. 1	39.00
June 1	38.50	31	39.00
July 1	38.00		

M-10b. (C) City of Wichita. NE NW sec. 8, T 24 S, R 2 W. Drilled, water-table observation 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 10.44 below lsd, May 27, 1940; lowest 39.45 below lsd, July 1, 1958. Records available: 1939-64.

Jan. 2	32.09	July 31	34.02Pc
31	32.50	Sept. 1	33.70
Mar. 2	32.79Pc	Oct. 1	34.20
Apr. 1	32.22	Nov. 2	34.24
May 1	32.84Pc	Dec. 1	33.89
June 1	32.70	31	33.73
July 1	32.87		

M-10d. (C) City of Wichita. NE NE NW sec. 8, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 230 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 34.02 below lsd, Apr. 1, 1963; lowest 65.14 below lsd, Dec. 5, 1957. Records available: 1957-64.

Jan.	2	35.98	July	1	37.52
	31	37.44		31	63.14Pc
Mar.	2	62.22Pc	Sept.	1	38.43
Apr.	1	37.32	Oct.	1	39.02
May	1	61.20Pc	Dec.	1	38.62
June	1	36.89		31	37.15

M-11. (C) City of Wichita. NW SE sec. 8, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan.	2	32.22	July	31	34.05
	31	32.23	Sept.	1	33.45
Mar.	2	32.12	Oct.	1	33.72
Apr.	1	32.11	Nov.	2	33.69
May	1	32.00	Dec.	1	33.75
June	1	32.05		31	33.67
July	1	32.44			

M-11b. (C) City of Wichita. NW SE sec. 8, T 24 S, R 2 W. Drilled, water-table observation 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 8.49 below lsd, May 27, 1940; lowest 41.20 below lsd, Oct. 1, 1956. Records available: 1939-64.

Jan.	2	31.88	July	31	33.05
	31	31.99	Sept.	1	33.44
Mar.	2	31.90	Oct.	1	33.50
Apr.	1	31.92	Nov.	2	33.47
May	1	31.80	Dec.	1	33.30
June	1	32.13		31	33.51
July	1	32.36			

M-12. (C) City of Wichita. NW SW sec. 9, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan.	2	82.50Pm	July	31	87.00Pm
	31	85.00Pm	Sept.	1	37.00
Mar.	2	85.00Pm	Oct.	1	87.50Pm
Apr.	1	84.50Pm	Nov.	2	36.00
May	1	35.00	Dec.	1	88.00Pm
June	1	35.00		31	37.00
July	1	35.00			

M-12b. (C) City of Wichita. NW SW sec. 9, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 47.92 below lsd, Dec. 1, 1958. Records available: 1939-64.

Jan.	2	36.79Pc	July	31	42.53Pc
	31	38.96Pc	Sept.	1	36.43
Mar.	2	39.30Pc	Oct.	1	40.64Pc
Apr.	1	39.69Pc	Nov.	2	35.45
May	1	33.83	Dec.	1	40.08Pc
June	1	34.62		31	36.13
July	1	34.51			

M-13. (C) City of Wichita. NW NE sec. 17, T 24 S, R 2 W. Drilled, water-table public-supply 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 80.00 below lsd, July 1, 1964. Records available: 1939-64.

Jan.	2	72.50Pm	July	1	80.00Pm
	31	30.00		31	78.50Pm
Mar.	2	30.00	Sept.	1	32.00
Apr.	1	30.00	Oct.	1	31.00
May	1	30.00	Nov.	2	72.50Pm
June	1	30.50	Dec.	31	73.00Pm

M-13b. (C) City of Wichita. NW NE sec. 17, T 24 S, R 2 W. Drilled, water-table observation 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: 1939-64.

Jan.	2	28.96Pc	July	31	30.58Pc
	31	28.87	Sept.	1	30.65Pc
Mar.	2	28.92	Oct.	1	30.58
Apr.	1	28.94	Nov.	2	30.70
May	1	28.79	Dec.	1	30.59Pc
June	1	29.29		31	30.95Pc
July	1	30.03			

M-14r. (C) City of Wichita. NW NW sec. 16, T 24 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 204 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 28.00 below lsd, Oct. 1, Dec. 3, 1962, Jan. 2, 1963; lowest 63.00 below lsd, Nov. 1, 1963, Sept. 1, 1964. Records available: 1960-64.

Jan.	2	33.00	July	31	38.00
	31	34.50	Sept.	1	63.00Pm
Mar.	2	32.50	Oct.	1	37.00
Apr.	1	58.00Pm	Nov.	2	35.00
May	1	33.00	Dec.	1	36.00
June	1	58.00Pm		31	56.00Pm
July	1	33.00			

M-14b. (C) City of Wichita. SW SW sec. 9, T 24 S, R 2 W. Drilled, water-table observation 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: 1939-64.

HARVEY COUNTY—*continued.*

Jan. 2	29.24	July 31	30.69
31	29.51	Sept. 1	31.22Pc
Mar. 2	29.35	Oct. 1	31.07
Apr. 1	29.61Pc	Nov. 2	30.70
May 1	29.38	Dec. 1	30.78
June 1	29.68Pc	31	31.05Pc
July 1	30.02		

M-15r. (C) City of Wichita. NW cor. SW sec. 16, T 24 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 244 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 19.00 below lsd, May 31, 1963; lowest 55.00 below lsd, Oct. 1, Dec. 1, 1964. Records available: 1960-64.

Jan. 2	30.00	July 31	54.00Pm
31	51.00Pm	Sept. 1	35.00
Mar. 2	31.00	Oct. 1	55.00Pm
Apr. 1	29.50	Nov. 2	54.00Pm
May 1	51.00Pm	Dec. 1	55.00Pm
June 1	33.00	31	34.00
July 1	33.00		

M-15b. (C) City of Wichita. SW NW sec. 16, T 24 S, R 2 W. Drilled, water-table observation 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 11.24 below lsd, Aug. 21, 1939; lowest 40.12 below lsd, Mar. 1, 1957. Records available: 1939-64.

Jan. 2	30.54	July 31	35.10Pc
31	32.08Pc	Sept. 1	33.35
Mar. 2	30.37	Oct. 1	34.58Pc
Apr. 1	30.76	Nov. 2	34.79Pc
May 1	32.08Pc	Dec. 1	34.59Pc
June 1	32.20	31	32.75
July 1	33.31		

M-16. (C) City of Wichita. SE NE sec. 9, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan. 2	32.00	July 31	78.00Pm
31	34.00	Sept. 1	76.50Pm
Mar. 2	75.00Pm	Oct. 1	76.00Pm
Apr. 1	75.00Pm	Nov. 2	36.50
May 1	30.00	Dec. 1	74.00Pm
June 1	75.50Pm	31	74.00Pm
July 1	77.00Pm		

M-16b. (C) City of Wichita. SE NE sec. 9, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	31.82	July 31	39.86Pc
31	32.54	Sept. 1	38.50Pc
Mar. 2	36.80Pc	Oct. 1	38.60Pc
Apr. 1	36.05Pc	Nov. 2	35.76
May 1	31.44	Dec. 1	37.45Pc
June 1	36.68Pc	31	37.50Pc
July 1	37.36Pc		

M-17. (C) City of Wichita. SE SE sec. 9, T 24 S, R 2 W. Drilled, water-table public-supply 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 96.00 below lsd, Apr. 2, 1962. Records available: 1939-64.

Jan. 2	93.00Pm	July 31	33.00
31	30.00	Sept. 1	34.73
Mar. 2	31.00	Oct. 1	33.00
Apr. 1	32.24	Nov. 2	68.00Pm
May 1	29.80	Dec. 1	32.00
June 1	32.72	31	32.50
July 1	32.00		

M-17b. (C) City of Wichita. SE SE sec. 9, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	28.79Pc	July 31	31.48
31	29.60	Sept. 1	31.57
Mar. 2	29.45	Oct. 1	31.50
Apr. 1	29.40	Nov. 2	31.62Pc
May 1	29.40	Dec. 1	31.13
June 1	30.20	31	31.83
July 1	30.50		

M-18. (C) City of Wichita. NE SE sec. 16, T 24 S, R 2 W. Drilled, water-table public-supply 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 72.00 below lsd, Sept. 1, 1964. Records available: 1939-64.

Jan. 2	23.00	July 31	25.50
31	70.00Pm	Sept. 1	72.00Pm
Mar. 2	24.50	Oct. 1	69.00Pm
Apr. 1	66.50Pm	Nov. 2	25.50
May 1	67.50Pm	Dec. 1	26.00
June 1	24.50	31	66.00Pm
July 1	69.50Pm		

M-18b. (C) City of Wichita. NE SE sec. 16, T 24 S, R 2 W. Drilled, water-table observation 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 4.01 below lsd, Aug. 21, 1939; lowest 35.48 below lsd, Mar. 1, 1956. Records available: 1939-64.

Jan. 2	20.46	July 31	22.67
31	21.28Pc	Sept. 1	23.02Pc
Mar. 2	21.15	Oct. 1	23.29Pc
Apr. 1	21.75Pc	Nov. 2	23.23
May 1	22.00Pc	Dec. 1	22.65
June 1	21.70	31	23.05Pc
July 1	22.56Pc		

M-19. (C) City of Wichita. SE SW sec. 22, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64. Jan. 2, 27.00; Jan. 31, 69.50Pm; Mar. 2, 28.00; July 31, 26.98.

M-19b. (C) City of Wichita. SE SW sec. 22, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	25.51	July 31	26.86
31	21.80Pc	Sept. 1	26.71
Mar. 2	26.20	Oct. 1	27.70
Apr. 1	25.99	Nov. 2	27.02
May 1	26.91	Dec. 1	26.76
June 1	27.18	31	26.64
July 1	27.15		

M-20. (C) City of Wichita. NE NE sec. 27, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan. 2	26.00	July 31	55.00Pm
31	24.00	Sept. 1	55.50Pm
Mar. 2	55.00Pm	Oct. 1	56.00Pm
Apr. 1	54.00Pm	Nov. 2	56.00Pm
May 1	25.00	Dec. 1	27.00
June 1	56.00Pm	31	26.00
July 1	52.00Pm		

M-20b. (C) City of Wichita. NE NE sec. 27, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	25.77	July 31	27.51Pc
31	26.02	Sept. 1	27.77Pc
Mar. 2	27.00Pc	Oct. 1	28.03Pc
Apr. 1	26.57Pc	Nov. 2	27.29Pc
May 1	26.40	Dec. 1	27.53
June 1	26.68Pc	31	26.94
July 1	27.00Pc		

M-21. (C) City of Wichita. SW SW sec. 26, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan. 2	30.50Pm	July 31	34.00Pm
31	22.00	Sept. 1	25.50
Mar. 2	23.00	Oct. 1	26.00
Apr. 1	31.00Pm	Nov. 2	34.50Pm
May 1	23.00	Dec. 1	33.00Pm
June 1	24.00	31	25.50
July 1	23.00		

M-21b. (C) City of Wichita. SW SW sec. 26, T 24 S, R 2 W. Drilled, water-table observation 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 8.08 below lsd, Aug. 21, 1939; lowest 31.65 below lsd, May 1, 1957. Records available: 1939-64.

Jan. 2	24.13Pc	July 31	25.05Pc
31	23.46	Sept. 1	24.97
Mar. 2	24.25	Oct. 1	25.15
Apr. 1	24.47Pc	Nov. 2	25.90Pc
May 1	23.86	Dec. 1	25.40Pc
June 1	24.40	31	25.22
July 1	23.99		

M-22r. (C) City of Wichita. SW SE SE sec. 26, T 24 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 188 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 21.00 below lsd, Nov. 1, 1962; lowest 86.00 below lsd, Dec. 1, 1960. Records available: 1960-64.

Jan. 2	22.00	July 31	27.00
31	83.00Pm	Sept. 1	84.00Pm
Mar. 2	25.00	Oct. 1	84.00Pm
Apr. 1	25.00	Nov. 2	28.00
May 1	83.00Pm	Dec. 1	28.00
June 1	25.00	31	84.00Pm
July 1	84.00Pm		

M-22b. (C) City of Wichita. SE SW sec. 26, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	23.94	July 31	25.45
31	24.37Pc	Sept. 1	25.80Pc
Mar. 2	24.15	Oct. 1	25.90Pc
Apr. 1	24.40	Nov. 2	25.93
May 1	25.08Pc	Dec. 1	25.75
June 1	24.94	31	25.98Pc
July 1	25.12Pc		

M-23. (C) City of Wichita. SE NE sec. 35, T 24 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 205 feet. Measuring point, top of casing, 2.00 feet above

HARVEY COUNTY—*continued*.

lsd. Highest water level 7.85 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Mar. 31, 1952. Records available: 1939-64.

Jan. 2	22.00	July 31	24.00
31	61.00Pm	Sept. 1	25.00
Mar. 2	25.00	Oct. 1	24.00
Apr. 1	20.50	Nov. 2	30.00
May 1	23.00	Dec. 1	26.00
June 1	23.00	31	25.00
July 1	23.00		

M-23b. (C) City of Wichita. SE NE sec. 35, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	21.14	July 31	23.27
31	22.16Pc	Sept. 1	23.60
Mar. 2	22.08	Oct. 1	23.38
Apr. 1	24.34	Nov. 2	23.94
May 1	22.56	Dec. 1	23.63
June 1	22.57	31	23.58
July 1	22.91		

M-24. (C) City of Wichita. SE SE sec. 35, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1939-64.

Jan. 2	22.00	July 31	47.00Pm
31	23.00	Sept. 1	24.00
Mar. 2	46.00Pm	Oct. 1	24.00
Apr. 1	46.00Pm	Nov. 2	25.00
May 1	48.00Pm	Dec. 1	47.00Pm
June 1	24.00	31	48.00Pm
July 1	24.50		

M-24b. (C) City of Wichita. SE SE sec. 35, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-64.

Jan. 2	24.50	July 31	27.03Pc
31	25.03	Sept. 1	26.55
Mar. 2	25.14Pc	Oct. 1	25.90
Apr. 1	25.91Pc	Nov. 2	27.04
May 1	26.73Pc	Dec. 1	28.00Pc
June 1	25.96	31	27.61Pc
July 1	26.50		

M-25. (C) City of Wichita. SW SE sec. 36, T 24 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth

189 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 63.50 below lsd, Aug. 1, 1961. Records available: 1939-64.

Jan. 2	20.50	July 31	54.00Pm
31	20.00	Sept. 1	55.00Pm
Mar. 2	19.00	Oct. 1	55.00Pm
Apr. 1	54.00Pm	Nov. 2	56.00Pm
May 1	21.00	Dec. 1	55.00Pm
June 1	53.00Pm	31	56.00Pm
July 1	20.00		

M-26. (C) City of Wichita. SW NW sec. 22, T 24 S, R 2 W. Drilled, water-table public-supply 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: 1949-64.

Jan. 2	75.00Pm	July 31	73.00Pm
31	24.00	Sept. 1	76.00Pm
Mar. 2	25.00	Oct. 1	26.00
Apr. 1	74.00Pm	Nov. 2	78.00Pm
May 1	75.00Pm	Dec. 1	75.00Pm
June 1	74.50Pm	31	78.00Pm
July 1	78.00Pm		

M-26b. (C) City of Wichita. SW NW sec. 22, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1947-64.

Jan. 2	22.13Pc	July 31	23.86Pc
31	22.12	Sept. 1	23.49Pc
Mar. 2	22.46	Oct. 1	23.73
Apr. 1	22.98Pc	Nov. 2	24.37Pc
May 1	23.23Pc	Dec. 1	23.61Pc
June 1	23.48Pc	31	23.42Pc
July 1	23.76Pc		

M-41. (C) City of Wichita. NE NE sec. 11, T 24 S, R 3 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.50 feet above lsd. Highest water level 21.50 below lsd, Mar. 1, 1961; lowest 131.50 below lsd, July 1, 1963. Records available: 1958-64.

Jan. 2	126.00Pm	July 31	126.50Pm
31	36.00	Sept. 1	125.50Pm
Mar. 2	125.50Pm	Oct. 1	127.50Pm
Apr. 1	35.50	Nov. 2	37.95
May 1	126.00Pm	Dec. 1	130.50Pm
June 1	125.50Pm	31	39.50
July 1	35.50		

M-41b. (C) City of Wichita. NE NE sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.60 below lsd, Nov. 1, 1958; low-

est 15.66 below lsd, Nov. 2, Dec. 1, 1964. Records available: 1958-64.

Jan. 2	14.15Pc	July 31	15.35Pc
31	14.30	Sept. 1	15.44Pc
Mar. 2	14.40Pc	Oct. 1	15.61Pc
Apr. 1	14.59	Nov. 2	15.66
May 1	14.69Pc	Dec. 1	15.66Pc
June 1	14.98Pc	31	15.63
July 1	15.12		

M-41d. (C) City of Wichita. NE cor. sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 72.34 below lsd, July 1, 1963. Records available: 1957-64.

Jan. 2	36.93Pc	July 31	65.20Pc
31	36.94	Sept. 1	63.72Pc
Mar. 2	62.44Pc	Oct. 1	65.25Pc
Apr. 1	36.98	Nov. 2	38.06
May 1	64.05Pc	Dec. 1	65.60Pc
June 1	63.22Pc	31	38.37
July 1	37.58		

M-42. (C) City of Wichita. SE NE sec. 11, T 24 S, R 3 W. Drilled, water-table public-supply 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 122.42 below lsd, July 1, 1963. Records available: 1958-64.

Jan. 2	42.00	July 31	41.00
31	110.00Pm	Sept. 1	37.00
Mar. 2	37.50	Oct. 1	40.00
Apr. 1	109.00Pm	Nov. 2	107.00Pm
May 1	40.50	Dec. 1	41.00
June 1	37.50	31	108.50Pm
July 1	108.00Pm		

M-42b. (C) City of Wichita. SE NE sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.46 below lsd, Oct. 2, 1958; lowest 23.46 below lsd, Nov. 1, 1958. Records available: 1958-64.

Jan. 2	17.76	July 1	18.89Pc
31	17.74Pc	31	19.44
Mar. 2	17.91	Sept. 1	18.87
Apr. 1	18.08Pc	Oct. 1	19.67
May 1	18.49	Nov. 2	19.20Pc
June 1	18.87	Dec. 31	19.35Pc

M-42d. (C) City of Wichita. SE NE sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 247 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.75 below lsd, Dec. 31, 1958; lowest 77.79 below lsd, July 1, 1963. Records available: 1958-64.

Jan. 2	43.64	July 31	45.45
31	67.35Pc	Sept. 1	42.86
Mar. 2	40.24	Oct. 1	42.30
Apr. 1	66.95Pc	Nov. 2	67.89Pc
May 1	44.15	Dec. 1	45.58
June 1	41.67	31	68.45Pc
July 1	67.76Pc		

M-43. (C) City of Wichita. SE SE sec. 11, T 24 S, R 3 W. Drilled, water-table public-supply 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 74.28 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	72.45Pm	July 31	73.92Pm
31	20.88	Sept. 1	21.47
Mar. 2	19.72	Oct. 1	74.28Pm
Apr. 1	21.08	Nov. 2	22.25
May 1	72.30Pm	Dec. 1	74.25Pm
June 1	20.90	31	22.70
July 1	22.05		

M-43d. (C) City of Wichita. SE SE sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 235 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 21.33 below lsd, Nov. 1, 1958; lowest 52.23 below lsd, May 1, 1959. Records available: 1958-64.

Jan. 2	46.23Pc	July 31	48.10Pc
31	36.65	Sept. 1	32.55
Mar. 2	30.68	Oct. 1	47.98Pc
Apr. 1	37.14	Nov. 2	37.96
May 1	46.60Pc	Dec. 1	47.81Pc
June 1	32.32	31	38.56
July 1	37.66		

M-44. (C) City of Wichita. SW SE sec. 11, T 24 S, R 3 W. Drilled, water-table public-supply 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 51.35 below lsd, Dec. 31, 1964. Records available: 1958-64.

Jan. 2	14.24	July 31	15.93
31	48.20Pm	Sept. 1	49.65Pm
Mar. 2	48.65Pm	Oct. 1	16.00
Apr. 1	48.67Pm	Nov. 2	50.15Pm
May 1	15.00	Dec. 1	15.80
June 1	48.85Pm	31	51.35Pm
July 1	50.29Pm		

M-44b. (C) City of Wichita. SW SE sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 23.26 below lsd, Dec. 31, 1964. Records available: 1958-64.

HARVEY COUNTY—*continued*.

Jan. 2	13.84	July 31	15.45
31	21.59Pc	Sept. 1	22.98Pc
Mar. 2	21.79Pc	Oct. 1	15.55
Apr. 1	22.08Pc	Nov. 2	22.82Pc
May 1	14.53	Dec. 1	15.32
June 1	22.40Pc	31	23.26Pc
July 1	22.90Pc		

M-44d. (C) City of Wichita. SW SE sec. 11, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 144 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 9.40 below lsd, Oct. 2, 1958; lowest 26.85 below lsd, Dec. 31, 1964. Records available: 1958-64.

Jan. 2	15.04	July 31	16.86
31	25.24Pc	Sept. 1	26.45Pc
Mar. 2	25.45Pc	Oct. 1	17.04
Apr. 1	25.70Pc	Nov. 2	26.30Pc
May 1	15.96	Dec. 1	14.82
June 1	25.98Pc	31	26.85Pc
July 1	26.50Pc		

M-45. (C) City of Wichita. NE SE sec. 23, T 24 S, R 3 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 1 1/4 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 65.38 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	17.92	July 31	64.65Pm
31	17.59	Sept. 1	64.40Pm
Mar. 2	17.72	Oct. 1	65.38Pm
Apr. 1	63.45Pm	Nov. 2	64.52Pm
May 1	62.90Pm	Dec. 1	63.45Pm
June 1	62.63Pm	31	64.45Pm
July 1	20.89		

M-45b. (C) City of Wichita. NE SE sec. 23, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 16.03 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	14.31	July 31	15.67Pc
31	14.32	Sept. 1	15.88Pc
Mar. 2	14.42	Oct. 1	16.03Pc
Apr. 1	14.88Pc	Nov. 2	15.92Pc
May 1	15.03Pc	Dec. 1	15.70Pc
June 1	15.18Pc	31	15.54Pc
July 1	15.24		

M-45d. (C) City of Wichita. NE SE sec. 23, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 45.00 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	20.98	July 31	44.73Pc
31	20.33	Sept. 1	44.42Pc
Mar. 2	20.40	Oct. 1	45.00Pc
Apr. 1	43.10Pc	Nov. 2	43.00Pc
May 1	41.42Pc	Dec. 1	40.45Pc
June 1	42.55Pc	31	40.30Pc
July 1	26.65		

M-46. (C) City of Wichita. SE SE sec. 23, T 24 S, R 3 W. Drilled, water-table public-supply 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 10.43 below lsd, Aug. 1, 1962; lowest 48.08 below lsd, Mar. 2, 1964. Records available: 1958-64.

Jan. 2	47.95Pm	July 31	41.79Pm
31	47.20Pm	Sept. 1	41.60Pm
Mar. 2	48.08Pm	Oct. 1	18.06
Apr. 1	16.42	Nov. 2	17.22
May 1	17.00	Dec. 1	18.25
June 1	47.02Pm	31	17.11
July 1	47.86Pm		

M-46b. (C) City of Wichita. SE SE sec. 23, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 18.21 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	17.45Pc	July 31	18.21Pc
31	17.29Pc	Sept. 1	18.19Pc
Mar. 2	17.44Pc	Oct. 1	17.18
Apr. 1	15.98	Nov. 2	16.98
May 1	16.28	Dec. 1	17.61
June 1	17.00Pc	31	16.63
July 1	17.94Pc		

M-46d. (C) City of Wichita. SE SE sec. 23, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 34.82 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	29.68Pc	July 31	34.82Pc
31	28.63Pc	Sept. 1	34.32Pc
Mar. 2	29.09Pc	Oct. 1	31.40
Apr. 1	29.10	Nov. 2	30.45
May 1	26.86	Dec. 1	27.72
June 1	33.30Pc	31	25.50
July 1	33.69Pc		

M-47. (C) City of Wichita. SW SE sec. 24, T 24 S, R 3 W. Drilled, water-table public-supply 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 79.83 below lsd, May 31, 1963. Records available: 1958-64.



Jan. 2	21.69	July 31	76.34Pm
31	21.03	Sept. 1	75.10Pm
Mar. 2	21.08	Oct. 1	74.68Pm
Apr. 1	75.98Pm	Nov. 2	72.39Pm
May 1	25.25	Dec. 1	69.87Pm
June 1	75.22Pm	31	24.70
July 1	75.67Pm		

M-47b. (C) City of Wichita. SW SE sec. 24, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 20.38 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	18.03	July 31	19.15Pc
31	18.09	Sept. 1	20.32Pc
Mar. 2	18.15	Oct. 1	20.38Pc
Apr. 1	19.10Pc	Nov. 2	20.20Pc
May 1	18.91	Dec. 1	19.95Pc
June 1	19.52Pc	31	19.55
July 1	19.71Pc		

M-47d. (C) City of Wichita. SW SE sec. 24, T 24 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 52.05 below lsd, May 31, 1963. Records available: 1958-64.

Jan. 2	22.07	July 31	50.89Pc
31	21.55	Sept. 1	50.23Pc
Mar. 2	21.60	Oct. 1	50.10Pc
Apr. 1	49.45Pc	Nov. 2	48.50Pc
May 1	25.92	Dec. 1	46.63Pc
June 1	49.22Pc	31	24.91
July 1	49.21Pc		

M-48. (C) City of Wichita, NE SE sec. 28, T 24 S, R 2 W. Drilled, water-table public-supply 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 87.55 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	27.20	July 31	30.52
31	27.72	Sept. 1	28.85
Mar. 2	28.88	Oct. 1	87.55Pm
Apr. 1	27.72	Nov. 2	30.68
May 1	86.25Pm	Dec. 1	29.28
June 1	29.44	31	30.59
July 1	87.00Pm		

M-48b. (C) City of Wichita. NE SE sec. 28, T 24 S, R 2 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 30.80 below lsd, Jan. 2, 1964. Records available: 1958-64.

Jan. 2	30.80	July 31	28.39
31	27.12	Sept. 1	28.31
Mar. 2	27.17	Oct. 1	28.68Pc
Apr. 1	27.26	Nov. 2	28.72
May 1	27.51Pc	Dec. 1	28.75
June 1	27.55	31	28.75
July 1	27.85		

M-48d. (C) City of Wichita. NE SE sec. 28, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 56.02 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	27.88	July 31	34.17
31	31.39	Sept. 1	32.56
Mar. 2	32.50	Oct. 1	56.02Pc
Apr. 1	31.40	Nov. 2	34.21
May 1	54.82Pc	Dec. 1	32.87
June 1	33.08	31	34.33
July 1	55.32		

M-49. (C) City of Wichita. SE SE sec. 28, T 24 S, R 2 W. Drilled, water-table public-supply 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 64.80 below lsd, Nov. 2, Dec. 31, 1964. Records available: 1958-64.

Jan. 2	29.10	July 31	63.86Pm
31	60.94Pm	Sept. 1	30.79
Mar. 2	62.05Pm	Oct. 1	31.64
Apr. 1	29.62	Nov. 2	64.80Pm
May 1	30.38	Dec. 1	31.12
June 1	62.80Pm	31	64.80
July 1	30.77		

M-49b. (C) City of Wichita. SE SE sec. 28, T 24 S, R 2 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 41.44 below lsd, Mar. 2, 1964. Records available: 1958-64.

Jan. 2	25.30	July 31	26.46Pc
31	25.41Pc	Sept. 1	26.65
Mar. 2	41.44Pc	Oct. 1	26.69
Apr. 1	25.58	Nov. 2	26.89Pc
May 1	25.75	Dec. 1	26.80
June 1	25.87Pc	31	26.89
July 1	26.04		

M-49d. (C) City of Wichita. SE SE sec. 28, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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 43.42 below lsd, July 1, 1963. Records available: 1958-64.

**HARVEY COUNTY—concluded.**

Jan. 2	28.78	July 31	42.48Pc
31	38.66Pc	Sept. 1	30.47
Mar. 2	24.96Pc	Oct. 1	31.30
Apr. 1	29.30	Nov. 2	42.80Pc
May 1	30.05	Dec. 1	30.72
June 1	41.52Pc	31	42.86
July 1	30.43		

M-50. (C) City of Wichita. SW SE sec. 28, T 24 S, R 2 W. Drilled, water-table public-supply 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 83.87 below lsd, Sept. 1, 1964. Records available: 1958-64.

Jan. 2	83.46Pm	July 31	31.25
31	28.28	Sept. 1	83.87Pm
Mar. 2	29.53	Oct. 1	30.48
Apr. 1	83.00Pm	Nov. 2	31.34
May 1	28.98	Dec. 1	83.76Pm
June 1	30.28	31	31.40
July 1	29.60		

M-50b. (C) City of Wichita. SW SE sec. 28, T 24 S, R 2 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 28.75 below lsd, Sept. 1, 1964. Records available: 1958-64.

Jan. 2	27.13Pc	July 31	27.52
31	25.39	Sept. 1	28.75Pc
Mar. 2	25.97	Oct. 1	27.00
Apr. 1	27.46Pc	Nov. 2	27.69
May 1	25.86	Dec. 1	28.74Pc
June 1	26.73	31	27.69
July 1	26.20		

M-50d. (C) City of Wichita. SW SE sec. 28, T 24 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 243 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.65 below lsd, Jan. 23, 1958; lowest 40.83 below lsd, July 1, 1963. Records available: 1958-64.

Jan. 2	37.69Pc	July 31	30.00
31	26.35	Sept. 1	39.17Pc
Mar. 2	28.26	Oct. 1	28.33
Apr. 1	38.00Pc	Nov. 2	30.09
May 1	27.05	Dec. 1	39.16Pc
June 1	29.05	31	30.10
July 1	27.48		

**HASKELL COUNTY**

28-32-25cb. (C) Owner unknown. Drilled, unused well in Ogallala Formation; diameter 4 inches, depth 200 feet. Measuring point, ½-inch hole west side of well cover plate, 0.80 foot below lsd. Highest water level

182.08 below lsd, Feb. 12, 1958 lowest 186.18 below lsd, Dec. 29, 1964. Records available: 1956-64. Mar. 17, 184.72; June 10, P; Sept. 1, 185.04; Dec. 29, 186.18.

29-32-26cb2. (C) Kelly McClure. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 384 feet. Measuring point, 0.70 foot above lsd. Highest water level 199.16 below lsd, Jan. 6, 1961; lowest 204.22 below lsd, Sept. 1, 1964. Records available: 1960-64. Mar. 17, 201.68; June 10, 203.15; Sept. 1, 204.22.

30-32-11bb. (C) Virgil Watson. Drilled, water-table irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 16 inches, depth 412 feet. Measuring point, edge of leaning 1½-inch pipe on east side of pump-head base, 0.70 foot above lsd. Highest water level 195.39 below lsd, Apr. 2, 1962; lowest 202.11 below lsd, Dec. 29, 1964. Records available: 1961-64. Mar. 17, 199.25; June 10, 200.32; Sept. 1, P; Dec. 29, 202.11.

**HODGEMAN COUNTY**

3a. (C) Harold McFadden. SW NW sec. 12, T 21 S, R 2 W. Bored, water-table irrigation well in alluvium; diameter 16 inches, depth 72 feet. Measuring point, hole on inside of northwest corner pump base, 1.74 feet above lsd. Highest water level 28.10 below lsd, Apr. 17, 1962; lowest 36.23 below lsd, Dec. 15, 1964. Records available: 1960-64. Mar. 18, 32.13; June 25, 32.94; Dec. 15, 36.23.

22-22-13cc. (C) Bill Macey. Dug and drilled, water-table irrigation 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, 1957-64. Mar. 18, 23.77.

24-26-35cb. (C) A. C. James. Drilled, water-table stock well in Ogallala Formation; diameter 5½ inches, depth 86 feet. Measuring point, top north side of casing, 0.60 foot above lsd. Highest water level 63.50 below lsd, Jan. 17, 1961; lowest 65.29 below lsd, Oct. 22, 1956. Records available: 1954-64. June 24, 63.73; Dec. 17, 63.79.

**JACKSON COUNTY**

7-13-3cdd. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1 inch, depth 23 feet. Measuring point, top of pipe, 3.40 feet above lsd. Highest water level 8.12 below lsd, July 24, 1963; lowest 8.52 below lsd, Sept. 24, 1963. Records available: 1963-64. Feb. 6, 8.49.

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, 1960-63. No measurement made in 1964.

8-13-1ccd1. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1 inch, depth 42 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 11.05 below lsd, July 24, 1963; lowest 13.98 below lsd, Feb. 6, 1964. Records available: 1963-64. Feb. 6, 13.98.

**JEFFERSON COUNTY**

11-18-21cbd. (C) Division of Water Resources. Driven observation well in alluvium; diameter ¾ inch,

depth 21 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.92 below lsd, Sept. 27, 1962; lowest 10.43 below lsd, June 2, 1964. Records available: 1959-64.

Feb. 3	9.79	June 2	10.43	Oct. 1	9.70
Mar. 2	10.00	July 1	9.64	Nov. 2	10.08
Apr. 1	10.24	Aug. 3	10.12	Dec. 1	9.66
May 4	10.36	Sept. 1	9.75		

11-19-27bcc1. (C) Buck Creek School. Bored observation well in terrace deposits of Pleistocene age; diameter 2 to 1½ inches, depth 57 feet. Measuring point, top of 1¼-inch galv. iron pipe, 1.00 foot above lsd. Highest water level 23.75 below lsd, Sept. 18, 1962; lowest 29.20 below lsd, Nov. 2, 1964. Records available: 1961-64. Mar. 13, 29.02; Nov. 2, 29.20.

### 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, 1964. Jan. 28, 59.20.

65. (C) Mrs. D. M. Parkhurst. SE SE sec. 23, T 3 S, R 9 W. Dug, water-table domestic and stock well in colluvium; diameter 5 feet, depth 42 feet, cribbed with stone. Measuring point, top of plank platform, 1.90 feet above lsd. Highest water level 8.12 below lsd, Nov. 25, 1961; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-55, 1957-58, 1961, 1964. Jan. 28, 8.97.

69. (C) Walter Dietz. NW 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 5.30 below lsd, Jan. 28, 1964; lowest 24.50 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-55, 1958, 1964. Jan. 28, 5.30. Measurement discontinued.

1-6-5ac. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.30 below lsd, May 25, 1961; lowest 17.15 below lsd, Mar. 13, 1957. Records available: 1953-64.

Jan. 21	13.1	May 19	13.9	Sept. 4	11.9
Mar. 31	13.6	July 10	12.9	Nov. 12	12.9

1-6-5dd2. (MB) U.S.B.R. Jetted, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.80 below lsd, Oct. 15, 1960; lowest 25.40 below lsd, Mar. 15, 1961. Records available: 1960-64.

Jan. 21	22.4	May 19	23.6	Nov. 12	20.05
Mar. 31	23.6	July 10	21.8		

1-6-6ad. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 3.5 below lsd, Nov. 12, 1964; lowest 15.40 below lsd, Mar. 13, 1957. Records available: 1953-64.

Jan. 21	11.6	May 19	12.0	Sept. 4	10.8
Mar. 31	11.6	July 10	11.0	Nov. 12	3.5

1-6-6bc. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ 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: 1950-64.

Jan. 21	7.3	May 19	8.5	Sept. 4	8.0
Mar. 31	8.3	July 10	9.0	Nov. 12	8.5

1-6-6cb. (MB) U.S.B.R. Driven, water-table observation well in alluvium; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 5.20 below lsd, Nov. 21, 1962; lowest 11.04 below lsd, May 24, 1956. Records available: 1953-64.

Jan. 21	7.4	May 19	8.1	Sept. 4	6.9
Mar. 31	7.9	July 10	7.6	Nov. 12	8.3

1-6-6cc. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ 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: 1950-64.

Jan. 21	18.5	May 19	18.5	Sept. 4	17.0
Mar. 31	18.8	July 10	18.2	Nov. 12	18.1

1-6-6dal. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.60 below lsd, July 22, 1963; lowest 19.58 below lsd, Sept. 26, 1956. Records available: 1950-64.

Jan. 21	15.3	May 19	14.4	Sept. 4	10.7
Mar. 31	14.4	July 10	11.4	Nov. 12	13.0

1-6-6da2. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 9.0\* below lsd, July 10, 1964; lowest 22.23 below lsd, June 9, 1955. Records available: 1953-64.

Jan. 21	12.8	May 19	15.5	Sept. 4	10.8
Mar. 31	14.8	July 10	9.0*	Nov. 12	12.8

\* Well surrounded by water.

1-6-6db. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.40 below lsd, Sept. 20, 1961, July 22, 1963; lowest 15.13 below lsd, Mar. 13, 1957. Records available: 1953-64.

Jan. 21	9.5	May 19	10.9	Sept. 4	8.7
Mar. 31	10.5	July 10	11.2	Nov. 12	9.8

## JEWELL COUNTY—concluded.

1-6-6dd. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.50 below lsd, May 25, 1961; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-64.

Jan. 21	17.0	May 19	19.4	Sept. 4	15.2
Mar. 31	18.5	July 10	16.2	Nov. 12	16.8

1-6-14da. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 80 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 52.25 below lsd, Nov. 30, 1964; lowest 61.72 below lsd, Feb. 24, 1959. Records available: 1955-64.

Mar. 4	53.40	Aug. 3	52.92	Oct. 6	52.52
Apr. 6	53.30	19	52.84	Nov. 2	52.35
June 29	53.14	Sept. 8	52.70	30	52.25

1-6-23ad. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 71 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 38.05 below lsd, Aug. 19, 1964; lowest 56.50 below lsd, Mar. 28, 1956. Records available: 1955-64.

Mar. 4	41.80	Aug. 3	38.45	Oct. 6	38.96
Apr. 6	42.00	19	38.05	Nov. 2	39.28
June 29	40.01	Sept. 8	38.40	30	39.86

1-6-25bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 65 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 30.55 below lsd, Aug. 19, 1964; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-64.

Mar. 4	36.20	Aug. 3	31.50	Oct. 6	33.17
Apr. 6	36.50	19	30.55	Nov. 2	33.62
June 29	35.54	Sept. 8	32.12	30	34.53

1-6-25bc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 70 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 14.70 below lsd, Aug. 8, 1963; lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-64.

Mar. 4	16.20	Aug. 3	15.75	Oct. 6	15.82
Apr. 6	16.40	19	15.69	Nov. 2	15.66
June 29	17.52	Sept. 8	15.72	30	16.25

1-6-25cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.90 below lsd, Aug. 8, 1963; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-64.

Mar. 4	12.30	Aug. 3	10.75	Oct. 6	11.40
Apr. 6	12.70	19	10.52	Nov. 2	11.72
June 29	13.41	Sept. 8	10.82	30	12.55

1-6-25dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 75 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 5.23 below lsd, Nov. 7, 1962; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56, 1958-64.

Mar. 4	7.70	Aug. 3	6.60	Oct. 6	6.65
Apr. 6	8.10	19	6.15	Nov. 2	7.25
June 29	9.08	Sept. 8	6.28	30	7.85

1-6-34ddd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 10.50 below lsd, Aug. 7, 1963; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57, 1959, 1962-64.

Mar. 3	17.20	Aug. 3	11.12	Oct. 6	13.47
Apr. 3	18.00	21	11.40	Nov. 2	14.24
June 29	11.18	Sept. 8	12.55	30	15.23

1-6-35ba. (MB) U.S.B.R. Drilled and jetted well in deposits of Pleistocene age; diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 21.90 below lsd, Apr. 3, 1964; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57, 1959-64.

Mar. 3	22.00	Aug. 3	23.73	Oct. 6	22.80
Apr. 3	21.90	21	23.42	Nov. 2	22.35
June 29	23.03	Sept. 8	23.22	30	22.43

1-7-1bb. (MB) U.S.G.S. Driven well in alluvium; diameter 1¼ inches, depth 16 feet. Measuring point, top of pipe, 4.10 feet above lsd. Highest water level 3.39 below lsd, July 24, 1951; lowest 12.17 below lsd, May 24, 1956. Records available: 1947-64.

Jan. 20	8.7	May 19	9.5	Sept. 4	9.6
Mar. 31	9.2	July 10	9.9	Nov. 12	9.7

1-7-1db. (MB) U.S.B.R. Drilled well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.40 below lsd, July 16, 1957; lowest 10.73 below lsd, Mar. 29, 1954. Records available: 1953-64.

Jan. 21	8.0	May 19	8.7	Sept. 4	6.7
Mar. 31	8.4	July 10	7.8	Nov. 2	8.3

1-7-1dc. (MB) U.S.B.R. Drilled well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.85 below lsd, May 1, 1959; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-64.

Jan. 21	4.6	May 19	5.2	Sept. 4	5.2
Mar. 31	4.2	July 10	6.2	Nov. 12	6.5

1-7-2da. (MB) U.S.G.S. Driven well in alluvium; diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 0.42 below lsd, July 24, 1951; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-64.

Jan. 21	5.3	May 19	5.3	Sept. 4	4.3
Mar. 31	5.2	July 10	4.8	Nov. 12	5.8

1-7-4ad. (MB) U.S.B.R. Driven well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 1.6 below lsd, Sept. 4, Nov. 13, 1964; lowest 6.91 below lsd, Aug. 17, 1954. Records available: 1953-64.

Jan. 21	2.0	May 19	2.8	Sept. 4	1.6
Mar. 31	2.0	July 10	2.0	Nov. 13	1.6

1-7-4ba. (MB) U.S.B.R. Driven well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.2 below lsd, Sept. 4, 1964; lowest 14.20 below lsd, Feb. 3, 1954. Records available: 1953-61, 1964.

Jan. 21	8.5	May 19	9.5	Sept. 4	6.2
28	8.63	July 10	7.5	Nov. 13	8.8
Mar. 31	9.2				

2-6-2dd. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age; diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 12.30 below lsd, Aug. 7, 1963; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-64.

Mar. 3	24.90	Aug. 3	16.32	Oct. 6	23.02
Apr. 3	25.60	21	20.02	Nov. 2	23.60
July 2	24.64	Sept. 8	21.35	30	24.23

2-6-3db. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.66 below lsd, July 2, 1964; lowest 38.45 below lsd, May 3, 1956. Records available: 1955-64.

Mar. 3	25.90	Aug. 3	14.60	Oct. 6	23.68
Apr. 3	26.40	21	16.30	Nov. 2	24.70
July 2	12.66	Sept. 8	21.20	30	25.57

2-6-4cd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 2.00 feet above present land surface (1.3 feet below original land surface datum). Highest water level 8.80 below lsd, Oct. 6, Nov. 2, 1964; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-59, 1961-64.

Mar. 3	10.30	Aug. 3	9.67	Oct. 6	8.80
Apr. 3	10.30	21	9.11	Nov. 2	8.80
July 2	10.10	Sept. 8	8.95	30	9.22

2-6-4dd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. High-

est water level 15.56 below lsd, July 2, 1964; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-64.

Mar. 3	20.85	Aug. 3	16.85	Oct. 6	17.84
Apr. 3	21.20	21	17.04	Nov. 2	18.52
July 2	15.56	Sept. 8	17.42	30	19.25

2-6-8aa. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 13.36 below lsd, Nov. 2, 1962; lowest dry, Feb. 21, 1957. Records available: 1955-64.

Mar. 3	15.30	Aug. 3	14.98	Oct. 6	14.37
Apr. 3	15.50	21	14.65	Nov. 2	14.50
July 2	15.25	Sept. 8	14.50	30	14.83

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 24.00 below lsd, Nov. 30, 1964; lowest dry, Jan. 4, 1958. Records available: 1955-64.

Mar. 3	24.23	Aug. 3	24.96	Oct. 6	24.31
Apr. 3	24.20	19	24.70	Nov. 2	24.05
July 2	24.75	Sept. 8	24.54	30	24.00

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 19.46 below lsd, Aug. 7, 1963; lowest 37.76 below lsd, July 11, 1956. Records available: 1955-64.

Mar. 3	22.70	Aug. 3	20.48	Oct. 6	20.95
Apr. 3	22.90	19	20.41	Nov. 2	21.30
July 2	20.94	Sept. 8	20.55	30	21.90

2-6-11da2. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.76 below lsd, Oct. 9, 1962; lowest 20.80 below lsd, June 7, 1956. Records available: 1955-64.

Mar. 3	16.20	Aug. 3	16.30	Oct. 6	16.60
Apr. 3	16.80	21	15.63	Nov. 2	16.35
July 2	18.01	Sept. 8	16.28	30	16.50

## JOHNSON COUNTY

11-23-33bac. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 17.50 below lsd, Mar. 29, 1962; lowest 24.61 below lsd, June 9, 1964. Records available: 1961-64.

Mar. 6	24.03	May 14	23.59	Oct. 1	23.32
Apr. 1	24.12	June 9	24.61	Nov. 12	23.82
3	24.20	Aug. 10	23.11	Dec. 14	23.71

**JOHNSON COUNTY—concluded.**

11-23-33bba. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 3.8 feet above lsd. Highest water level 17.93 below lsd, May 24, 1961; lowest 27.63 below lsd, Apr. 1, 1964. Records available: 1961-64.

Mar. 6	27.59	May 14	26.44	Oct. 1	26.68
Apr. 1	27.63	June 9	26.27	Nov. 12	27.15
3	27.50	Aug. 10	26.51	Dec. 14	26.89

11-23-33bdd. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 20.17 below lsd, Mar. 29, 1962; lowest 28.18 below lsd, Apr. 1, 1964. Records available: 1961-64.

Mar. 6	27.99	May 14	28.00	Oct. 1	26.48
Apr. 1	28.18	June 6	26.94	Nov. 12	26.88
3	28.00	Aug. 10	26.13	Dec. 14	26.91

12-22-25bcc. (C) U.S.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.8 feet above lsd. Highest water level 14.93 below lsd, Mar. 29, 1962; lowest 21.59 below lsd, Apr. 3, 1964. Records available: 1961-64.

Mar. 6	21.39	May 14	21.03	Oct. 1	20.55
Apr. 1	21.54	June 6	20.95	Nov. 12	21.23
3	21.59	Aug. 10	20.08	Dec. 14	21.31

**KEARNY COUNTY**

13b. (C) U.S.G.S. NW NE sec. 15, T 25 S, R 37 W. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 5.00 feet above lsd. Highest water level 8.06 below lsd, June 14, 1962; lowest 10.58 below lsd, Sept. 24, 1964. Records available: 1960-64.

Jan. 8	9.64	Mar. 19	9.57	Sept. 24	10.58
Feb. 20	9.59	June 25	8.91	Dec. 23	10.50

23-35-14bd. (C) Ted E. Miller. Drilled, water-table irrigation well in sand and gravel of Neogene age; diameter 16 inches, depth 357 feet. Measuring point, hole in west side of pump base, 1.50 feet above lsd. Highest water level 50\* below lsd, Jan. 1953; lowest 95.45 below lsd, Sept. 28, 1964. Records available: 1953, 1964. 1953: Jan. 50.\* 1964: Mar. 23, 56.75; June 25, 58.76; Sept. 28, 95.45; Dec. 23, 77.95.

23-37-27ba. (C) George W. Sauer. Drilled, water-table stock well in Ogallala Formation and deposits of Pleistocene age; diameter 4 inches, depth 261 feet. Measuring point, west edge of casing, 1.20 feet above lsd. Highest water level 202.30 below lsd, Apr. 9, 1962; lowest 207.12 below lsd, Dec. 3, 1963. Records available: 1962-63. Measurement discontinued.

\* Reported measurement.

26-37-21dd. (C) H. G. Webber. Drilled, artesian irrigation well in deposits of Cretaceous and Pliocene 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 57.00 below lsd, Jan. 2, 1963. Records available: 1958-64. Jan. 8, P.

26-38-8aa. (C) Norman Palmquist. Drilled stock well; diameter 4 inches, depth 178 feet. Measuring point, top of 4-inch coupling on west side, 0.3 foot above lsd. Highest water level 136.23 below lsd, Jan. 8, 1964; lowest 136.68 below lsd, May 11, 1961. Records available: 1959-61, 1963-64. 1959: May 11, 136.68. 1960: Jan. 5, P. 1961: Jan. 11, 136.34. 1963: Jan. 2, P. 1964: Jan. 8, 136.23.

**KINGMAN COUNTY**

4. (C) N. Lawson. NW NW sec. 9, T 27 S, R 9 W. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 2 inches, depth 64 feet. Measuring point, top opening of pump, 3.00 feet above lsd. Highest water level 55.22 below lsd, Dec. 17, 1963; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-64. Mar. 17, 55.30; June 22, 55.65; Sept. 14, 55.79; Dec. 14, 55.93.

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 21.24 below lsd, Apr. 16, 1962; lowest 24.49 below lsd, July 18, 1960. Records available: 1955, 1959-64. Mar. 17, 22.52; June 22, 22.71; Sept. 14, 23.73.

**KIOWA COUNTY**

4. (C) H. E. Davis. SE NE sec. 4, T 28 S, R 16 W. Drilled, water-table domestic and irrigation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 99 feet. Measuring point, top south side of casing, 0.50 foot above lsd. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-64. Mar. 23, 67.88; June 24, 68.34; Sept. 17, 68.24; Dec. 17, 68.38.

8a. (C) Gilbert Yahn. SW SE SE sec. 18, T 27 S, R 18 W. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 14.24 below lsd, Dec. 19, 1963; lowest 16.42 below lsd, Dec. 17, 1964. Records available: 1961-64. Mar. 23, 15.59; June 24, 15.99; Sept. 17, 16.20; Dec. 17, 16.42.

19. (C) C. Williamson. SE NW sec. 21, T 27 S, R 17 W. Drilled, water-table irrigation well in sand and gravel of Pleistocene age; diameter 18 inches, depth 85 feet. Measuring point, lower edge of pump base, 0.50 foot above lsd. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-64. Mar. 23, 31.41; June 24, 31.79; Sept. 17, 33.51; Dec. 17, 33.39.

27-20-35ba. (C) Henry Breusing. Drilled, water-table domestic and stock well in sand and gravel of Pleistocene age; diameter 6 inches, depth 56 feet. Measuring point, ½-inch hole on northwest side of casing, 0.92 foot above lsd. Highest water level 50.36 below lsd, Sept. 17, 1964; lowest 50.77 below lsd, Dec. 17, 1964. Records available: 1964. June 24, 50.67; Sept. 17, 50.36; Dec. 17, 50.77.

**LABETTE COUNTY**

33-19-11aa. (C) Labette County Community High School. Drilled, unused, artesian well in Cotter Dolomite; diameter 4 inches, depth 1,300 feet. Measuring point, south side of pump base, 1.00 foot above lsd. Highest water level 228.50 below lsd, June 9, 1964; lowest 231.50 below lsd, Apr. 12, Aug. 9, 1963. Records available: 1963-64. June 9, 228.50.

34-21-35cc. (C) City of Chetopa. Drilled, unused, artesian well in Roubidoux Formation; diameter 10 inches, depth 1,280 feet. Measuring point, north lip of hole in concrete platform, 1.7 feet above lsd. Records available: 1964. June 24, 92.85.

**LANE COUNTY**

17-30-13cbb. (C) F. L. Burmeister. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 94 feet. Measuring point, top of west side of casing, 0.10 foot above lsd. Highest water level 80.55 below lsd, Apr. 7, 1964; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1948, 1950-64. Jan. 13, 83.77; Apr. 7, 80.55; July 15, P; Oct. 13, 83.94.

18-27-13ccc. (C) C. H. Merriweather. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 94 feet. Measuring point, top southeast side of casing, 0.60 foot above lsd. Highest water level 85.77 below lsd, Oct. 3, 1962; lowest 88.99 below lsd, Sept. 19, 1958. Records available: 1948, 1950-64. Jan. 13, 85.89; Apr. 7, 87.61; July 15, 88.14; Oct. 13, 88.29.

18-28-15ccc. (C) C. S. and F. E. Boone. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 76 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level 53.62 below lsd, Apr. 7, 1964; lowest 56.49 below lsd, Dec. 18, 1957. Records available: 1948, 1950-64. Jan. 13, 53.78; Apr. 7, 53.62; July 15, 53.87; Oct. 13, 54.26.

**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, 1960-64. Feb. 4, 7.93.

**LINCOLN COUNTY**

12-8-8cd. (MB) S. C. Meredith. Dug, unused, water-table well in Dakota Formation; diameter 4 feet, depth 29 feet, cribbed with rock. Measuring point, top of board platform, at land surface. Highest water level 1.58 below lsd, Apr. 3, 1959; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-59, 1961-64. Mar. 17, 9.58; June 8, 9.28; Sept. 16, 10.50; Dec. 15, 10.10.

12-8-11cb. (MB) Jim and Ed Healy. Dug, water-table domestic and stock 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 21.38 below lsd, Dec. 15, 1964. Records available: 1947-64. Mar. 17, 21.15; June 8, 21.35; Sept. 16, 20.83; Dec. 15, 21.38.

12-10-21dd. (MB) F. D. Meyer. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 4 feet, depth 29 feet, cribbed with rock. Measuring point, top of concrete platform, 0.30 foot above lsd. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 27.88 below lsd, Dec. 20, 1956. Records available: 1947-61, 1963-64. Mar. 17, 26.40; June 8, 26.62; Sept. 16, 27.18; Dec. 15, 27.50.

**LINN COUNTY**

20-22-6aa. (C) C. F. Kerr. Dug, water-table domestic well in Upper Pennsylvanian Wyandotte Limestone. Measuring point, top of iron pipe, 0.80 foot above lsd. Highest water level 11.22 below lsd, Mar. 27, 1963; lowest 19.05 below lsd, Sept. 13, 1960. Records available: 1960-61, 1963. Measurement discontinued.

23-25-7daa. (C) O. M. Grigsby. Dug, unused, water-table well in Middle Pennsylvanian Bandera Shale; diameter 36 inches, depth 19 feet, cribbed with rock. Measuring point, top north side of square hole in concrete, 0.60 foot above lsd. Highest water level 1.64 below lsd, Mar. 1, 1949; lowest 17.21 below lsd, May 5, 1948. Records available: 1948-52, 1956-57, 1960-61, 1963. Measurement discontinued.

**LOGAN COUNTY**

1. (C) Octon Estate. SW SW sec. 2, T 11 S, R 32 W. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 104 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 96.25 below lsd, Apr. 21, 1953; lowest 99.75 below lsd, Dec. 19, 1963. Records available: 1942-64. Mar. 16, 98.05; June 15, 97.36. Measurement discontinued.

11-34-16cd. (C) Arthur Peterson. Drilled stock well in Ogallala Formation; depth 142 feet. Measuring point, hole in center of top of tank, 1.50 feet above lsd. Highest water level 118.40 below lsd, Oct. 9, 1962, Dec. 15, 1964; lowest 120.98 below lsd, July 13, 1961. Records available: 1959-64. Mar. 16, 118.70; June 15, 118.79; Sept. 16, 118.67; Dec. 15, 118.40.

13-32-27aa. (C) Owner unknown. Drilled stock well in Niobrara Chalk; diameter 5 inches, depth 49 feet. Measuring point, top of hole in lid over casing, 1.30 feet above lsd. Highest water level 39.23 below lsd, Dec. 15, 1964; lowest 41.14 below lsd, Jan. 9, 1957. Records available: 1956-64. Dec. 15, 39.23.

**McPHERSON COUNTY**

17-3-4bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 3.10 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, 1955-64. Mar. 18, 23.05; June 9, 23.79; Sept. 16, 24.43; Dec. 16, 24.25.

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, 3.80 feet above lsd. Highest water level 8.99 below lsd, Oct. 11, 1950; lowest 22.92 below lsd, Sept. 16, 1964. Records available: 1950-53, 1955-64. Mar. 18, 22.05; June 9, 22.65; Sept. 16, 22.92; Dec. 16, 21.83.

17-3-17dd. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 37 feet. Measuring point, top

## McPHERSON COUNTY—concluded.

of pipe, 0.80 foot above lsd. Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-64. Mar. 18, 27.15; June 9, 27.76; Sept. 16, 27.90; Dec. 16, 27.44.

17-3-19ddd. (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, 4.50 feet above lsd. Highest water level 12.60 below lsd, Oct. 1, 1951; lowest 25.58 below lsd, July 9, 1964. Records available: 1951-64. Mar. 18, 24.34; June 9, 25.58; Sept. 16, 25.27; Dec. 16, 25.40.

17-3-30ddd. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 55 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.92 below lsd, Sept. 7, 1956. Records available: 1946-64. Mar. 18, 30.93; June 9, 31.17; Sept. 16, 31.03; Dec. 16, 31.10.

17-4-20ddd. (MB) U.S.G.S. Jetted observation well in colluvium; diameter  $\frac{3}{4}$  inch, depth 19 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 0.38 below lsd, Mar. 27, 1960; lowest dry, May 11, 1956. Records available: 1950-64. Mar. 18, 12.16; June 9, 12.55; Sept. 16, 12.92; Dec. 16, 11.70.

17-4-25ddd. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits 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 15.11 below lsd, July 24, 1951; lowest 27.93 below lsd, Mar. 18, 1957. Records available: 1946-64. Mar. 18, 26.30; June 9, 27.15; Sept. 16, 27.30; Dec. 16, 27.10.

17-4-29ccc. (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, 4.00 feet above lsd. Highest water level 6.52 below lsd, Aug. 20, 1951; lowest 21.20 below lsd, Dec. 10, 1963. Records available: 1950-53, 1955-64. Mar. 18, 17.18; June 9, 17.43; Sept. 16, 16.55; Dec. 16, 16.65.

17-4-31baa. (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, 2.30 feet above lsd. Highest water level 13.06 below lsd, Aug. 20, 1951; lowest 24.85 below lsd, June 9, 1964. Records available: 1950-53, 1955-64. Mar. 18, 24.70; June 9, 24.85; Sept. 16, 24.18; Dec. 16, 24.40.

17-4-32baa. (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, 1.90 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, 1955-64. Mar. 18, 23.08; June 9, 23.34; Sept. 16, 22.95; Dec. 16, 22.43.

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, 1955-64. Mar. 18, 23.77; June 9, 24.42; Sept. 16, 24.37; Dec. 16, 23.85.

17-4-36abb. (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, 2.70 feet above lsd. Highest water level 15.23 below lsd, Aug. 20, 1951; lowest 29.69 below lsd, June 9, 1964. Records available: 1951-53, 1955-64. Mar. 18, 26.63; June 9, 29.69\*; Sept. 16, 27.28; Dec. 16, 27.77.

17-5-4ddd. (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, 3.00 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, 1955-64. Mar. 18, 16.72; June 9, 16.60; Sept. 16, 15.82; Dec. 16, 15.50.

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, 2.60 feet above lsd. Highest water level 6.01 below lsd, Oct. 1, 1951; lowest 16.52 below lsd, June 9, 1964. Records available: 1951-53, 1955-64. Mar. 18, 16.44; June 9, 16.52; Sept. 16, 15.93; Dec. 16, 16.38.

17-5-7bbb. (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, 3.10 feet above lsd. Highest water level 17.88 below lsd, July 2, 1951; lowest 26.78 below lsd, June 9, 1964. Records available: 1950-53, 1955-64. Mar. 18, 26.50; June 9, 26.78; Sept. 16, 25.83; Dec. 16, 26.68.

17-5-8ccc. (MB) U.S.G.S. Jetted observation well in alluvium; diameter  $\frac{3}{4}$  inch, depth 19 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 3.33 below lsd, Nov. 9, 1951; lowest 12.62 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-64. Mar. 18, 10.45; June 9, 10.80; Sept. 16, 10.62; Dec. 16, 10.34.

17-5-8ddd. (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 since Mar. 18, 1964, 3.45 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, 1955-64. Mar. 18, 11.61; June 9, 11.82; Sept. 16, 10.93; Dec. 16, 10.17.

17-5-11bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter  $\frac{3}{4}$  inch, depth 19 feet. Measuring point, top of pipe, 2.20 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, 1955-64. Mar. 18, 11.38; June 9, 12.24; Sept. 16, 12.50; Dec. 16, 11.57.

17-5-16aaa. (MB) U.S.G.S. Jetted observation well in alluvium; diameter  $\frac{3}{4}$  inch, depth 24 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 10.39 below lsd, Oct. 1, 1951; lowest 20.45 below lsd, June 9, 1964. Records available: 1951-53, 1955-64. Mar. 18, 20.25; June 9, 20.45; Sept. 16, 19.62; Dec. 16, 19.97.

17-5-21dad. (MB) U.S.G.S. Jetted observation well in alluvium; diameter  $\frac{3}{4}$  inch, depth 20 feet. Measuring point, top of pipe, 2.10 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, 1955-64. Mar. 18, 17.78; June 9, 17.88; Sept. 16, 17.62; Dec. 16, 17.93.

17-5-25aaa. (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, 4.00 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, 1955-64. Mar. 18, 16.67; June 9, 17.75; Sept. 16, 16.96; Dec. 16, 17.05.

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, 4.00 feet above lsd. Highest water level 5.00 below lsd, Aug. 20, 1951; lowest 21.73 below lsd, Dec. 17, 1956. Records available: 1950-64. Mar. 18, 20.75; June 9, 20.95; Sept. 16, 20.73; Dec. 16, 20.46.

\* Irrigating 0.15 mile north.



**MEADE COUNTY**

77. (C) J. W. Wood. SE NE sec. 4, T 32 S, R 28 W. Drilled, unused, water-table well in Ogallala Formation and deposits of early Pleistocene age; diameter 3 inches, depth 199 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: 1939-64. Mar. 4, P; June 8, P; Sept. 14, 63.95; Dec. 14, P.

234. (C) Chris Sobba. NW NE 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 64.10 below lsd, Aug. 18, 1963. Records available: 1939-64.

Jan. 5	20.00	Mar. 21	17.20	June 7	23.00
13	17.60	29	18.00	15	20.80
20	17.30	Apr. 5	20.00	21	19.40
26	17.80	19	25.00	30	19.40
Feb. 9	18.50	22	42.40	July 12	32.90
23	17.40	May 3	45.00	19	47.10
29	17.70	17	32.70	Sept. 14	32.10
Mar. 7	17.50	June 1	26.40	Dec. 14	19.59
17	17.20				

30-27-22cd. (C) D. Zortman. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 8 inches, depth 20 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: 1954-64. Mar. 4, 13.84; June 8, 14.30; Sept. 14, 15.62; Dec. 14, 14.42.

30-27-32ddd. (C) Meade County. Driven and bored, water-table observation well in sand and gravel of Pleistocene age; diameter 2 inches, depth 18 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: 1953-64. Mar. 4, 10.37; June 8, 10.36; Sept. 14, 11.58; Dec. 14, 12.19.

30-29-28bb. (C) Edward Pippert. Drilled, artesian irrigation 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 133.89 below lsd, Jan. 14, 1964. Records available: 1959-64. Jan. 14, 133.89.

30-30-27bb. (C) Edith Collingwood. Drilled, water-table stock well in Ogallala Formation; diameter 4 inches, depth 160 feet. Measuring point, edge of steel casing, north side, 1.50 feet above lsd. Highest water level 127.77 below lsd, Sept. 14, 1964; lowest 132.50 below lsd, June 8, 1964. Records available: 1962-64. Mar. 4, 132.35; June 8, 132.50; Sept. 14, 127.77; Dec. 14, 130.76.

32-29-5cc. (C) Carl Odgers. Drilled, artesian irrigation well in sand and gravel of Pliocene and Pleistocene age; diameter 16 inches, depth 360 feet. Measuring point, lower edge of sloping pipe, 0.70 foot above lsd. Highest water level 134.60 below lsd, Jan. 9, 1963; lowest 135.90 below lsd, Jan. 14, 1964. Records available: 1959, 1961-64. Jan. 14, 135.90.

33-28-29bc. (C) Fred Borchers. Drilled, water-table irrigation well in Ogallala Formation and deposits of early Pleistocene age; diameter 16 inches, depth 160 feet. Measuring point, top northeast side of casing, 1.00 foot above lsd. Highest water level 13.10 below lsd, June 10, 1941, May 12, 1942; lowest 18.91 below lsd, Aug. 3,

1939. Records available: 1939-44, 1953-64. Mar. 4, 17.71; June 8, 14.91; Sept. 14, 16.90; Dec. 14, 14.76.

33-30-35cb. (C) Columbian Fuel Corp. Drilled, artesian industrial well in sand and gravel of Pliocene and Pleistocene age; diameter 10 inches, depth 420 feet. Measuring point, lower lip of 4-inch coupling on west side, 0.70 foot above lsd. Highest water level 157.18 below lsd, June 8, 1964; lowest 161.55 below lsd, Jan. 15, 1962. Records available: 1959, 1961-64. Mar. 4, 157.95; June 8, 157.18; Sept. 14, P.

**MITCHELL COUNTY**

6-8-34ccc. (MB) R. L. Metcalf. Dug, water-table domestic and stock 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 14.70 below lsd, June 30, 1962; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-64. Mar. 16, 15.42; June 8, 15.38; Sept. 14, 15.79; Dec. 13, 15.78.

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: 1934-64.

Mar. 5	22.44	June 17	22.89	Dec. 13	24.38
16	22.55	Sept. 14	24.24	14	24.57
June 8	22.77	14	24.30		

6-9-36ddd. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; depth 43 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 19.05 below lsd, June 30, 1962; lowest 26.86 below lsd, May 10, 1961. Records available: 1960-64.

Mar. 16	24.45	June 9	25.4	Sept. 24	26.6
17	24.4	Sept. 14	26.65	Dec. 13	26.48
June 8	25.27				

7-6-27cad. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 8.9 below lsd, June 12, 1962; lowest 18.90 below lsd, Dec. 13, 1964. Records available: 1961-64.

1961					
Dec. 12	13.5	Sept. 14	14.6	June 8	18.10
1962		1963		9	18.4
Jan. 15	13.9	Dec. 9	17.80	Sept. 14	18.65
Mar. 14	14.3	1964		24	18.8
June 12	8.9	Mar. 16	18.72	Dec. 13	18.90

7-7-8ba. (MB) U.S.B.R. Bored, water-table observation 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 41.61 below lsd, Mar. 19, 1963; lowest 44.10 below lsd, Mar. 15, 1961. Records available: 1960-64.

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Mar. 16	43.15	June 9	43.8	Sept. 24	43.6
17	43.2	Sept. 14	43.42	Dec. 13	43.54
June 8	43.23				

7-7-18dda. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1 ¼ inches, depth 31 feet. Measuring point, top of casing, 1.40 feet above lsd. Highest water level 19.95 below lsd, Sept. 18, 1961; lowest 26.68 below lsd, Dec. 13, 1964. Records available: 1960-64.

Mar. 16	25.65	June 9	26.1	Sept. 24	26.4
17	25.7	Sept. 14	26.22	Dec. 13	26.68
June 8	25.85				

7-7-22abb. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 ¼ inches, depth 34 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 19.15 below lsd, Sept. 18, 1961; lowest 25.5 below lsd, Sept. 24, 1964. Records available: 1960-64.

1960					
Nov. 29	23.60	June 12	19.40	Sept. 18	23.58
1961		30	19.40	Dec. 19	23.64
May 10	24.97	Aug. 30	19.79	1964	
June 26	19.98	Sept. 14	20.80	Mar. 16	24.10
Sept. 18	19.15	Oct. 17	20.22	June 8	24.68
Dec. 12	19.50	Nov. 30	20.75	9	24.8
1962		1963		Sept. 14	25.39
Jan. 15	19.70	Mar. 19	21.78	24	25.5
Mar. 14	20.10	June 6	22.40	Dec. 13	25.48

7-7-29bbb. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 ¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.20 below lsd, Sept. 14, 1964; lowest 17.08 below lsd, June 8, 1964. Records available: 1963-64. 1963; Dec. 9, 15.40. 1964: Mar. 16, 16.78; June 8, 17.08; Sept. 14, 14.20; Dec. 13, 16.98.

**MORTON COUNTY**

22. (C) E. A. Wilcox. SW SE SE sec. 14, T 31 S, R 43 W. Drilled, unused, water-table well in Dakota Formation; diameter 5 inches, depth 94 feet. Measuring point, top south side of casing, 1.20 feet above lsd. Highest water level 66.88 below lsd, Oct. 7, 1963; lowest 78.29 below lsd, Aug. 14, 1958. Records available: 1939-53, 1956-64. Jan. 15, 68.58; Apr. 13, 69.04; July 28, 70.21; Oct. 12, P.

117. (C) W. C. Washburn. SW SW 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: 1939-64. Jan. 15, P; Apr. 13, P; July 28, P; Oct. 12, P.

31-40-21dc. (C) Perry A. Williams. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 275 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: 1959-64. Jan. 15, 162.27; July 28, P.

32-42-21bc. (C) Leon and Herbert Jackson. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 189 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 134.16 below lsd, Oct. 12, 1964. Records available: 1959-64. Jan. 15, 114.15; Apr. 13, 121.29; June 28, P; Oct. 12, 134.16.

**NEMAHA COUNTY**

5-13-9dcl. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinian age; diameter 1 ¼ inches, depth 29 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 9.32 below lsd, July 2, 1963; lowest 14.69 below lsd, Nov. 7, 1963. Records available: 1963-64. Feb. 6, 10.43.

5-13-28bbb. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinian age; diameter 1 ¼ inches, depth 23 feet. Measuring point, top of pipe, 5.70 feet above lsd. Highest water level 5.23 below lsd, July 24, 1963; lowest 6.80 below lsd, Sept. 24, 1963. Records available: 1963-64. Feb. 6, 6.09.

5-13-33ddc2. (C) U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinian age; diameter 1 ¼ inches, depth 21 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 6.87 below lsd, Sept. 24, 1963; lowest water level 10.72 below lsd, July 24, 1963. Records available: 1963-64. Feb. 6, 7.77.

**NESS COUNTY**

1. (C) J. E. Ficken. SW SE sec. 32, T 20 S, R 23 W. Drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 19 inches, depth 67 feet. Measuring point, top east side of sill under pump, 2.00 feet above lsd. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-64. Mar. 18, 33.01; June 25, 33.88; Sept. 15, 34.29; Dec. 15, 34.24.

2. (C) C. L. Whitley. SW cor. sec. 20, T 20 S, R 22 W. Dug and drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 20 inches, depth 51 feet. Measuring point, top south side of concrete curb, 0.50 foot above lsd. Highest water level 17.81 below lsd, July 12, 1951; lowest 33.69 below lsd, July 26, 1956. Records available: 1940-64. Mar. 18, 30.50Pe; June 25, 25.39; Sept. 15, 31.59; Dec. 15, 28.13.

18-21-31bc. (C) Ben Sharman. Drilled, unused, water-table domestic well in terrace deposits of Pleistocene age; diameter 5 inches, depth 46 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 38.87 below lsd, June 25, 1964; lowest 40.07 below lsd, Sept. 15, 1964. Records available: 1964. June 25, 38.87; Sept. 15, 40.07; Dec. 15, 40.05.

18-23-31ab. (C) J. H. Lieker. Drilled, water-table domestic 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 45.87 below lsd, July 17, 1962; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-64. Mar. 18, 46.92; June 25, 46.68; Sept. 15, 47.05; Dec. 15, 47.16.

**NORTON COUNTY**

2-21-1bb. (MB) Verner Ross. Drilled, water-table irrigation 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: 1946-64.

Jan. 2	26.6	July 1	26.0	Nov. 4	30.5
Mar. 5	26.2	Sept. 2	35.6		

2-21-11aa. (MB) W. B. Woods. Drilled, water-table irrigation 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: 1945-64.

Jan. 2	31.8	July 1	P	Nov. 4	P
Mar. 5	31.2	Sept. 2	P		

2-25-36dd. (C) L. B. McCabe. Drilled, water-table stock well in Ogallala Formation; diameter 6 inches, depth 56 feet. Measuring point, top edge of casing, 1.00 foot above lsd. Highest water level 41.08 below lsd, Oct. 10, 1962; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954-64. Mar. 17, 41.41; June 16, 41.52; Sept. 18, 41.58; Dec. 17, 41.75.

4-23-11dd. (C) Frank Harting. Drilled, water-table stock and domestic well in Ogallala Formation; diameter 4 inches, depth 71 feet. Measuring point, hole in pump base, 0.45 foot above lsd. Highest water level 46.53 below lsd, Jan. 19, 1961; lowest 48.35 below lsd, Dec. 17, 1964. Records available: 1960-64. Mar. 17, 47.96; Apr. 16, P; Sept. 18, 47.85; Dec. 17, 48.35.

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6-11-34aa. (MB) Wm. E. Lowdon. Dug, unused, water-table well in terrace deposits of Pleistocene age; diameter 28 inches, depth 38 feet, cribbed with rock. Measuring point, top of platform over well, 0.10 foot above lsd. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 37.07 below lsd, June 11, 1946. Records available: 1945-64. Mar. 5, 33.04; June 17, 33.70; Sept. 14, 34.20; Dec. 14, 34.49.

6-12-7bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 40 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 18.30 below lsd, Sept. 14, 1964; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-64.

Feb. 12	19.75	June 17	20.40	Oct. 14	18.70
Mar. 5	20.00	Aug. 18	27.60	Dec. 14	19.30
Apr. 15	20.15	Sept. 14	18.30		

6-12-7dc. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age; diameter ¾ inch, depth 36 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.55 below lsd, June 19, 1951; lowest 25.57 below lsd, May 7, 1958. Records available: 1951-64.

Feb. 12	23.75	June 17	23.35	Oct. 14	23.00
Mar. 5	23.64	Aug. 18	23.15	Dec. 14	23.10
Apr. 15	23.90	Sept. 14	23.18		

6-12-23cd. (MB) C. Fink. Dug, water-table domestic well in terrace deposits of Pleistocene age; diameter 36 inches, depth 30 feet, cribbed with rock. Measuring point, top south side of board platform, 0.75 foot above lsd. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-64. Mar. 5, 20.44; June 17, 21.15; Sept. 14, 21.90; Dec. 14, 22.01.

7-12-15daa. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 36.7 below lsd, Oct. 18, 1963; lowest 44.18 below lsd, Feb. 18, 1958. Records available: 1956-64.

Feb. 7	37.4	June 12	38.2	Oct. 12	37.47
Apr. 16	39.1	Aug. 13	37.4	22	37.6

7-12-15ddd. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 30.10 below lsd, Oct. 20, 1961; lowest 35.54 below lsd, Jan. 14, 1957. Records available: 1956-61. Measurement discontinued.

7-12-23bcb. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 19.4 below lsd, Oct. 18, 1963; lowest 31.30 below lsd, May 17, 1956. Records available: 1956-64.

Feb. 7	25.5	June 12	26.8	Oct. 22	25.5
Apr. 16	26.3	Aug. 13	25.6		

7-12-28ab. (MB) C. E. Galley. Drilled, water-table domestic and stock 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: 1946-64.

Mar. 5	30.99	Sept. 14	31.71	Dec. 14	31.87
June 17	31.20	Oct. 12	31.62		

7-13-7aa. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 42.9 below lsd, Oct. 21, 1964; lowest 53.29 below lsd, May 27, 1957. Records available: 1956-64.

Feb. 5	43.4	June 11	44.0	Oct. 21	42.9
Apr. 15	44.0	Aug. 12	43.9		

7-13-7da. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth

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44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 21.78 below lsd, Oct. 13, 1964; lowest 33.63 below lsd, May 27, 1957. Records available: 1955-64.

Feb. 5	24.7	June 11	25.4	Oct. 13	21.78
Apr. 15	25.1	Aug. 11	25.4	21	25.0

7-13-10cba. (MB) U.S.B.R. Drilled, water-table observation 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 26.60 below lsd, Oct. 18, 1963; lowest 40.55 below lsd, Aug. 15, 1956. Records available: 1956-64.

Feb. 6	28.30	June 11	30.20	Oct. 21	28.80
Apr. 15	29.40	Aug. 12	29.40		

7-13-13bcc. (MB) U.S.B.R. Drilled, water-table observation 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 37.00 below lsd, Feb. 6, 1964; lowest 44.31 below lsd, May 27, 1957. Records available: 1956-64.

Feb. 6	37.00	June 11	38.0	Oct. 13	37.57
Apr. 15	37.6	Aug. 12	37.6	21	37.6

7-13-14dd. (MB) U.S.B.R. Drilled, water-table observation 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: 1956-64.

Feb. 6	10.8	June 11	11.5	Oct. 21	12.0
Apr. 15	10.8	Aug. 12	12.4		

7-13-15bbb. (MB) U.S.B.R. Drilled, water-table observation 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 10.50 below lsd, Oct. 18, 1963; lowest 20.86 below lsd, Apr. 18, 1957. Records available: 1956-64.

Feb. 6	11.8	June 11	12.8	Oct. 13	11.70
Apr. 15	12.8	Aug. 12	11.9	21	11.9

7-13-15da. (MB) J. W. Bathurst. Drilled, water-table domestic well in terrace deposits of Pleistocene age; diameter 12 inches, depth 53 feet, tile casing. Measuring point, top surface of board platform, 1.20 feet above lsd. Highest water level 29.14 below lsd, July 25, 1951; lowest 41.47 below lsd, Mar. 12, 1957. Records available: 1946-64.

Mar. 5	36.20	Sept. 14	36.71	Dec. 14	36.79
June 17	37.04	Oct. 13	34.83		

7-13-16add. (MB) U.S.B.R. Drilled, water-table observation 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 34.20 below lsd, Oct. 18, 1963; lowest 41.86 below lsd, Sept. 12, 1956. Records available: 1956-64. Feb. 6, 36.3; Apr. 15, 37.0; June 11, 38.3; Aug. 12, 34.8.

7-13-17bbc. (MB) U.S.B.R. Drilled, water-table observation 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 4.7 below lsd, Feb. 5, Apr. 15, 1964; lowest 9.72 below lsd, Apr. 18, 1957. Records available: 1956-64.

Feb. 5	4.7	June 11	5.9	Oct. 21	5.2
Apr. 15	4.7	Aug. 11	5.9		

7-13-17cbb. (MB) U.S.B.R. Drilled, water-table observation 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: 1957-64.

Feb. 5	33.5	June 11	33.9	Oct. 21	34.4
Apr. 15	33.7	Aug. 11	34.2		

7-14-4aa2. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 4.50 feet above lsd. Highest water level 16.8 below lsd, Oct. 10, 1963; lowest 22.8 below lsd, June 11, 1962. Records available: 1962-64.

Feb. 5	19.8	June 11	21.0	Oct. 13	17.45
Apr. 15	20.6	Aug. 11	19.8	20	17.6

7-14-4ad2. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 12.9 below lsd, Oct. 20, 1964; lowest 17.65 below lsd, May 8, 1962. Records available: 1962-64.

Feb. 5	14.5	June 11	16.1	Oct. 20	12.9
Apr. 15	15.6	Aug. 11	14.6		

7-14-4dd. (MB) U.S.B.R. Drilled, water-table observation 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 14.0 below lsd, Oct. 4, 1962; lowest 22.37 below lsd, Apr. 18, 1957. Records available: 1956-64.

Feb. 5	16.4	June 11	17.6	Oct. 20	15.9
Apr. 15	17.2	Aug. 11	16.9		

7-14-6cbb. (MB) J. A. Guttery. Drilled stock well in terrace deposits of Pleistocene age; diameter 12 inches, depth 29 feet, tile casing. Measuring point, top east side of surface board platform, 0.40 foot above lsd. Highest water level 15.35 below lsd, Sept. 14, 1964; lowest 24.89 below lsd, Dec. 19, 1956. Records available: 1946-58,

1960-64. Mar. 5, 16.45; June 17, P; Sept. 14, 15.35; Dec. 14, P.

7-14-10bb. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.60 below lsd, June 11, 1962; lowest 10.74 below lsd, Apr. 18, 1957. Records available: 1956-62. Measurement discontinued.

7-15-8ba. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.8 below lsd, Oct. 10, 1963; lowest 35.87 below lsd, Apr. 18, 1957. Records available: 1956-64.

Feb. 4	26.1	June 10	26.4	Oct. 14	24.3
Apr. 14	27.4	Aug. 11	25.1		

7-15-8cc. (MB) F. Dibble. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 4 feet, depth 25 feet, cribbed with stone. Measuring point, top surface of cement platform, 1.10 feet above lsd. Highest water level 16.35 below lsd, Oct. 10, 1963; Sept. 14, 1964; lowest 25.78 below lsd, Mar. 8, 1950. Records available: 1946-64.

Mar. 5	17.71	Sept. 14	16.35	Dec. 14	17.30
June 17	18.25	Oct. 13	16.59		

7-15-12dc. (MB) Tom Hale, Jr. Drilled, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 12 inches, depth 36 feet, tile casing. Measuring point, top south edge of casing, 1.30 feet above lsd. Highest water level 8.56 below lsd, Oct. 11, 1961, July 19, 1962; lowest 25.11 below lsd, Dec. 14, 1964. Records available: 1946-64. Mar. 5, 17.05; June 17, 23.10; Sept. 14, 24.30; Dec. 14, 25.11.

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9-4-6ccd. (MB) U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 13.93 below lsd, Mar. 12, 1962; lowest 21.38 below lsd, May 14, 1960. Records available: 1960-64.

Mar. 16	18.25	June 9	19.2	Sept. 24	19.5
June 8	18.72	Sept. 14	19.25	Dec. 14	19.77

9-4-7cdc. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.10 below lsd, June 12, 1962; lowest 13.9 below lsd, Sept. 24, 1964. Records available: 1960-64.

Mar. 16	12.30	June 9	13.0	Sept. 24	13.9
June 8	12.83	Sept. 14	12.75	Dec. 14	13.65

9-4-7ddd. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 17.24 below lsd, Sept. 18, 1961; lowest 23.7 below lsd, Sept. 24, 1964. Records available: 1960-64.

Mar. 16	22.54	June 9	22.9	Sept. 24	23.7
June 8	22.74	Sept. 14	23.45	Dec. 14	23.59

9-4-32ab. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 5.00 below lsd, June 12, 1962; lowest 15.23 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	14.00	June 9	14.7	Sept. 24	14.5
June 8	14.62	Sept. 14	14.93	Dec. 14	15.23

9-4-33abb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.34 below lsd, June 26, 1961; lowest 26.30 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	25.03	June 9	25.7	Sept. 24	26.1
June 8	25.37	Sept. 14	25.74	Dec. 14	26.30

9-4-33bab. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.47 below lsd, Mar. 12, 1962; lowest 20.75 below lsd, Dec. 14, 1964. Records available: 1960-64. Mar. 16, 18.40; June 8, 19.75; Sept. 14, 20.29; Dec. 14, 20.75.

9-5-1abb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 10.64 below lsd, Sept. 18, 1961; lowest 20.52 below lsd, Dec. 14, 1964. Records available: 1960-64.

Mar. 16	19.2	June 9	19.7	Sept. 24	20.2
17	19.3	Sept. 14	19.97	Dec. 14	20.52
June 8	19.55				

**PAWNEE COUNTY**

8a. (C) Fred B. Reed. NW NW sec. 6, T 22 S, R 16 W. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 4.70 feet above lsd. Highest water level 15.85 below lsd, Mar. 20, 1962; lowest 18.17 below lsd, Sept. 15, 1964. Records available: 1961-64.

Jan. 21	17.09	May 26	17.28	Sept. 15	18.17
Feb. 19	16.50	June 25	17.19	Oct. 19	17.89
Mar. 18	16.95	July 27	17.78	Nov. 19	16.70
Apr. 23	16.35	Aug. 26	18.12	Dec. 15	17.59

21-18-32daa. (C) Sanford Co-Op. Drilled, unused, water-table domestic well in alluvium; diameter 5 inches, depth 73 feet. Measuring point, highest part of casing on northeast side, 0.40 foot above lsd. Highest water level 17.91 below lsd, Apr. 22, 1963; lowest 23.49 below lsd, Oct. 19, 1964. Records available: 1963-64.

## PAWNEE COUNTY—concluded.

Jan. 21	19.89	May 26	20.90	Aug. 26	22.58
Feb. 19	19.97	June 25	21.02	Sept. 15	23.12
Mar. 18	19.92	July 27	21.97	Oct. 19	23.49
Apr. 23	20.01				

21-19-30cc. (C) Kathryn Maller. Water-table irrigation well in terrace deposits; diameter 16 inches, depth 114 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 31.17 below lsd, June 22, 1960; lowest 39.15 below lsd, Nov. 19, 1964. Records available: 1959-64.

Jan. 21	35.95	May 26	37.66	Sept. 15	P
Feb. 19	35.30	June 25	37.13	Oct. 19	P
Mar. 18	P	July 27	P	Nov. 19	39.15
Apr. 23	P	Aug. 26	P	Dec. 15	37.90

22-17-18aa. (Replacement for and about 16 feet east of well #7.) (C) Ralph Lupfer. Drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 16 inches; depth 122 feet. Measuring point, top of 1½-inch pipe, 1.00 foot above lsd. Highest water level 28.80 below lsd, Jan. 21, Feb. 19, 1964; lowest 33.80 below lsd, Aug. 26, 1964. Records available: 1964.

Jan. 21	28.80	May 26	P	Sept. 15	P
Feb. 19	28.80	June 25	30.68	Oct. 19	31.83
Mar. 18	P	July 27	P	Nov. 19	32.45
Apr. 23	28.73	Aug. 26	33.80	Dec. 15	32.67

## PHILLIPS COUNTY

1-19-8abd. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 86 feet. Measuring point, top of pipe, 2.0 feet above lsd. Highest water level 25.0 below lsd, Mar. 20, 1964; lowest 37.1 below lsd, July 2, 1964. Records available: 1964.

Mar. 15	25.5	May 2	26.1	Sept. 9	29.5
20	25.0	July 2	37.1	Nov. 6	27.0

1-19-8ccb. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 2.5 feet above lsd. Highest water level 24.7 below lsd, May 2, 1964; lowest 26.8 below lsd, Nov. 6, 1964. Records available: 1964.

Mar. 19	24.8	May 2	24.7	Sept. 9	26.2
20	24.8	July 2	25.2	Nov. 6	26.8

1-19-18bcc. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 78 feet. Measuring point, top of pipe, 2.3 feet above lsd. Highest water level 26.6 below lsd, May 2, 1964; lowest 35.7 below lsd, Sept. 9, 1964.

Records available: 1964. Mar. 19, 28.4; Mar. 20, 28.6; May 2, 26.6; Sept. 9, 35.7.

1-20-24cdd. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 77 feet. Measuring point, top of pipe, 2.1 feet above lsd. Highest water level 30.5 below lsd, Mar. 15, 1963; lowest 40.8 below lsd, Sept. 3, 1964. Records available: 1963-64.

1963					
Mar. 15	30.5	Sept. 9	35.2	May 21	32.7
20	31.3	1964		July 6	39.9
May 2	31.5	Jan. 9	33.9	Sept. 3	40.8
July 2	36.1	Mar. 12	32.9	Nov. 5	37.3

1-20-27aaa. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.3 feet above lsd. Highest water level 31.5 below lsd, Jan. 9, 1964; lowest 37.0 below lsd, Sept. 3, 1964. Records available: 1963-64.

1963		1964			
Mar. 20	33.6	Jan. 9	31.5	July 6	34.9
May 2	33.4	Mar. 12	34.7	Sept. 3	37.0
July 2	33.6	May 21	34.0	Nov. 5	36.5
Sept. 9	36.9				

4-16-26dd. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.3 feet above lsd. Highest water level 5.00 below lsd, Aug. 13, 1963; lowest 17.10 below lsd, June 17, 1964. Records available: 1962-64.

1962		1963		1964	
May 15	12.80	Feb. 12	11.99	Feb. 10	15.15
28	13.05	Apr. 16	12.70	Apr. 14	16.00
June 18	13.17	June 17	13.95	June 17	17.10
Aug. 14	5.89	Aug. 13	5.00	Aug. 17	13.50
Oct. 16	9.24	Oct. 14	12.50	Oct. 12	15.70

4-16-34bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 32 feet. Measuring point, top of pipe, 1.60 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, 1962. Measurement discontinued.

4-19-35ab. (MB) Glenn Seeger. Drilled, water-table domestic and stock 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. Measurement discontinued.

## POTTAWATOMIE COUNTY

9-11-31dcc. (C) Division of Water Resources. Driven, water-table observation well in alluvium; diameter ¾ inch, depth 26 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 11.84 below lsd, June 30, 1961; lowest 16.95 below lsd, Apr. 1, 1964. Records available: 1959-64.

Feb. 3	16.74	June 2	16.50	Oct. 1	16.32
Mar. 2	16.87	July 1	15.25	Nov. 2	16.71
Apr. 1	16.95	Aug. 3	15.54	Dec. 1	16.52
May 4	16.55	Sept. 1	16.29		

10-8-14cb. (C) Jim Ryan. Drilled irrigation well in alluvium; diameter 18 inches, depth 68 feet. Measuring point, cutout in pump frame, 1.50 feet above lsd. Highest water level 17.91 below lsd, June 30, 1961; lowest 23.77 below lsd, Apr. 1, 1964. 1963 measurements were reported in error; 0.50 foot should be subtracted from the published measurements. Records available: 1961-64.

Feb. 3	23.58	June 2	23.42	Oct. 1	23.17
Mar. 2	23.75	July 1	22.65	Nov. 2	23.44
Apr. 1	23.77	Aug. 3	22.65	Dec. 1	23.32
May 4	23.34	Sept. 1	23.21		

### PRATT COUNTY

26-11-13da. (C) H. C. Jeffers. Drilled, unused well in sand and gravel of Pleistocene age; diameter 8 inches, depth 28 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 5.74 below lsd, Sept. 8, 1951; lowest 16.79 below lsd, Oct. 21, 1963. Records available: 1951-64. Mar. 17, 14.78; June 22, 14.97; Sept. 14, 14.70; Dec. 16, 14.58.

26-13-34bc. (C) George Soaken. Industrial well in sand and gravel of Pleistocene age; diameter 6 inches, depth 75 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 41.63 below lsd, July 18, 1960; lowest 46.27 below lsd, Dec. 16, 1964. Records available: 1959-64. Mar. 20, 43.90; June 23, 44.50; Sept. 16, 45.59; Dec. 16, 46.27.

28-11-2bc. (C) Mr. Armitstead. Drilled industrial well in sand and gravel of Pleistocene age; diameter 6 inches, depth 66 feet. Measuring point, top north side of pipe, 0.30 foot above lsd. Highest water level 13.08 below lsd, Dec. 27, 1962; lowest 15.60 below lsd, Dec. 14, 1964. Records available: 1961-64. Mar. 17, 15.14; June 22, 15.53; Dec. 14, 15.60.

29-13-13aa. (C) E. R. Kessler. Drilled, unused, irrigation well in sand and gravel of Pleistocene age; diameter 10 inches, depth 119 feet. Measuring point, top south side of concrete platform, 0.40 foot above lsd. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-64. Mar. 20, 89.43; June 23, 89.79; Sept. 16, 91.69; Dec. 16, 90.46.

### RAWLINS COUNTY

3-31-7cb. (C) Ernest Carlson. Drilled, water-table stock well in Ogallala Formation; diameter 6 inches, depth 163 feet. Measuring point, hole in east side of pump base, 0.25 foot above lsd. Highest water level 146.25 below lsd, Apr. 12, 1960; lowest 148.09 below lsd, Jan. 15, 1962. Records available: 1959-64. Mar. 16, 146.49; Aug. 25, 146.50; Sept. 17, 146.45; Dec. 16, 146.80.

3-33-3dcc. (C) George Argabright. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 68 feet. Measuring point, hole in north side of pump-head base, at land surface. Highest water level 20.38 below lsd, Oct. 9, 1962; lowest 26.78 below lsd,

July 9, 1963. Records available: 1959-64. Mar. 16, 22.30; June 15, P; Sept. 17, 24.70; Dec. 16, 24.84.

3-36-17ccc. (C) Clarence K. Fisher. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 300 feet. Measuring point, hole in pump base, 0.50 foot above lsd. Highest water level 195.30 below lsd, Apr. 10, 1963; lowest 203.86 below lsd, Sept. 6, 1962. Records available: 1962-64. Mar. 16, 195.69; June 15, 195.31; Sept. 17, 202.42; Dec. 16, 197.10.

4-33-18dd. (C) W. B. Minney. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 104 feet. Measuring point, top north side of hole drilled in pump base, 1.20 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: 1952-64.

Mar. 17	87.82	Aug. 24	87.85	Dec. 16	87.86
June 15	87.80	Sept. 17	87.84		

### RENO COUNTY

855a. (C) City of Wichita. SE SE sec. 9, T 24 S, R 4 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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, 1956-64.

Mar. 31	7.76	Oct. 1	8.95	Dec. 31	8.92
June 30	8.29	Dec. 1	9.06		

22-6-33ba. (C) City of Willowbrook. Drilled, water-table irrigation well in Pleistocene terrace deposits; diameter 12 inches, depth 44 feet. Measuring point, north edge of casing, 0.75 foot above lsd. Highest water level 8.33 below lsd, Sept. 21, 1962; lowest 11.08 below lsd, Sept. 14, 1964. Records available: 1961-64.

Jan. 22	10.43	Mar. 17	10.53	Sept. 14	11.08
Feb. 18	10.47	June 22	10.41	Dec. 14	10.67

### REPUBLIC COUNTY

1-5-7bb. (MB) U.S.G.S. Driven and bored, water-table observation 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: 1947-64.

Mar. 4	7.50	Aug. 3	8.82	Oct. 6	8.73
Apr. 6	7.50	19	9.08	Nov. 2	8.73
June 29	8.28	Sept. 8	8.61	30	8.75

1-5-7cb. (MB) U.S.G.S. Bored, water-table observation 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: 1947-64.

REPUBLIC COUNTY—*continued.*

Mar. 4	18.00	Aug. 3	18.90	Oct. 6	18.94
Apr. 6	18.00	19	19.02	Nov. 2	18.97
June 29	18.69	Sept. 8	19.01	30	19.08

1-5-8cb. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 4.97 below lsd, Sept. 9, 1958; lowest 11.41 below lsd, Feb. 21, 1957. Records available: 1955-64.

Mar. 4	8.30	Aug. 3	9.56	Oct. 6	9.08
Apr. 7	8.20	21	9.30	Nov. 2	9.26
June 29	9.55	Sept. 8	8.22	Dec. 1	9.19

1-5-8dc. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter  $\frac{3}{4}$  inch, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.70 below lsd, May 3, 1951; lowest 8.57 below lsd, Sept. 1, 1955. Records available: 1950-64.

Mar. 4	1.50	Aug. 3	5.80	Oct. 6	3.30
Apr. 7	1.60	21	5.22	Nov. 2	3.38
June 29	4.70	Sept. 8	2.90	Dec. 1	2.70

1-5-9ba. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter  $\frac{3}{4}$  inch, depth 38 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.70 below lsd, Apr. 21, 1960; lowest 24.22 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-64.

Jan. 21	22.0	July 10	24.1	Oct. 9	24.0
Mar. 31	22.4	Sept. 9	24.0	Nov. 10	24.0
May 20	23.9				

1-5-14dc. (MB) U.S.G.S. Jetted, water-table 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 2.93 below lsd, Mar. 19, 1952; lowest 12.10 below lsd, Nov. 8, 1961. Records available: 1950-56, 1958-64.

Jan. 21	6.1	July 10	7.4	Oct. 9	7.7
Mar. 31	5.7	Sept. 9	8.5	Nov. 10	7.4
May 20	6.0				

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

1-5-16ddd. (MB) U.S.B.R. Jetted, water-table observation well in alluvium; diameter  $1\frac{1}{4}$  inches, depth 21 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.49 below lsd, Aug. 14, 1962; lowest 13.90 below lsd, Oct. 4, 1961. Records available: 1961-64.

1961					
June 1	12.35	July 25	10.56	Sept. 12	12.50
July 11	11.19	Aug. 14	10.49	Nov. 12	12.40
Sept. 8	13.10	Sept. 18	11.82	1964	
Oct. 4	13.90	Oct. 11	12.14	Mar. 5	12.70
Nov. 9	13.08	Nov. 10	12.62	Apr. 7	13.00
Dec. 27	13.69	1963		June 29	13.27
1962		Mar. 13	11.80	Aug. 4	13.40
Jan. 15	12.65	Apr. 12	11.99	21	12.98
Feb. 9	12.44	May 8	12.38	Sept. 10	12.64
Mar. 2	12.61	June 14	12.90	Oct. 7	13.20
Apr. 5	12.55	July 11	13.30	Nov. 2	13.33
May 9	12.55	Aug. 13	13.30	30	13.34
June 12	12.06				

1-5-18aa. (MB) U.S.B.R. Drilled, water-table observation 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 2.54 below lsd, Mar. 8, 1963; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-64.

Mar. 4	2.80	Aug. 3	6.47	Oct. 6	4.15
Apr. 7	3.20	21	5.80	Nov. 2	4.02
June 29	5.46	Sept. 8	4.22	Dec. 1	3.68

1-5-18bb. (MB) U.S.B.R. Drilled, water-table observation 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 16.35 below lsd, Nov. 30, 1964; lowest 23.30 below lsd, Mar. 28, 1956. Records available: 1955-64.

Mar. 4	17.05	Aug. 3	17.06	Oct. 6	16.77
Apr. 6	17.05	19	17.11	Nov. 2	16.51
June 29	16.98	Sept. 8	17.05	30	16.35

1-5-18cb. (MB) U.S.B.R. Drilled, water-table observation 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 36.46 below lsd, Aug. 19, 1964; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-64.

Mar. 4	39.90	Aug. 3	37.60	Oct. 6	37.67
Apr. 6	40.10	19	36.46	Nov. 2	37.91
June 29	39.43	Sept. 8	36.89	30	38.53

1-5-18da. (MB) U.S.B.R. Drilled, water-table observation 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 62.70 below lsd, Oct. 6, 1964; lowest 79.29 below lsd, May 6, 1958. Records available: 1955-64.

Mar. 4	64.40	Aug. 3	63.90	Oct. 6	62.70
Apr. 7	64.80	21	63.36	Nov. 2	62.95
June 29	64.31	Sept. 8	62.73	Dec. 1	62.95

1-5-19cb. (MB) U.S.B.R. Drilled, water-table observation 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 13.35 below lsd, Aug. 19, 1964; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-64.



Mar. 4	20.80	Aug. 3	16.15	Oct. 6	16.81
Apr. 6	21.50	19	13.35	Nov. 2	17.75
June 29	22.02	Sept. 8	15.25	30	19.04

1-5-19cc. (MB) U.S.B.R. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 25.62 below lsd, Aug. 19, 1964; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-64.

Mar. 4	27.50	Aug. 3	26.20	Oct. 6	26.30
Apr. 6	27.60	19	25.62	Nov. 2	26.58
June 29	28.53	Sept. 8	25.75	30	27.18

1-5-21cc. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 14.17 below lsd, Aug. 4, 1961; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-64.

Mar. 4	17.80	Aug. 3	15.60	Oct. 6	16.85
Apr. 7	17.90	21	15.07	Nov. 2	17.02
July 2	17.78	Sept. 8	15.94	Dec. 1	17.20

1-5-34bb. (MB) U.S.B.R. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 3.36 below lsd, Aug. 4, 1961; lowest dry, Apr. 24, 1957. Records available: 1949-64.

Mar. 5	12.90	Aug. 4	4.40	Oct. 7	9.95
Apr. 7	13.40	21	6.96	Nov. 2	11.23
June 29	12.58	Sept. 10	8.56	30	12.20

2-4-18cc. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 36 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 3.2 below lsd, Nov. 10, 1964; lowest 18.83 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-64.

Jan. 21	13.7	July 10	14.9	Oct. 9	12.9
Mar. 31	13.0	Aug. 25	13.5	Nov. 10	3.2
May 20	14.0	Sept. 9	12.0		

2-4-18dc. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 44 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 15.40 below lsd, July 16, 1963; lowest 31.80 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59, 1962-64.

Jan. 21	19.5	July 10	16.3	Oct. 9	17.5
Mar. 31	21.0	Aug. 25	16.2	Nov. 10	18.2
May 20	21.4	Sept. 9	17.0		

2-4-31aa. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 17 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.38 below lsd, Mar. 19, 1952; lowest 8.67 below lsd, Sept. 22, 1955.

Records available: 1950-56, 1958-61. Measurement discontinued.

2-4-32cc. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.07 below lsd, Mar. 19, 1952; lowest 13.65 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-64.

Jan. 21	8.8	July 9	8.8	Oct. 9	7.3
Mar. 31	9.5	Aug. 25	7.2	Nov. 10	7.8
May 20	10.0	Sept. 10	6.2		

2-5-5dd (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 9.85 below lsd, May 4, 1960; lowest 18.07 below lsd, Mar. 21, 1957. Records available: 1955-64.

Mar. 6	15.40	Aug. 4	16.57	Oct. 7	16.70
Apr. 7	15.70	19	16.68	Nov. 3	17.18
July 1	16.07	Sept. 10	16.84	Dec. 1	17.39

2-5-6dd. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 46 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 6.95 below lsd, Aug. 4, 1964; lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-64.

Mar. 6	13.30	Aug. 4	6.95	Oct. 7	10.96
Apr. 7	13.90	19	7.90	Nov. 3	12.35
July 1	14.48	Sept. 10	9.84	Dec. 1	12.93

2-5-7dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.11 below lsd, May 4, 1960; lowest 28.21 below lsd, May 8, 1957; Records available: 1956-64.

Mar. 6	25.10	Aug. 4	25.76	Oct. 7	25.72
Apr. 7	25.30	19	25.71	Nov. 3	25.70
July 1	25.74	Sept. 10	25.70	Dec. 1	25.80

2-5-10cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.03 below lsd, May 4, 1960; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	9.40	Aug. 4	11.74	Oct. 7	10.88
Apr. 7	9.40	19	11.45	Nov. 3	11.00
July 1	10.44	Sept. 10	11.37	Dec. 1	10.80

2-5-10dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 24.67 below lsd, Feb. 9, 1962; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-64.

REPUBLIC COUNTY—*continued.*

Mar. 6	31.20	Aug. 4	31.03	Oct. 7	30.73
Apr. 7	31.20	19	29.65	Nov. 3	31.10
July 1	31.11	Sept. 10	30.12	Dec. 1	31.15

2-5-15dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.50 below lsd, Aug. 21, 1963; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-64.

Mar. 6	18.70	Aug. 4	16.80	Oct. 7	17.25
Apr. 7	19.20	19	16.26	Nov. 3	17.90
July 1	20.57	Sept. 10	16.79	Dec. 1	18.32

2-5-17aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet below lsd. Highest water level 5.55 below lsd, May 4, 1960; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	12.60	Aug. 4	12.95	Sept. 10	13.09
Apr. 7	12.70	19	12.95	Oct. 7	13.04
July 1	12.73				

2-5-18bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 5.32 below lsd, July 27, 1962; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 6	9.00	Aug. 4	7.48	Oct. 7	8.58
Apr. 7	9.30	19	7.55	Nov. 3	8.83
July 1	9.18	Sept. 10	8.10	Dec. 1	9.36

2-5-18dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 9.82 below lsd, July 27, 1962; lowest 18.30 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	13.30	Aug. 4	14.85	Oct. 7	15.54
Apr. 7	13.60	19	15.05	Nov. 3	15.75
July 1	14.31	Sept. 10	15.31	Dec. 1	15.88

2-5-19cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 2.87 below lsd, Mar. 14, 1963; lowest 11.33 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	4.30	Aug. 4	5.30	Oct. 7	4.84
Apr. 8	5.50	19	5.15	Nov. 4	4.94
July 1	5.30	Sept. 10	4.97	Dec. 1	4.95

2-5-20aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ 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: 1956-64.

Mar. 6	19.80	Aug. 4	20.54	Oct. 7	20.40
Apr. 7	19.80	19	20.32	Nov. 3	20.33
July 1	20.23	Sept. 10	20.43	Dec. 1	20.20

2-5-20dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ 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: 1956-64.

Mar. 6	4.60	Aug. 4	4.98	Oct. 7	4.97
Apr. 8	4.50	19	3.96	Nov. 3	5.35
July 1	5.79	Sept. 10	4.81	Dec. 1	5.25

2-5-21aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.40 below lsd, Mar. 6, 1964; lowest 25.83 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	17.40	Aug. 4	18.12	Oct. 7	17.87
Apr. 7	17.80	19	17.90	Nov. 3	17.78
July 1	17.90	Sept. 10	17.94	Dec. 1	17.63

2-5-21dd. (MB) U.S.B.R. Drilled observation well; diameter 1¼ inches, depth 17 feet. Measuring point, top of pipe, 3.0 feet above lsd. Highest water level 11.00 below lsd, Apr. 8, 1964; lowest 11.68 below lsd, Oct. 7, 1964. Records available: 1964.

Apr. 8	11.00	Aug. 19	11.52	Nov. 3	11.67
July 1	11.23	Sept. 10	11.58	Dec. 1	11.50
Aug. 4	11.40	Oct. 7	11.68		

2-5-23dd. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 13 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 2.30 below lsd, July 5, 1951; lowest 8.96 below lsd, Mar. 21, 1957. Records available: 1950-64. Mar. 6, 5.70; Apr. 7, 5.80; July 1, 5.60. Measurement discontinued.

2-5-27aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 59 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 22.84 below lsd, Aug. 19, 1964; lowest 34.94 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	24.30	Aug. 4	23.43	Oct. 7	23.38
Apr. 7	24.60	19	22.84	Nov. 3	23.60
July 1	24.81	Sept. 10	23.47	Dec. 1	23.47

2-5-27cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 16.10 below lsd, Aug. 21, 1963; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-64.

Mar. 6	22.20	Aug. 4	18.74	Oct. 7	20.89
Apr. 8	22.50	19	18.27	Nov. 4	21.64
July 1	22.04	Sept. 10	20.13	Dec. 1	21.70

2-5-28cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.56 below lsd, Dec. 1, 1964; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-64.

Mar. 6	4.00	Aug. 4	3.95	Oct. 7	3.74
Apr. 8	4.00	19	3.88	Nov. 4	3.65
July 1	4.05	Sept. 10	3.74	Dec. 1	3.56

2-5-30aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 19.48 below lsd, May 12, 1958; lowest 24.57 below lsd, May 8, 1957. Records available: 1956-64.

Mar. 6	22.50	Aug. 4	22.85	Oct. 7	22.73
Apr. 8	22.70	19	22.82	Nov. 4	22.70
July 1	22.74	Sept. 10	22.77	Dec. 1	22.73

2-5-31aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 12.52 below lsd, Sept. 10, 1964; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-64.

Mar. 6	12.60	Aug. 4	12.54	Oct. 7	12.68
Apr. 8	12.90	19	12.56	Nov. 4	12.73
July 1	12.71	Sept. 10	12.52	Dec. 1	12.67

2-5-31dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.63 below lsd, Sept. 10, 1964; lowest 22.77 below lsd, Nov. 8, 1956. Records available: 1956-58, 1961-62, 1964.

July 1	12.70	Sept. 10	10.63	Nov. 4	11.05
Aug. 4	11.76	Oct. 7	10.80	Dec. 1	11.44
	19				11.12

2-5-35dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 23.50 below lsd, Aug. 21, 1963; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	28.50	Aug. 4	26.03	Oct. 7	26.00
Apr. 8	29.00	19	24.69	Nov. 4	27.03
July 1	29.92	Sept. 10	25.40	Dec. 1	27.17

2-5-36ab. (MB) U.S.G.S. Jetted, water-table observation well in deposits of Pleistocene age; diameter ¾ inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.10 below lsd, Aug. 3, 1951; lowest 22.30 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-64.

Jan. 21	18.5	July 9	19.2	Oct. 9	18.0
Mar. 31	18.7	Aug. 25	14.8	Nov. 10	17.7
May 20	19.2	Sept. 10	17.5		

3-4-17bb. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; 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: 1950-64.

Mar. 10	7.60	Aug. 17	9.02	Nov. 4	8.23
Apr. 8	7.70	Sept. 9	8.33	Dec. 2	8.10
Aug. 5	8.47	Oct. 8	8.20		

3-4-17cc. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; 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: 1950-64.

Mar. 6	8.20	Aug. 17	8.80	Nov. 4	8.81
Apr. 8	8.30	Sept. 9	8.77	Dec. 2	8.88
Aug. 5	8.70	Oct. 8	8.60		

3-4-28ab. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; 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, 1958-64.

Jan. 21	25.4	May 20	26.0	Sept. 10	27.1
Apr. 1	25.8	July 10	26.4	Nov. 10	27.1

3-4-29ab. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; 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 10.3 below lsd, Apr. 1, 1964. Records available: 1950-56, 1958-64.

Jan. 21	8.6	May 20	9.0	Sept. 10	9.9
Apr. 1	10.3	July 10	9.7	Nov. 10	10.2

3-4-30ba. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene and Cretaceous age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 38.65 below lsd, Feb. 12, 1962; lowest 45.06 below lsd, July 14, 1961. Records available: 1956-64.

Mar. 10	41.50	Aug. 17	42.45	Nov. 4	42.67
Apr. 8	41.60	Sept. 9	42.47	Dec. 2	42.67
Aug. 5	42.38	Oct. 8	42.55		

3-4-32cc. (MB) U.S.G.S. Jetted, water-table observation well in deposits of Pleistocene age; 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: 1950-64.

Mar. 10	5.30	Aug. 5	7.47	Oct. 8	7.30
Apr. 9	5.80	17	7.55	Nov. 5	7.32
June 30	6.89	Sept. 4	7.47	Dec. 2	7.30

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3-5-1ab. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.80 below lsd, June 15, 1951; lowest 13.73 below lsd, Nov. 8, 1956. Records available: 1950-59, 1961-64.

Mar. 6	10.20	Aug. 19	8.23	Nov. 14	10.19
Apr. 8	10.30	Sept. 9	9.45	Dec. 1	10.32
Aug. 5	8.25	Oct. 8	9.73		

3-5-2ba. (MB) U.S.B.R. Drilled, water-table observation well in 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 9.03 below lsd, Oct. 7, 1964; lowest 20.65 below lsd, Feb. 19, 1958. Records available: 1956-62, 1964.

July 1	10.28	Sept. 10	9.25	Nov. 4	9.25
Aug. 4	9.75	Oct. 7	9.03	Dec. 1	9.06
19	9.39				

3-5-3aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 11.05 below lsd, Dec. 1, 1964; lowest 18.81 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	11.40	Aug. 4	12.35	Oct. 7	11.58
Apr. 8	11.60	19	12.02	Nov. 4	11.42
July 1	12.04	Sept. 10	11.96	Dec. 1	11.05

3-5-3cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.65 below lsd, Dec. 1, 1964; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-64.

Mar. 6	14.80	Aug. 4	16.04	Oct. 7	15.04
Apr. 8	14.80	19	15.80	Nov. 4	15.00
July 1	15.50	Sept. 10	15.41	Dec. 1	14.65

3-5-4aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 47 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 5.74 below lsd, Sept. 19, 1962; lowest 25.47 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	6.70	Aug. 4	7.38	Oct. 7	6.93
Apr. 8	7.00	19	7.35	Nov. 4	7.20
July 1	7.15	Sept. 10	7.02	Dec. 1	7.20

3-5-5aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 5.35 below lsd, Sept. 14, 1961; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 6	7.00	Aug. 4	6.72	Oct. 7	6.73
Apr. 8	7.00	19	6.35	Nov. 4	7.02
July 1	7.35	Sept. 10	6.61	Dec. 1	7.02

3-5-5dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 55 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.52 below lsd, Sept. 14, 1961; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	17.20	Aug. 4	17.52	Oct. 7	17.50
Apr. 8	17.20	19	16.20	Nov. 4	18.34
July 1	18.64	Sept. 10	17.55	Dec. 1	18.04

3-5-6dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.43 below lsd, Mar. 14, 1963; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-64.

Mar. 6	8.60	Aug. 4	8.85	Oct. 7	9.18
Apr. 8	9.00	19	9.28	Nov. 4	9.45
July 1	10.16	Sept. 10	9.51	Dec. 1	9.06

3-5-8cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene and Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 1.93 below lsd, Sept. 15, 1961; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-64.

Apr. 8	12.00	Aug. 17	9.73	Nov. 4	9.61
July 1	12.33	Sept. 9	8.92	Dec. 2	10.17
Aug. 5	10.05	Oct. 8	8.94		

3-5-10aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.40 below lsd, Aug. 21, 1963; lowest 26.49 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	13.60	Aug. 4	14.15	Oct. 7	13.92
Apr. 8	14.20	19	14.11	Nov. 4	13.80
July 1	14.13	Sept. 10	13.96	Dec. 1	13.57

3-5-12aa. (MB) U.S.B.R. Drilled, water-table 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 14.46 below lsd, Sept. 15, 1961; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 6	15.50	Aug. 4	15.35	Oct. 7	15.43
Apr. 8	15.50	19	15.27	Nov. 4	15.70
July 1	15.58	Sept. 10	15.34	Dec. 1	15.97

3-5-12bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 2.87 below lsd, Sept. 14, 1961; lowest 20.37 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	9.40	Aug. 4	6.80	Oct. 7	7.78
Apr. 8	9.70	19	7.20	Nov. 4	8.60
July 1	9.41	Sept. 10	7.73	Dec. 1	8.80

3-5-12cd. (MB) U.S.B.R. Driven, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 12.20 below lsd, Aug. 17, 1964; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 6	17.10	Aug. 5	13.11	Oct. 8	12.90
Apr. 8	17.40	17	12.20	Nov. 4	13.69
July 1	17.38	Sept. 9	12.47	Dec. 2	13.55

3-5-13cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.40 below lsd, Aug. 21, 1963; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	4.80	Aug. 5	1.58	Oct. 8	3.32
Apr. 8	5.00	17	1.50	Nov. 4	3.90
June 30	4.28	Sept. 9	2.36	Dec. 2	4.00

3-5-14cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 10.21 below lsd, Aug. 5, 1964; lowest 27.52 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 10	12.30	Aug. 5	10.21	Oct. 8	11.00
Apr. 8	12.60	17	10.87	Nov. 4	11.27
June 30	12.57	Sept. 9	10.73	Dec. 2	11.28

3-5-16bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.10 below lsd, Aug. 21, 1963; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 6	14.90	Aug. 5	9.82	Oct. 8	13.27
Apr. 8	15.60	17	8.98	Nov. 4	14.40
July 1	16.25	Sept. 9	11.88	Dec. 2	15.30

3-5-16cd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 54 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 12.50 below lsd, Aug. 22, 1963; lowest 30.16 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	13.80	Aug. 5	13.02	Oct. 8	13.16
Apr. 8	14.00	17	12.60	Nov. 4	13.40
June 30	14.40	Sept. 9	12.78	Dec. 2	13.35

3-5-16dd. (MB) U.S.B.R. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 9 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.20 above lsd, Sept. 15, 1961; lowest dry, entire year of 1957. Records available: 1949-64.

Mar. 10	3.80	Aug. 5	1.76	Oct. 8	3.74
Apr. 8	3.70	17	1.90	Nov. 4	3.85
June 30	2.45	Sept. 9	3.44	Dec. 2	3.84

3-5-18cd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.46 below lsd, Sept. 15, 1961; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 6	9.60	Aug. 5	11.40	Oct. 8	11.72
Apr. 8	9.60	17	11.53	Nov. 4	11.86
June 30	10.95	Sept. 9	11.78	Dec. 2	11.75

3-5-18dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 13.40 below lsd, Dec. 2, 1964; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 6	14.70	Aug. 5	14.42	Oct. 8	13.72
Apr. 8	14.90	17	13.99	Nov. 4	13.78
June 30	14.68	Sept. 9	13.71	Dec. 2	13.40

3-5-20ab. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.52 below lsd, Aug. 17, 1964; lowest 25.59 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 6	9.70	Aug. 5	8.68	Oct. 8	9.88
Apr. 8	9.70	17	6.52	Nov. 4	10.30
June 30	9.25	Sept. 9	9.19	Dec. 2	10.16

3-5-20cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 7.00 below lsd, Aug. 5, 1964; lowest dry, entire year of 1957, Feb. 9, 1959. Records available: 1956-64.

Mar. 10	12.40	Aug. 5	7.00	Oct. 8	10.46
Apr. 8	12.60	17	8.12	Nov. 4	11.05
June 30	11.37	Sept. 9	9.47	Dec. 2	11.30

3-5-21cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 6.30 below lsd, Aug. 22, 1963; lowest 27.99 below lsd, Feb. 19, 1958. Records available: 1956-64.

Mar. 10	8.60	Aug. 5	6.90	Oct. 7	7.58
Apr. 8	7.80	17	6.32	Nov. 4	8.16
June 30	8.43	Sept. 9	6.88	Dec. 2	8.30

3-5-21dd. (MB) U.S.B.R. Bored, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.98 above lsd, Aug. 22, 1963; lowest dry, entire year of 1957. Records available: 1949-64.

Mar. 6	1.10	Aug. 5	+1.08*	Oct. 8	0.03
Apr. 8	1.60	17	+1.77*	Nov. 4	.36
June 30	.42	Sept. 9	+ .86	Dec. 2	.55

\* Surface water by well.

## REPUBLIC COUNTY—concluded.

3-5-22cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 4.47 below lsd, July 31, 1962; lowest dry, May 8, 1957. Records available: 1956-64.

Mar. 6	12.50	Aug. 5	6.03	Oct. 8	10.43
Apr. 8	12.90	17	5.35	Nov. 4	11.22
June 30	8.75	Sept. 9	8.88	Dec. 2	11.53

3-5-33cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 6.91 below lsd, Aug. 17, 1964; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-64.

Mar. 10	12.30	Aug. 5	8.12	Oct. 8	10.07
Apr. 9	12.50	17	6.91	Nov. 5	10.90
June 30	13.19	Sept. 4	8.48	Dec. 2	11.37

3-5-35bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 5.80 below lsd, Sept. 15, 1961; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-64.

Mar. 10	9.20	Aug. 5	9.31	Oct. 8	9.13
Apr. 9	9.10	17	8.87	Nov. 5	9.17
June 30	9.93	Sept. 4	8.86	Dec. 2	9.15

4-4-4cc. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ 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 12.8 below lsd, Apr. 1, Sept. 10, 1964. Records available: 1950-56, 1958-64.

Jan. 21	10.3	May 20	10.8	Sept. 10	12.8
Apr. 1	12.8	July 10	11.2	Nov. 10	12.3

4-4-5aa. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ 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 9.5 below lsd, July 10, 1964. Records available: 1950-56, 1958-64.

Jan. 22	6.8	May 20	6.5	Sept. 10	2.5
Apr. 1	6.2	July 10	9.5	Nov. 10	7.2

4-4-6dc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 55 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 38.50 below lsd, June 20, 1963; lowest 51.50 below lsd, Feb. 9, 1959. Records available: 1956-64.

Mar. 10	42.30	Aug. 5	38.80	Oct. 8	40.37
Apr. 9	42.60	17	38.99	Nov. 5	41.20
June 30	43.38	Sept. 4	39.50	Dec. 2	41.30

4-4-17dc. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ 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 7.6 below lsd, Nov. 10, 1964. Records available: 1950-56, 1958-64.

Jan. 21	6.6	May 20	7.2	Sept. 10	7.3
Apr. 1	7.1	July 10	7.4	Nov. 10	7.6

4-4-21aa. (MB) U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ 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, 1958-64.

Jan. 21	17.0	May 20	15.2	Sept. 10	16.8
Apr. 1	14.1	July 10	14.1	Nov. 10	16.6

4-4-28cc. (MB) U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ 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, 1960-64.

Jan. 21	6.2	May 20	7.7	Sept. 10	6.3
Apr. 1	7.4	July 10	7.7		

4-5-1dd. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.97 below lsd, Oct. 8, 1964; lowest 27.53 below lsd, Feb. 9, 1959. Records available: 1956-64.

Mar. 10	14.30	Aug. 5	14.18	Oct. 8	12.97
Apr. 9	14.40	17	13.50	Nov. 5	13.08
June 30	15.07	Sept. 4	13.10	Dec. 2	13.05

4-5-2cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.97 below lsd, May 14, 1962; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	14.60	Aug. 5	17.62	Oct. 8	17.20
Apr. 9	14.50	17	17.48	Nov. 5	16.91
June 30	16.35	Sept. 4	17.30	Dec. 2	16.40

4-5-4dd. (MB) U.S.B.R. Driven, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.33 below lsd, Aug. 17, 1964; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-64.

Mar. 10	5.10	Aug. 5	3.10	Oct. 8	4.77
Apr. 9	5.20	17	2.33	Nov. 5	5.10
June 30	6.60	Sept. 4	4.34	Dec. 2	4.94

4-5-5dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.16 below lsd, Sept. 18, 1961; lowest dry, Feb. 20, 1957. Records available: 1956-64.

Mar. 10	15.70	Aug. 5	8.50	Oct. 8	11.18
Apr. 9	16.20	17	9.28	Nov. 5	12.86
June 30	9.55	Sept. 4	9.53	Dec. 2	14.06

4-5-9cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.10 below lsd, Aug. 22, 1963; lowest 17.04 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	13.40	Aug. 5	8.30	Oct. 8	9.94
Apr. 9	13.70	17	8.26	Nov. 5	11.02
June 30	14.25	Sept. 4	8.71	Dec. 2	11.65

4-5-11cc. (MB) U.S.B.R. Drilled, water-supply observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.12 below lsd, May 10, 1960; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-64.

Mar. 10	14.40	Aug. 5	14.66	Oct. 8	13.90
Apr. 9	14.60	17	14.62	Nov. 5	14.20
June 30	14.68	Sept. 4	14.00	Dec. 2	14.08

4-5-15bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 35 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 18.94 below lsd, Aug. 5, 1964; lowest 28.88 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	22.00	Aug. 5	18.94	Oct. 8	20.16
Apr. 9	22.10	17	19.55	Nov. 5	20.50
June 30	22.34	Sept. 4	19.68	Dec. 2	20.65

4-5-15cc. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.68 below lsd, Feb. 10, 1960; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	4.20	Aug. 5	6.41	Oct. 8	5.97
Apr. 9	4.00	17	6.70	Nov. 5	6.70
June 30	5.40	Sept. 4	6.61	Dec. 2	6.85

4-5-15dd. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.60 below lsd, July 31, 1962; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	19.30	Aug. 5	19.65	Oct. 8	19.08
Apr. 9	19.60	17	19.65	Nov. 5	19.39
June 30	19.38	Sept. 4	19.70	Dec. 2	19.40

4-5-17bb. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 17.88 below lsd, July 17, 1961; lowest dry, May 8, 1957. Records available: 1956-64.

Mar. 10	19.30	Aug. 5	19.71	Oct. 8	19.37
Apr. 9	19.50	17	19.64	Nov. 5	19.50
June 30	19.71	Sept. 4	19.60	Dec. 2	19.25

4-5-23aa. (MB) U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 5.03 below lsd, Sept. 18, 1961; lowest 16.20 below lsd, Mar. 21, 1957. Records available: 1956-64.

Mar. 10	10.20	Aug. 5	10.72	Oct. 8	9.41
Apr. 9	10.10	17	10.86	Nov. 5	9.95
June 30	10.10	Sept. 4	10.04	Dec. 2	10.12

## RICE COUNTY

19-10-20ad. (C) John Probst. Drilled industrial well in sand and gravel of Pleistocene age; diameter 6 inches, depth 69 feet. Measuring point, top of casing, 0.10 foot above lsd. Highest water level 4.58 below lsd, Aug. 22, 1963; lowest 15.21 below lsd, Sept. 14, 1964. Records available: 1959-64.

Jan. 22	13.48	Mar. 17	13.54	Sept. 14	15.21
Feb. 18	13.51	June 22	14.39	Dec. 14	14.59

20-9-12dda. (C) David C. Griffin. Driven domestic well in alluvium; diameter 1½ inches, depth 32 feet. Measuring point, top of pipe, 0.60 foot above lsd. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 10.38 below lsd, June 19, 1961; lowest 14.63 below lsd, Sept. 14, 1964. Records available: 1960-64.

Jan. 22	13.17	Mar. 17	13.48	Sept. 14	14.63
Feb. 18	13.42	June 22	13.67	Dec. 14	14.03

## ROOKS COUNTY

7-16-9dd. (C) Ed V. Jones. Drilled irrigation well in alluvium; diameter 16 inches, depth 66 feet. Measuring point, breather pipe on north side pump base, 1.30 feet above lsd. Highest water level 39.58 below lsd, Dec. 15, 1962; lowest 50.52 below lsd, Apr. 7, 1959. Records available: 1958-64.

Jan. 17	41.21	Apr. 14	41.52	Sept. 15	43.29
Feb. 17	41.30	May 18	41.62	Oct. 13	43.02
Mar. 6	41.37	June 17	41.75	Dec. 14	42.99

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

**ROOKS COUNTY—concluded.**

of pipe, 3.00 feet above lsd. Highest water level 39.35 below lsd, Nov. 21, 1961; lowest 46.33 below lsd, Dec. 14, 1964. Records available: 1960-64.

Jan. 17	44.94	Apr. 14	45.37	Sept. 15	45.97
Feb. 17	45.09	May 18	45.47	Oct. 13	46.07
Mar. 6	45.18	June 17	45.58	Dec. 14	46.33

7-17-13cbc. (C) Roy Ballard. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 47 feet. Measuring point, top of pipe, 4.30 feet above lsd. Highest water level 20.66 below lsd, July 19, Aug. 16, 1962; lowest 24.95 below lsd, Dec. 14, 1964. Records available: 1960-64.

Jan. 17	23.55	Apr. 14	23.87	Sept. 15	24.62
Feb. 17	23.72	May 18	23.90	Oct. 13	24.78
Mar. 6	23.77	June 17	24.00	Dec. 14	24.95

7-17-24bbb. (C) Roy Ballard. Drilled, water-table stock well in alluvium; diameter 10 inches, depth 31 feet. Measuring point, top northwest side casing, 0.80 foot above lsd. Highest water level 10.15 below lsd, June 14, 1961; lowest 15.39 below lsd, Sept. 14, 1959. Records available: 1958-64.

Jan. 17	14.41	Apr. 14	P	Sept. 15	15.05
Feb. 17	14.47	May 18	14.18	Oct. 13	15.28
Mar. 6	14.49	June 17	14.39	Dec. 14	15.23

7-17-24bbc. (C) Roy Ballard. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 7.66 below lsd, June 14, 1961; lowest 11.55 below lsd, Oct. 13, 1964. Records available: 1960-64.

Jan. 17	11.06	Apr. 14	10.92	Sept. 15	11.24
Feb. 17	11.12	May 18	10.79	Oct. 13	11.55
Mar. 6	11.16	June 17	11.15	Dec. 14	11.52

7-17-24bcc. (C) Roy Ballard. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, at land surface. Highest water level 5.09 below lsd, July 10, 1961; lowest 9.07 below lsd, Dec. 14, 1964. Records available: 1960-64.

Jan. 17	8.70	Apr. 14	8.56	Sept. 15	8.76
Feb. 17	8.78	May 18	8.49	Oct. 13	9.06
Mar. 6	8.81	June 17	8.77	Dec. 14	9.07

7-18-24ac. (C) Reid Baxter. Drilled domestic well in alluvium; diameter 6 inches, depth 30 feet. Measuring point, top east side casing, 0.50 foot above lsd. Highest water level 21.70 below lsd, Apr. 16, 1962; lowest 26.20 below lsd, Dec. 16, 1963. Records available: 1958-64. Jan. 17, 24.96; Feb. 17, 24.71; Mar. 6, 25.38; Apr. 14, 24.28.

7-18-24db. (C) Leon Hamilton. Drilled, water-table

observation well in alluvium; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 17.43 below lsd, Aug. 11, 1960; lowest 19.45 below lsd, Sept. 16, Oct. 13, 1964. Records available: 1960-64.

Jan. 17	19.34	Apr. 14	19.09	Sept. 16	19.45
Feb. 24	19.19	June 2	19.08	Oct. 13	19.45
Mar. 6	19.22	17	18.88	Dec. 21	19.44

7-18-24dc. (C) Dale Shelton. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 24 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 8.74 below lsd, June 14, 1961; lowest 12.95 below lsd, Sept. 16, 1964. Records available: 1960-64.

Jan. 17	11.79	Apr. 14	11.63	Sept. 16	12.95
Feb. 17	11.72	June 2	12.12	Oct. 13	12.93
Mar. 6	11.69	17	12.12	Dec. 21	12.53

7-18-25ac. (C) Omer Henderson. Drilled stock well in alluvium; diameter 6 inches, depth 31 feet. Measuring point, top of casing, at land surface. Highest water level 19.74 below lsd, July 19, 1962; lowest 23.01 below lsd, Sept. 14, 1959. Records available: 1958-64.

Jan. 17	22.10	Apr. 14	21.89	Sept. 15	22.53
Feb. 24	22.22	June 2	21.99	Oct. 13	22.79
Mar. 6	22.14	17	22.48	Dec. 21	22.37

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 14.33 below lsd, June 2, 1964. Records available: 1958-64.

Jan. 17	13.01	Apr. 14	12.90	Sept. 16	13.83
Feb. 17	12.95	June 2	14.33	Oct. 13	13.83
Mar. 6	13.03	17	13.30		

7-19-23cd. (C) Zack McEwen. Dug stock well; diameter 36 inches, depth 23 feet. Measuring point, south side of pump base, 0.30 foot above lsd. Highest water level 13.16 below lsd, June 15, 1960; lowest 18.90 below lsd, Dec. 21, 1964. Records available: 1958-64.

Jan. 17	P	Apr. 14	15.12	Sept. 16	18.30
Feb. 21	15.19	June 2	15.74	Oct. 13	18.64
Mar. 6	15.10	17	15.68	Dec. 21	18.90

**RUSH COUNTY**

18-17-14bbc. (C) Lester Dirks. Drilled observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth 64 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 16.87 below lsd, Sept. 26, 1961; lowest 31.91 below lsd, July 27, 1964. Records available: 1960-64.



Jan. 21	23.67	May 26	24.62	Sept. 15	28.60
Feb. 19	23.65	June 25	24.06	Oct. 19	27.34
Mar. 18	23.68	July 27	31.91*	Nov. 19	27.91
Apr. 23	23.53	Aug. 26	28.53	Dec. 15	26.66

\* Irrigation wells pumping  $\frac{1}{8}$  mile south and  $\frac{1}{4}$  mile south and west.

18-17-14bcc. (C) Lester Dirks. Drilled observation 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 17.71 below lsd, Jan. 17, 1962; lowest 25.94 below lsd, Sept. 7, 1960. Records available: 1960-63. Measurement discontinued.

18-17-14ccc. (C) Jerry F. Oborny. Drilled observation well in alluvium of Pleistocene age; diameter 1½ inches, depth 64 feet. Measuring point, top of pipe, 3.86 feet above lsd. Highest water level 15.75 below lsd, June 20, 1960; lowest 26.28 below lsd, Aug. 26, 1964. Records available: 1960-64.

Jan. 21	21.22	May 26	22.54	Sept. 15	25.61
Feb. 19	21.22	June 25	21.93	Oct. 19	25.74
Mar. 18	21.24	July 27	26.26	Nov. 19	25.51
Apr. 23	21.78	Aug. 26	26.28	Dec. 15	24.77

18-17-14cdc. (C) J. F. Oborny. Drilled irrigation well in alluvium of Pleistocene age; depth 70 feet. Measuring point, hole in southeast side pump base, 0.70 foot above lsd. Highest water level 15.78 below lsd, June 27, 1960; lowest 35.22 below lsd, Aug. 31, 1956. Records available: 1946-50, 1955-64. Dec. 15, 23.52.

18-17-15daa. (C) Louis E. Oborny. Drilled observation well in alluvium of Pleistocene age; diameter 1½ inches, depth 60 feet. Measuring point, top of pipe, 3.35 feet above lsd. Highest water level 16.66 below lsd, June 20, 1960; lowest 30.37 below lsd, July 27, 1964. Records available: 1960-64.

Feb. 19	22.84	June 25	23.45	Oct. 19	27.32
Mar. 18	22.87	July 27	30.37	Nov. 19	27.49
Apr. 23	23.12	Aug. 26	28.38	Dec. 15	26.25
May 26	24.06	Sept. 15	29.48		

18-17-22aad. (C) W. Smercka. Drilled observation well in alluvium of Pleistocene age; diameter 1½ inches, depth 51 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 16.31 below lsd, June 20, 1960; lowest 26.70 below lsd, Aug. 26, 1964. Records available: 1960-64.

Jan. 21	22.04	May 26	23.16	Sept. 15	25.93
Feb. 19	22.02	June 25	22.77	Oct. 19	26.60
Mar. 18	22.10	July 27	26.03	Nov. 19	26.11
Apr. 23	22.26	Aug. 26	26.70	Dec. 15	25.59

18-17-22dad. (C) Mrs. Holopirek. Drilled observation well in alluvium of Pleistocene age; diameter 1½ inches, depth 57 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 22.43 below lsd, June 20, 1960; lowest 31.93 below lsd, Aug. 26, 1964. Records available: 1960-64.

Jan. 21	26.95	May 26	28.18	Sept. 15	31.91
Feb. 19	26.85	June 25	28.20	Oct. 19	31.60
Mar. 18	26.86	July 27	30.47	Nov. 19	31.10
Apr. 23	26.89	Aug. 26	31.93	Dec. 15	30.75

18-17-23bcc. (C) Mrs. Fiala. Drilled observation well in alluvium of Pleistocene age; diameter 1½ inches, depth 56 feet. Measuring point, top of pipe, 3.55 feet above lsd. Highest water level 16.15 below lsd, June 20, 1960; lowest 25.92 below lsd, Sept. 15, 1964. Records available: 1960-64.

Jan. 21	21.23	May 26	22.14	Sept. 15	25.92
Feb. 19	21.15	June 25	22.05	Oct. 19	25.79
Mar. 18	21.04	July 27	24.43	Nov. 19	25.41
Apr. 23	21.36	Aug. 26	25.52	Dec. 15	24.92

18-18-27bc. (C) Lee Dellette. Drilled domestic well in alluvium of Pleistocene age; diameter 5 inches, depth 61 feet. Measuring point, blue mark on northeast side of casing, 0.70 foot above lsd. Highest water level 20.91 below lsd, July 17, 1962; lowest 28.56 below lsd, Aug. 26, 1964. Records available: 1962-64.

Jan. 21	23.65	May 26	24.24	Sept. 15	P
Feb. 19	23.60	June 25	24.24	Oct. 19	27.98
Mar. 18	23.55	July 27	26.98	Nov. 19	27.77
Apr. 23	23.75	Aug. 26	28.56	Dec. 15	27.13

18-20-14ccc. (C) John Georg. Augered observation well in alluvium of Pleistocene age; diameter 1½ inches, depth 48 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 19.97 below lsd, Nov. 7, 1960; lowest 23.72 below lsd, Oct. 19, 1964. Records available: 1960-64.

Jan. 21	22.20	May 26	22.38	Sept. 15	23.61
Feb. 19	22.19	June 25	22.23	Oct. 19	23.72
Mar. 18	22.23	July 27	23.10	Nov. 19	23.61
Apr. 23	22.17	Aug. 26	23.43	Dec. 15	23.63

18-20-23cd. (C) Owner unknown. Unused water-table well in terrace deposits of Pleistocene age; diameter 5 inches, depth 49 feet. Measuring point, top north side of casing, 0.50 foot above lsd. Highest water level 31.55 below lsd, Apr. 18, 1960; lowest 36.81 below lsd, July 25, 1963. Records available: 1954-64.

Jan. 21	34.36	May 26	34.48	Sept. 15	35.27
Feb. 19	34.12	June 25	P	Oct. 19	35.39
Mar. 18	34.19	July 27	P	Nov. 19	35.23
Apr. 23	P	Aug. 26	35.04	Dec. 15	35.29

## RUSSELL COUNTY

80. (C) Joseph Furthmyer, Jr. SE SE 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: 1941-64. Mar. 17, 5.79; June 9, 5.30; Sept. 15, 5.25; Dec. 15, 5.68.

## RUSSELL COUNTY—concluded.

81. (C) Joseph Furthmyer, Jr. SE SE sec. 9, T 14 S, R 15 W. Drilled, water-table stock 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: 1941-64. Mar. 17, 119.29; June 9, 118.00; Sept. 15, 119.86; Dec. 15, 117.15.

117. (C) Marie Dutt and others. SE NE 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 10.70 below lsd, Sept. 15, 1964. Records available: 1941-64. Mar. 16, 10.49; June 9, 10.63; Sept. 15, 10.70; Dec. 15, 8.20.

146. (C) D. P. Steinle. NW NE sec. 24, T 14 S, R 12 W. Dug, unused, water-table well in terrace deposits of Pleistocene age; diameter 28 inches, depth 17 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.60 foot above lsd. Highest water level 11.15 below lsd, Dec. 3, 1962; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-64. Mar. 17, 12.53; June 9, 12.80; Sept. 15, 12.25; Dec. 16, 13.10.

148. (C) John Penix. NE SE sec. 13, T 14 S, R 13 W. Dug, water-table domestic and stock 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, 0.50 foot above lsd. Highest water level 3.04 below lsd, Apr. 14, 1960; lowest 8.45 below lsd, Dec. 10, 1963. Records available: 1941-64. Mar. 17, 7.03; June 9, 7.72; Sept. 15, 8.34; Dec. 16, P.

149. (C) George Boxberger, Jr. NE NE sec. 22, T 14 S, R 14 W. Dug, unused, water-table well in Upper Cretaceous 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: 1941-64. Mar. 17, 20.00; June 10, 19.92; Sept. 15, 20.70\*; Dec. 16, 20.50.

## SALINE COUNTY

14-2-30cd. (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, 2.30 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, 1955-64. Mar. 19, 14.25; June 8, 14.68; Sept. 16, 15.28; Dec. 16, 15.16.

15-2-17cd. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace 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 9.58 below lsd, Oct. 1, 1951; lowest 27.40 below lsd, May 11, 1956. Records available: 1946-64. Mar. 19, 24.35; June 8, 24.80; Sept. 16, 25.23; Dec. 16, 25.17.

15-2-18cd. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 28.65 below lsd, Sept. 7, 1956. Records available: 1946-64. Mar. 19,

25.33; June 8, 25.55; Sept. 16, 25.45; Dec. 16, 25.40.

15-2-30dc. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 35 feet. Measuring point since Mar. 19, 1964, top of pipe, 3.00 feet above lsd. Highest water level 6.56 below lsd, July 24, 1951; lowest 24.59 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-64. Mar. 19, 21.40; June 9, 22.88; Sept. 16, 22.95; Dec. 16, 23.13.

15-2-31ccc. (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, 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, 1955-64. Mar. 19, 17.92; June 9, 18.26; Sept. 16, 18.98; Dec. 16, 18.70.

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, 1955-64. Mar. 19, 21.96; June 8, 22.67; Sept. 16, 23.85; Dec. 16, 23.56.

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, 4.00 feet above lsd. Highest water level 10.02 below lsd, Nov. 9, 1951; lowest 26.15 below lsd, Sept. 16, 1964. Records available: 1951-53, 1955-64. Mar. 19, 25.03; June 8, 25.38; Sept. 16, 26.15; Dec. 16, 25.97.

15-3-24dd. (MB) U.S.G.S. Drilled and driven, water-table observation 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 4.30 below lsd, July 24, 1951; lowest 26.03 below lsd, Sept. 16, 1964. Records available: 1946-53, 1955-64. Mar. 19, 25.03; June 9, 25.52; Sept. 16, 26.03; Dec. 16, 25.92.

15-3-36ab. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 46 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.57 below lsd, Nov. 9, 1951; lowest 32.25 below lsd, Aug. 19, 1957. Records available: 1946-53, 1955-64. Mar. 19, 27.95; June 9, 28.66; Sept. 16, 29.20; Dec. 16, 29.10.

16-2-8ccc. (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, 4.20 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, 1955-64. Mar. 19, 23.62; June 9, 23.58; Sept. 16, 23.55; Dec. 16, 23.50.

16-2-18bbb. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 21.20 below lsd, Aug. 17, 1962; lowest 23.17 below lsd, Mar. 18, 1963. Records available: 1962-64. Mar. 19, 22.83; June 9, 23.11; Sept. 16, 23.15; Dec. 16, 23.14.

16-2-18cc. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter  $1\frac{1}{4}$  inches, depth 35 feet. Measuring point since Mar. 19, 1964, top of pipe, 3.90 feet above lsd. Highest water level 11.76 below lsd, Aug. 17, 1951; lowest 27.39 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-64. Mar. 19, 23.04; June 9, 23.06; Sept. 16, 22.55; Dec. 16, 23.65.

16-3-12abb. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; di-

\* Pumped just before measurement taken.

iameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 19.30 below lsd, Nov. 27, 1962; lowest 22.29 below lsd, Sept. 16, 1964. Records available: 1962-64. Mar. 19, 21.25; June 9, 21.92; Sept. 16, 22.29; Dec. 16, 21.90.

16-3-12bc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 28 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 5.57 below lsd, Mar. 28, 1960; lowest 23.10 below lsd, Nov. 21, 1950. Records available: 1950-53, 1955-64. Mar. 19, 14.98; June 9, 15.36; Sept. 16, 16.14; Dec. 16, 15.55.

16-3-13cd. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 26.25 below lsd, Sept. 7, 1956. Records available: 1946-53, 1955-64. Mar. 19, 21.68; June 9, 22.90; Sept. 16, 22.38; Dec. 16, 22.84.

16-3-26dcd. (MB) U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 4.96 below lsd, July 24, 1951; lowest 23.61 below lsd, Sept. 7, 1956. Records available: 1946-64. Mar. 19, 21.29; June 9, 21.65; Sept. 16, 21.93; Dec. 16, 21.50.

16-3-33ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 40 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.77 below lsd, Oct. 1, 1951; lowest 21.28 below lsd, Sept. 7, 1956. Records available: 1951-53, 1955-64. Mar. 19, 18.00; June 9, 18.60; Sept. 16, 19.02; Dec. 16, 18.33.

**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 128 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: 1931-64.

*Water Levels from Recorder Graph*

Month	5	10	15	20	25	30
Jan.	84.61	.....	84.32	84.21	84.12	84.05
Feb.	83.98	83.94	83.89	83.85	83.80	.....
Mar.	83.74	83.70	83.66	83.45	83.60	83.57
Apr.	83.50	83.50	83.86	84.60	85.12	85.52
May	85.80	86.00	86.12	85.48	85.09	84.80
June	84.68	84.54	84.42	84.32	84.23	84.15
July	84.08	84.03	83.97	84.12	84.80	85.32
Aug.	85.71	85.94	86.14	86.14	86.40	86.49
Sept.	86.64	86.76	86.88	86.89	86.44	86.04
Oct.	85.79	85.55	85.34	85.20	85.08	85.02
Nov.	85.70	86.02	86.22	86.58	86.28	85.88
Dec.	85.60	85.36	85.17	85.06	84.91	84.85

2A. (C) State of Kansas. SE sec. 26, T 18 S, R 33 W. Drilled, water-table observation well in deposits of Pleistocene age; diameter 8 inches, depth 55 feet. Measuring point, top south side of casing, 0.30 foot above lsd. Highest water level 19.85 below lsd, May 8, 1952; lowest 51.09 below lsd, Nov. 29, 1964. Records available: 1944-64. Nov. 29, 51.09.

*Water Levels from Recorder Graph*

Month	5	10	15	20	25	30
Jan.	46.77	46.86	47.44	47.41	47.41	47.38
Feb.	47.27	.....	.....	.....	.....	.....
Mar.	.....	.....	.....	47.14	.....	47.08
Apr.	47.01	46.98	47.15	47.44	47.72	47.90
May	47.89	48.49	47.84	48.58	48.45	48.35
June	48.26	48.16	48.05	47.95	47.86	47.79
July	47.79	47.80	47.88	47.97	48.36	48.70
Aug.	49.05	49.24	49.47	49.61	49.83	49.92
Sept.	50.06	50.35	50.46	50.57	50.27	50.12
Oct.	50.05	49.98	49.98	49.97	49.94	49.89
Nov.	49.86	50.35	50.65	50.82	50.89	51.02
Dec.	50.75	50.59	50.49	50.44	50.36	50.33

19. (C) Mr. Fouquet. SE NE sec. 12, T 18 S, R 33 W. Drilled, water-table irrigation well in Ogallala Formation; diameter 12 inches, depth 87 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 89.00 below lsd, Sept. 8, 1964. Records available: 1939-64.

Jan. 13	65.76	May 13	67.40	Sept. 8	89.00
Feb. 3	65.51	June 9	67.70	Oct. 13	75.05
Mar. 18	64.72	July 15	78.24	Nov. 18	70.17
Apr. 17	68.98	Aug. 10	82.73*	Dec. 16	71.51

\* Well pumping 150 feet SE.

50. (C) F. M. Houstin. SW SW SE sec. 28, T 19 S, R 32 W. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 126 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: 1939-64.

Jan. 13	86.30	May 13	87.48	Sept. 8	86.67
Feb. 3	86.32	June 9	86.57	Oct. 13	86.69
Mar. 18	86.25	July 15	96.53	Nov. 18	86.65
Apr. 7	86.51	Aug. 10	86.49	Dec. 16	86.75

207. (C) Samuel Bontrager. NW SW sec. 29, T 19 S, R 33 W. Irrigation well in Ogallala Formation; diameter 24 inches, depth 109 feet. Measuring point, top of pump frame, 1.70 feet above lsd. Highest water level 69.84 below lsd, Apr. 13, 1936; lowest dry, Sept. 4, 1963, Sept. 8, 1964. Records available: 1929, 1936, 1939-42, 1958-64.

Jan. 13	103.25	July 15	102.72Pc*
Feb. 3	97.96	Aug. 10	106.16
Mar. 18	108.60Pc*	Sept. 8	dry Pc*
Apr. 7	102.65Pc†	Oct. 13	105.86
May 13	99.50	Nov. 16	106.25
June 9	101.77	Dec. 16	104.66

\* Well pumping 30 feet SE.

† Well pumping 500 feet WNW.

256. (C) James E. Ely. NE NW sec. 13, T 20 S, R 33 W. Irrigation well in Ogallala Formation; diameter 16 inches, depth 125 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 58.90 below lsd, Oct. 8, 1963. Records available: 1944, 1958-64.

## SCOTT COUNTY—concluded.

Jan. 13	56.80	May 13	P	Sept. 8	P
Feb. 3	52.36	June 9	58.74	Oct. 13	P
Mar. 18	P	July 15	P	Nov. 16	P
Apr. 7	57.05	Aug. 10	P	Dec. 16	P

16-33-19cb. (C) Roy Fairleigh. Drilled irrigation well in Ogallala Formation; diameter 18 inches, depth 189 feet. Measuring point, hole in north pump base, 0.75 foot above lsd. Highest water level 129.78 below lsd, Dec. 12, 1960; lowest 145.12 below lsd, Dec. 16, 1964. Records available: 1959-64. Mar. 18, P; June 9, 138.94; Sept. 8, P; Dec. 16, 145.12.

## SEDGWICK COUNTY

12. (C) Dr. A. D. Updegraph. NW SE 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: 1937-64.

Jan. 24	17.45	June 26	17.67	Oct. 26	18.00
Feb. 25	17.61	July 24	17.89	Nov. 25	17.48
Mar. 25	17.71	Aug. 26	17.86	Dec. 1	17.48
Apr. 24	17.78	Sept. 25	17.51	31	17.29
May 25	17.64				

26. (C) Wichita Water Co. SW SW sec. 18, T 27 S, R 1 E. Drilled, water-table observation 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: 1937-64.

Jan. 3	13.91	May 15	13.98	Aug. 28	14.72
17	13.97	21	15.22*	Sept. 4	14.68
24	13.80	June 5	14.74	18	14.43
Feb. 14	13.10	12	14.59	25	14.37
20	13.87	19	13.95	Oct. 2	14.47
Mar. 6	13.65	26	14.58	16	14.54
13	13.85	July 2	14.98	Nov. 6	14.45
20	13.90	10	16.52	13	14.46
27	13.88	20	16.13	20	12.39
Apr. 3	13.94	24	16.82	Dec. 4	13.89
10	14.26	31	16.79	11	13.84
May 1	13.86	Aug. 14	15.14	18	13.85
8	13.76	21	15.14	31	13.94

\* Local well pumping hard.

114. (C) City of Wichita. NE cor. sec. 7, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.35 below lsd, Oct. 2, 1958; lowest 9.66 below lsd, Mar. 1, 1957. Records available: 1954-64.

Jan. 2	8.32	June 30	9.06	Dec. 1	8.08
Mar. 31	7.59	Oct. 1	9.10	31	7.93

115. (C) City of Wichita. NW cor. sec. 22, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.22 below lsd, July 1, 1957; lowest 8.83 below lsd, Nov. 1, 1956. Records available: 1954-64.

Jan. 2	7.11	June 30	6.83	Dec. 1	4.80
Mar. 31	7.09	Oct. 1	6.36	31	5.16

117. (C) City of Wichita. SW cor. sec. 20, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.87 below lsd, Nov. 30, 1961; lowest 14.79 below lsd, Apr. 1, 1957. Records available: 1954-64.

Jan. 2	13.16	June 30	13.50	Dec. 1	12.38
Mar. 31	13.61	Oct. 1	13.18	31	12.19

124. (C) City of Wichita. SE SE 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 11.70 below lsd, June 1, 1962; lowest 20.73 below lsd, Mar. 1, 1957. Records available: 1955-64.

Jan. 2	18.11	June 30	18.57	Dec. 1	17.88
Mar. 31	18.53	Oct. 1	18.65	31	18.00

125. (C) City of Wichita. SW cor. sec. 10, T 25 S, R 1 W. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 5.85 below lsd, May 31, 1962; lowest 15.69 below lsd, Apr. 1, 1959. Records available: 1956-64.

Jan. 2	12.85	June 30	13.03	Dec. 1	11.98
Mar. 31	13.14	Oct. 1	12.96	31	12.10

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: 1955-64.

Jan. 2	13.59	June 30	13.76	Dec. 1	12.20
Mar. 31	13.90	Oct. 1	13.32	31	12.55

307. (C) J. R. Clark. NW NW SW 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, 1956-64.

Jan. 2	21.09	June 30	22.38	Dec. 1	23.35
Mar. 31	21.48	Oct. 1	23.03	31	22.98

804r. (C) City of Wichita. SE cor. sec. 16, T 26 S, R 1 W. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 0.33 foot above lsd. Highest water level 3.41 below lsd, Oct. 31, 1962; lowest 5.30 below lsd, July 29, 1964. Records available: 1962-64.

Jan. 2	4.80	May 25	4.77	Oct. 1	5.02
22	4.82	June 22	4.50	19	5.27
Feb. 18	4.71	30	4.58	Nov. 20	4.33
Mar. 17	4.77	July 29	5.30	Dec. 14	3.54
31	4.67	Aug. 25	5.20	31	3.62
Apr. 24	4.61	Sept. 14	5.28		

805. (C) City of Wichita. NW NE sec. 19, T 26 S, R 1 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.57 below lsd, May 2, 1945; lowest 8.66 below lsd, Jan. 3, 1956. Records available: 1958-64.

Jan. 2	5.23	May 25	5.78	Oct. 1	5.89
22	5.29	June 25	5.67	19	6.05
Feb. 18	5.23	30	5.71	Nov. 20	5.67
Mar. 17	4.83	July 29	6.36	Dec. 14	4.34
31	5.24	Aug. 25	6.20	31	4.55
Apr. 24	5.50	Sept. 14	6.31		

807. (C) City of Wichita. NW NW sec. 10, T 26 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-64.

Jan. 2	23.80	May 25	23.83	Oct. 1	24.36
22	23.85	June 22	23.89	19	24.48
Feb. 18	23.84	30	23.92	Nov. 20	24.26
Mar. 17	23.84	July 29	24.34	Dec. 14	23.94
31	23.84	Aug. 25	24.32	31	23.73
Apr. 24	23.90	Sept. 14	24.46		

808. (C) City of Wichita. SW NW sec. 18, T 26 S, R 3 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest 24.32 below lsd, Oct. 20, 1960. Records available: 1938-53, 1958-64.

Jan. 2	22.96	May 25	23.25	Oct. 1	23.79
22	22.06	June 22	23.25	19	23.90
Feb. 18	23.08	30	23.30	Nov. 20	23.29
Mar. 17	23.11	July 29	23.47	Dec. 14	23.77
31	23.10	Aug. 25	23.77	31	23.68
Apr. 24	23.22	Sept. 14	23.80		

809. (C) City of Wichita. NW cor. sec. 21, T 26 S, R 1 E. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.68 below lsd, Jan. 31, 1957. Records available: 1938-64.

Jan. 2	14.30	June 30	14.50	Dec. 31	13.73
Mar. 31	14.65	Oct. 1	14.47		

810. (C) City of Wichita. NE cor. SE sec. 35, T 25 S, R 1 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 14.82 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1938-64.

Jan. 2	14.23	June 30	13.98	Dec. 1	13.24
Mar. 31	14.45	Oct. 1	13.97	31	13.43

812. (C) City of Wichita. NW cor. sec. 27, T 25 S, R 1 W. Driven, water-table observation 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: 1938-64.

Jan. 2	13.84	June 30	14.10	Dec. 1	12.40
Mar. 31	14.18	Oct. 1	13.45	31	12.46

814. (C) City of Wichita. SE cor. sec. 14, T 25 S, R 1 W. Driven, water-table observation 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 2.29 below lsd, June 25, 1962; lowest 19.00 below lsd, Apr. 1, 1957. Records available: 1938-64.

Jan. 2	14.24	June 30	15.05	Dec. 1	14.65
Mar. 31	14.73	Oct. 1	15.36	31	14.76

815. (C) City of Wichita. NE cor. sec. 17, T 25 S, R 1 W. Driven, water-table observation 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: 1938-64.

Jan. 2	17.50	June 30	18.18	Dec. 1	17.50
Mar. 31	18.00	Oct. 1	17.95	31	17.26

816. (C) City of Wichita. SW cor. sec. 7, T 25 S, R 1 W. Driven water-table observation 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: 1938-64.

Jan. 2	19.86	June 30	21.20	Dec. 1	21.22
Mar. 31	20.50	Oct. 1	21.62	31	20.64

825. (C) City of Wichita. NE cor. sec. 3, T 25 S, R 1 W. Driven, water-table observation 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

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15.18 below lsd, Dec. 5, 1947. Records available: 1938-64.

Jan. 2	9.45	June 30	9.88	Dec. 1	9.20
Mar. 31	9.83	Oct. 1	9.92	31	9.13

826. (C) City of Wichita. NE cor. sec. 5, T 25 S, R 1 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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, 1955-64.

Jan. 2	12.73	June 30	13.11	Dec. 1	12.19
Mar. 31	13.24	Oct. 1	13.05	31	12.26

830r. (C) City of Wichita. SW cor. sec. 30, T 25 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 57 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 20.60 below lsd, Nov. 22, 1960; lowest 28.67 below lsd, Aug. 25, 1964. Records available: 1960-64.

Jan. 2	27.52	May 25	27.70	Oct. 1	28.17
22	27.46	June 22	27.83	19	28.30
Feb. 18	27.45	30	27.93	Nov. 20	27.34
Mar. 17	27.51	July 29	28.65	Dec. 14	28.17
31	27.46	Aug. 25	28.67	31	27.08
Apr. 24	27.65	Sept. 14	28.40		

834. (C) City of Wichita. SW cor. sec. 9, T 25 S, R 3 W. Driven water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1938-64. Mar. 31, 10.35; June 30, 10.90; Oct. 1, 11.20; Dec. 31, 10.08.

838. (C) City of Wichita. NE NW sec. 33, T 25 S, R 3 W. Driven, water-table observation well in sand; diameter 1 1/4 inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 16.69 below lsd, Jan. 1, 1961; lowest dry entire year of 1955. Records available: 1938-53, 1955, 1958-64. Mar. 31, 25.75; June 30, 26.08; Oct. 1, 26.73; Dec. 31, 26.07.

840a. (C) City of Wichita. SW SW sec. 3, T 25 S, R 2 W. Drilled, water-table observation 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: 1952-64.

Mar. 31	14.10	Oct. 1	14.50	Dec. 31	13.69
June 30	14.28	Dec. 1	13.80		

842. (C) City of Wichita. NW cor. sec. 16, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 10.48 below lsd, Mar. 1, 1957. Records available: 1939-64.

Mar. 31	8.88	Oct. 1	8.81	Dec. 31	7.39
June 30	8.70	Dec. 1	7.53		

847. (C) City of Wichita. SW cor. SE sec. 6, T 27 S, R 1 E. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.55 below lsd, May 8, 1944; lowest 22.10 below lsd, June 27, 1962. Records available: 1939-64. Mar. 31, 17.09; June 30, 17.05; Oct. 1, 17.43; Dec. 31, 16.96.

870. (C) W. Williams. NW NE NE sec. 18, T 25 S, R 2 W. Driven, water-table stock well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 19 feet. Measuring point, top of pipe, top of pump base, 2.50 feet above lsd. Highest water level 0.33 below lsd, July 10, 1951; lowest 9.52 below lsd, Dec. 1, 1954. Records available: 1939-64.

Mar. 31	9.11	Oct. 1	9.32	Dec. 31	8.10
June 30	9.01	Dec. 1	8.21		

1171. (C) City of Wichita. NE cor. sec. 4, T 25 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 22.67 below lsd, Apr. 2, 1957. Records available: 1950-64.

Mar. 31	20.20	Oct. 1	21.37	Dec. 31	20.68
June 30	20.80	Dec. 1	20.82		

1176. (C) City of Wichita. SW cor. sec. 5, T 25 S, R 1 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 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: 1950-64.

Mar. 31	18.51	Oct. 1	18.87	Dec. 31	18.42
June 30	19.10	Dec. 1	18.28		

3004. (C) City of Wichita. SE cor. sec. 1, T 25 S, R 3 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 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: 1949-64.

Mar. 31	10.58	Oct. 1	10.92	Dec. 31	10.23
June 30	10.67	Dec. 1	10.48		

3030. (C) City of Wichita. SW NW SW sec. 11, T 25 S, R 2 W. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 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: 1950-64.

Mar. 31	12.50	Oct. 1	12.78	Dec. 31	11.78
June 30	12.85	Dec. 1	12.00		

3041. (C) City of Wichita. SE cor. sec. 3, T 25 S, R 3 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 17 feet. Measuring point at land surface. Highest water level 8.99 below lsd, July 31, 1961; lowest 13.63 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1953-64.

Mar. 31	11.44	Oct. 1	11.80	Dec. 31	10.91
June 30	11.62	Dec. 1	11.00		

3044. (C) City of Wichita. SW cor. sec. 14, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 24 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 3.64 below lsd, July 31, 1961; lowest 10.07 below lsd, Mar. 1, 1957. Records available: 1953-64.

Mar. 31	8.10	Oct. 1	7.13	Dec. 31	5.87
June 30	9.13	Dec. 1	5.89		

3045. (C) Frisco Railroad. SW NW NW sec. 13, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 65 feet. Measuring point, steel plate on instrument shelf since Jan. 31, 1964, 1.80 feet above lsd. Highest water level 11.73 below lsd, Aug. 25, 30, 1961; lowest 21.76 below lsd, Feb. 25, 1958. Records available: 1954-64. Jan. 7, 15.42; Jan. 31, 15.61.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	.....	.....	.....	.....	.....	.....
Feb.	15.61	15.62	15.67	15.72	15.75	.....
Mar.	15.89	15.89	15.95	16.00	16.07	16.18
Apr.	16.15	16.20	16.28	16.33	16.29	16.31
May	16.29	16.25	16.25	16.24	16.25	16.22
June	16.26	16.33	16.36	16.43	16.50	16.58
July	16.64	16.67	16.68	16.76	16.84	16.84
Aug.	16.86	16.65	16.65	16.77	16.76	16.64
Sept.	16.62	16.65	16.24	16.23	.....	16.22
Oct.	16.22	16.23	16.22	16.27	16.31	16.34
Nov.	16.33	16.40	.....	.....	.....	.....
Dec.	15.45	15.43	15.42	15.40	15.38	15.34

3050r. (C) City of Wichita. SE cor. sec. 24, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 6.23 below lsd, Nov. 30, 1961; lowest 9.84 below lsd, Mar. 31, 1964. Records available: 1961-64.

Mar. 31	9.84	Oct. 1	9.08	Dec. 31	8.13
June 30	9.63	Dec. 1	8.29		

3050d. (C) City of Wichita. SE cor. sec. 24, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; depth 165 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.90 below lsd, Nov. 30, 1961; lowest 10.52 below lsd, Mar. 31, 1964. Records available: 1961-64.

Mar. 31	10.52	Oct. 1	9.90	Dec. 31	9.05
June 30	10.38	Dec. 1	9.07		

M-25b. (C) City of Wichita. NE NW sec. 1, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 31.67 below lsd, Apr. 1, 1957. Records available: 1939-64.

Jan. 2	19.79	July 31	23.00Pc
31	20.10	Sept. 1	23.08Pc
Mar. 2	20.01	Oct. 1	22.73Pc
Apr. 1	21.23Pc	Nov. 2	22.70Pc
May 1	21.40	Dec. 1	22.50Pc
June 1	21.66Pc	31	22.84Pc
July 1	21.50		

M-27. (C) City of Wichita. NW cor. sec. 2, T 25 S, R 2 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	23.00	July 31	78.00Pm
31	24.00	Sept. 1	26.00
Mar. 2	23.00	Oct. 1	81.00Pm
Apr. 1	76.00Pm	Nov. 2	24.00
May 1	22.00	Dec. 1	81.00Pm
June 1	77.00Pm	31	82.00Pm
July 1	23.00		

M-27b. (C) City of Wichita. NE cor. sec. 3, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1947-64.

Jan. 2	22.70	July 31	25.18Pc
31	22.96	Sept. 1	24.54
Mar. 2	23.30	Oct. 1	25.69Pc
Apr. 1	24.16Pc	Nov. 2	24.58
May 1	23.42	Dec. 1	25.21Pc
June 1	24.60Pc	31	25.13Pc
July 1	24.05		

M-28. (C) City of Wichita. NE NW sec. 2, T 25 S, R 2 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	69.00Pm	July 31	23.50
31	26.00	Sept. 1	72.00Pm
Mar. 2	71.00Pm	Oct. 1	24.00
Apr. 1	24.00	Nov. 2	78.00Pm
May 1	71.00Pm	Dec. 1	23.00
June 1	23.00	31	25.00
July 1	73.00Pm		

M-28b. (C) City of Wichita. NW NE sec. 2, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth

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62 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: 1947-64.

Jan. 2	23.04Pc	July 31	24.34
31	23.10	Sept. 1	24.88Pc
Mar. 2	23.53Pc	Oct. 1	24.73
Apr. 1	23.20	Nov. 2	25.02Pc
May 1	23.95Pc	Dec. 1	24.89
June 1	23.81	31	24.64
July 1	24.24Pc		

M-29. (C) City of Wichita. NW cor. sec. 11, T 25 S, R 2 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	56.50Pm	July 31	24.50
31	22.00	Sept. 1	25.00
Mar. 2	56.00Pm	Oct. 1	58.00Pm
Apr. 1	55.00Pm	Nov. 2	25.00
May 1	21.27	Dec. 1	24.00
June 1	22.83	31	23.00
July 1	58.00Pm		

M-29b. (C) City of Wichita. NW NW sec. 11, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1947-64.

Jan. 2	22.28Pc	July 31	21.22
31	18.92	Sept. 1	21.31
Mar. 2	22.63Pc	Oct. 1	24.06
Apr. 1	22.79Pc	Nov. 2	21.36
May 1	19.10	Dec. 1	20.89
June 1	20.52	31	22.50
July 1	23.61		

M-30. (C) City of Wichita. NE NW sec. 11, T 25 S, R 2 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	21.00	July 31	55.00Pm
31	21.00	Sept. 1	56.00Pm
Mar. 2	21.00	Oct. 1	22.00
Apr. 1	21.00	Nov. 2	57.00Pm
May 1	20.00	Dec. 1	54.00Pm
June 1	54.00Pm	31	20.00
July 1	21.00		

M-30b. (C) City of Wichita. NW NE sec. 11, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1947-64.

Jan. 2	19.05	July 31	23.84
31	19.21	Sept. 1	24.13
Mar. 2	19.19	Oct. 1	20.93
Apr. 1	19.64	Nov. 2	24.36
May 1	19.30	Dec. 1	23.90
June 1	22.95Pc	31	20.02
July 1	20.57		

M-31. (C) City of Wichita. NW cor. sec. 12, T 25 S, R 2 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	23.00Pm	July 31	24.00
31	22.00	Sept. 1	24.50
Mar. 2	57.00Pm	Oct. 1	24.00
Apr. 1	56.00Pm	Nov. 2	24.00
May 1	60.00Pm	Dec. 1	56.00Pm
June 1	22.00	31	61.00Pm
July 1	57.00Pm		

M-31b. (C) City of Wichita. NW cor. sec. 12, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1947-64.

Jan. 2	22.26	July 31	23.43
31	21.71	Sept. 1	24.19
Mar. 2	21.58Pc	Oct. 1	23.32
Apr. 1	22.95Pc	Nov. 2	23.82
May 1	23.90Pc	Dec. 1	24.90Pc
June 1	22.14	31	24.68Pc
July 1	24.08Pc		

M-32. (C) City of Wichita. NE NE NW sec. 12, T 25 S, R 2 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	22.00	July 31	59.50Pm
31	60.50Pm	Sept. 1	61.00Pm
Mar. 2	23.00	Oct. 1	62.00Pm
Apr. 1	23.50	Nov. 2	62.00Pm
May 1	23.00	Dec. 1	24.00
June 1	22.00	31	23.00
July 1	22.50		

M-32b. (C) City of Wichita. NE NW sec. 12, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1947-64.

Jan. 2	21.04	July 31	23.63Pc
31	21.70Pc	Sept. 1	23.58Pc
Mar. 2	21.97	Oct. 1	23.63Pc
Apr. 1	22.15	Nov. 2	23.70Pc
May 1	22.28	Dec. 1	22.90
June 1	22.20	31	22.56
July 1	22.56		

M-33. (C) City of Wichita. NE SE sec. 1, T 25 S, R 2 W. Drilled, water-table public-supply 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 81.06 below lsd, July 2, Aug. 1, 1956. Records available: 1947, 1949-64.

Jan. 2	48.00Pm	July 31	23.00
31	20.46	Sept. 1	24.00
Mar. 2	21.00	Oct. 1	24.00
Apr. 1	43.50Pm	Nov. 2	48.00Pm
May 1	44.00Pm	Dec. 1	23.00
June 1	43.00Pm	31	22.00
July 1	45.00Pm		

M-33b. (C) City of Wichita. SE NE sec. 1, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 75 feet. Measuring point, top of casing, 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: 1947-64.

Jan. 2	17.45Pc	July 31	19.94
31	17.76	Sept. 1	19.03
Mar. 2	17.90	Oct. 1	20.06
Apr. 1	18.66Pc	Nov. 2	20.34Pc
May 1	19.20Pc	Dec. 1	19.46
June 1	20.22Pc	31	19.10
July 1	19.71Pc		

M-34. (C) City of Wichita. SW cor. sec. 6, T 25 S, R 1 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	21.00	July 1	25.00
31	49.00Pm	31	48.00Pm
Mar. 2	23.00	Sept. 1	49.00Pm
Apr. 1	48.00Pm	Nov. 2	24.00
May 1	24.00	Dec. 1	48.00Pm
June 1	23.00	31	24.00

M-34b. (C) City of Wichita. SW SW sec. 6, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1947-64.

Jan. 2	18.76	July 31	20.10Pc
31	19.25Pc	Sept. 1	21.54Pc
Mar. 2	19.76	Oct. 1	21.60
Apr. 1	20.35Pc	Nov. 2	21.73
May 1	20.25	Dec. 1	21.34Pc
June 1	20.30	31	20.02
July 1	20.43		

M-35. (C) City of Wichita. NE cor. NW sec. 7, T 25 S, R 1 W. Drilled, water-table public-supply 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, 1949-64.

Jan. 2	22.00	July 31	56.00Pm
31	22.00	Sept. 1	57.00Pm
Mar. 2	22.00	Oct. 1	25.00
Apr. 1	23.00	Nov. 2	24.00
May 1	56.00Pm	Dec. 1	52.00Pm
June 1	54.00Pm	31	56.00Pm
July 1	56.00Pm		

M-35b. (C) City of Wichita. SE SW sec. 6, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1947-64.

Jan. 2	22.36	July 31	26.57Pc
31	23.01	Sept. 1	27.14Pc
Mar. 2	23.10	Oct. 1	25.60
Apr. 1	23.61	Nov. 2	25.20
May 1	25.38Pc	Dec. 1	24.50Pc
June 1	25.29Pc	31	25.03Pc
July 1	25.88Pc		

M-36. (C) City of Wichita. SW SW NW sec. 7, T 25 S, R 1 W. Drilled, water-table public-supply 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 19.57 below lsd, Feb. 1, 1962; lowest 62.99 below lsd, Apr. 1, 1960. Records available: 1958-64.

Jan. 2	23.10	July 31	26.12
31	23.80	Sept. 1	26.11
Mar. 2	61.24Pm	Oct. 1	62.49Pm
Apr. 1	24.33	Nov. 2	25.84
May 1	24.35	Dec. 1	24.56
June 1	24.46	31	24.37
July 1	61.95Pm		

M-36b. (C) City of Wichita. SW SW NW sec. 7, T 25 S, R 1 W. Drilled, water-table observation 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 16.66 below lsd, Mar. 1, 1962 (erroneously published previously as 17.08 below lsd, Sept. 1, 1961); lowest 25.48 below lsd, Apr. 22, 1958. Records available: 1958-64.

SEDGWICK COUNTY—*continued.*

Jan. 2	20.40	July 31	22.88
31	20.59	Sept. 1	22.84
Mar. 2	21.03Pc	Oct. 1	22.82Pc
Apr. 1	21.35	Nov. 2	23.13
May 1	21.50	Dec. 1	21.61
June 1	21.61	31	21.47
July 1	22.56Pc		

M-36d. (C) City of Wichita. SW SW NW sec. 7, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 180 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 17.16 below lsd, Jan. 2, 1962; lowest 35.29 below lsd, July 1, Dec. 1, 1959. Records available: 1938-64.

Jan. 2	20.70	July 31	23.68
31	21.31	Sept. 1	23.59
Mar. 2	32.65Pc	Oct. 1	34.50Pc
Apr. 1	22.03	Nov. 1	24.66
May 1	21.90	Dec. 1	22.19
June 1	22.06	31	21.92
July 1	33.85Pc		

M-37. (C) City of Wichita. NW NW NE sec. 18, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.00 below lsd, Feb. 2, 1962; lowest 66.39 below lsd, Nov. 1, 1961. Records available: 1958-64.

Jan. 2	17.32	July 31	19.71
31	17.74	Sept. 1	19.51
Mar. 2	62.56Pm	Oct. 1	63.82Pm
Apr. 1	62.36Pm	Nov. 2	19.42
May 1	18.35	Dec. 1	62.06Pm
June 1	60.67Pm	31	63.46Pm
July 1	19.17		

M-37b. (C) City of Wichita. NW NE sec. 18, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 53 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 14.38 below lsd, Dec. 3, 1962; lowest 20.74 below lsd, Dec. 31, 1959. Records available: 1958-64.

Jan. 2	17.92	July 31	20.17
31	18.13	Sept. 1	19.95
Mar. 2	18.68Pc	Oct. 1	20.42Pc
Apr. 1	19.23Pc	Nov. 2	19.73
May 1	18.94	Dec. 1	19.34Pc
June 1	19.28Pc	31	19.39Pc
July 1	19.26		

M-37d. (C) City of Wichita. NW NE sec. 18, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 160 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 14.00 below lsd, Dec. 3, 1962; lowest 32.57 below lsd, Nov. 2, 1959. Records available: 1958-64.

Jan. 2	17.41	July 31	19.86
31	17.90	Sept. 1	19.70
Mar. 2	29.21Pc	Oct. 1	31.36Pc
Apr. 1	30.20Pc	Nov. 2	19.57
May 1	18.46	Dec. 1	30.20Pc
June 1	29.50Pc	31	30.31Pc
July 1	19.31		

M-38. (C) City of Wichita. NE cor. sec. 18, T 25 S, R 1 W. Drilled, water-table public-supply 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 14.34 below lsd, Dec. 3, 1962; lowest 86.36 below lsd, Nov. 1, 1962. Records available: 1938-64.

Jan. 2	17.60	July 31	71.31Pm
31	71.87Pm	Sept. 1	72.03Pm
Mar. 2	16.10	Oct. 1	19.55
Apr. 1	18.65	Nov. 2	71.36Pm
May 1	19.20	Dec. 1	18.91
June 1	18.95	31	18.35
July 1	72.33Pm		

M-38b. (C) City of Wichita. NE cor. sec. 18, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 46 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.13 below lsd, Nov. 1, 1961; lowest 22.37 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	19.65	July 31	22.37Pc
31	21.13Pc	Sept. 1	22.00Pc
Mar. 2	20.11	Oct. 1	21.02
Apr. 1	20.25	Nov. 2	21.87Pc
May 1	21.17	Dec. 1	20.63
June 1	20.50	31	20.10
July 1	22.31Pc		

M-38d. (C) City of Wichita. NE cor. sec. 18, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 127 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.30 below lsd, Nov. 1, 1961; lowest 28.57 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	19.66	July 31	28.57Pc
31	27.15Pc	Sept. 1	28.30Pc
Mar. 2	20.19	Oct. 1	21.36
Apr. 1	20.53	Nov. 2	28.39Pc
May 1	21.10	Dec. 1	20.76
June 1	20.77	31	20.12
July 1	28.15Pc		

M-39. (C) City of Wichita. NW NW SW sec. 17, T 25 S, R 1 W. Drilled, water-table public-supply 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 14.24 below lsd, Jan. 2, 1962; lowest 53.20 below lsd, Oct. 1, 1964. Records available: 1958-64.

Jan. 2	18.11	July 31	52.49Pm
31	18.30	Sept. 1	19.37
Mar. 2	18.23	Oct. 1	53.20Pm
Apr. 1	51.64Pm	Nov. 2	19.74
May 1	52.25Pm	Dec. 1	52.03Pm
June 1	50.48Pm	31	17.90
July 1	19.11		

M-39b. (C) City of Wichita. NW SW sec. 17, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.25 below lsd, Oct. 2, 1958; lowest 20.46 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	15.99	July 31	20.46Pc
31	16.09	Sept. 1	17.19
Mar. 2	16.07	Oct. 1	19.69Pc
Apr. 1	19.15Pc	Nov. 2	17.67
May 1	19.24Pc	Dec. 1	18.89Pc
June 1	19.14Pc	31	15.88
July 1	16.83		

M-39d (C) City of Wichita. NW SW sec. 17, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 143 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.83 below lsd, Nov. 1, 1958; lowest 21.53 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	16.06	July 31	21.53Pc
31	16.24	Sept. 1	17.31
Mar. 2	16.21	Oct. 1	21.35Pc
Apr. 1	20.74Pc	Nov. 2	17.69
May 1	20.90Pc	Dec. 1	20.55Pc
June 1	20.71Pc	31	15.89
July 1	17.06		

M-40. (C) City of Wichita. SW cor. sec. 17, T 25 S, R 1 W. Drilled, water-table public-supply 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 58.25 below lsd, Nov. 1, 1962. Records available: 1958-64.

Jan. 2	54.69Pm	July 31	17.99
31	54.10Pm	Sept. 1	55.60Pm
Mar. 2	54.98Pm	Oct. 1	17.25
Apr. 1	16.58	Nov. 2	56.42Pm
May 1	16.44	Dec. 1	16.53
June 1	16.36	31	55.13Pm
July 1	53.96Pm		

M-40b. (C) City of Wichita. SW cor. sec. 17, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.53 below lsd, Nov. 1, 1958; lowest 15.91 below lsd, Sept. 1, 1964. Records available: 1958-64.

Jan. 2	14.56Pc	July 31	15.85
31	14.62Pc	Sept. 1	15.91Pc
Mar. 2	15.08Pc	Oct. 1	15.04
Apr. 1	15.05	Nov. 2	15.15Pc
May 1	14.80	Dec. 1	14.54
June 1	15.69	31	14.39Pc
July 1	15.51Pc		

M-40d. (C) City of Wichita. SW cor. sec. 17, T 25 S, R 1 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 121 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.59 below lsd, Oct. 2, 1958; lowest 27.66 below lsd, Sept. 1, 1964. Records available: 1958-64.

Jan. 2	26.66Pc	July 31	16.43
31	26.53Pc	Sept. 1	27.66Pc
Mar. 2	26.98Pc	Oct. 1	15.64
Apr. 1	15.70	Nov. 2	27.54Pc
May 1	15.60	Dec. 1	14.99
June 1	15.33	31	26.38Pc
July 1	27.47Pc		

M-51. (C) City of Wichita. NW cor. sec. 5, T 25 S, R 2 W. Drilled, water-table public-supply 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: 1958-64.

Jan. 2	20.50	July 31	76.03Pm
31	20.18	Sept. 1	25.59
Mar. 2	20.15	Oct. 1	23.69
Apr. 1	21.17	Nov. 2	22.22
May 1	20.88	Dec. 1	23.15
June 1	73.57Pm	31	75.96Pm
July 1	21.51		

M-51b. (C) City of Wichita. NW cor. sec. 5, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 0.75 foot above lsd. Highest water level 6.33 below lsd, Aug. 1, 1961; lowest 11.91 below lsd, Nov. 2, 1964. Records available: 1958-64.

Jan. 2	10.88	July 31	11.90Pc
31	11.03	Sept. 1	11.67
Mar. 2	11.23	Oct. 1	11.55
Apr. 1	11.30	Nov. 2	11.91
May 1	11.35	Dec. 1	10.89
June 1	11.48Pc	31	10.97Pc
July 1	10.75		

M-51d. (C) City of Wichita. NW cor. sec. 5, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 52.03 below lsd, July 31, 1964. Records available: 1958-64.

## SEDGWICK COUNTY—concluded.

Jan. 2	22.60	July 31	52.03Pc
31	22.26	Sept. 1	28.40
Mar. 2	22.11	Oct. 1	25.98
Apr. 1	21.10	Nov. 2	24.02
May 1	22.70	Dec. 1	25.14
June 1	47.65Pc	31	51.02Pc
July 1	23.56		

M-52. (C) City of Wichita. SW SW NW sec. 5, T 25 S, R 2 W. Drilled, water-table public-supply 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 33.80 below lsd, Apr. 1, 1964. Records available: 1958-64.

Jan. 2	9.94	July 31	11.07
31	10.28	Sept. 1	10.69
Mar. 2	10.93	Oct. 1	10.58
Apr. 1	33.80Pm	Nov. 2	28.00Pm
May 1	10.40	Dec. 1	26.94Pm
June 1	10.65	31	9.72
July 1	10.64		

M-52b. (C) City of Wichita. SW SW NW sec. 5, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 13.59 below lsd, Apr. 1, 1964. Records available: 1958-64.

Jan. 2	11.86	July 31	12.98
31	12.16	Sept. 1	12.59
Mar. 2	12.74	Oct. 1	12.50
Apr. 1	13.59Pc	Nov. 2	13.52Pc
May 1	12.10	Dec. 1	12.52Pc
June 1	12.50	31	11.63
July 1	12.56		

M-53. (C) City of Wichita. SE SW SW sec. 5, T 25 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 92 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.21 below lsd, Aug. 1, 1961; lowest 34.48 below lsd, July 1, 1964. Records available: 1958-64.

Jan. 2	10.27	July 31	11.18
31	10.48	Sept. 1	11.72
Mar. 2	10.43	Oct. 1	12.10
Apr. 1	11.17	Nov. 2	10.98
May 1	11.07	Dec. 1	10.59
June 1	31.97Pm	31	9.98
July 1	34.48Pm		

M-53b. (C) City of Wichita. SE SW SW sec. 5, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 11.21 below lsd, July 1, 1964. Records available: 1958-64.

Jan. 2	8.70	July 31	10.10
31	8.96	Sept. 1	10.10
Mar. 2	8.91	Oct. 1	10.45
Apr. 1	9.46	Nov. 2	9.46
May 1	9.48	Dec. 1	10.85
June 1	10.02Pc	31	8.19
July 1	11.21Pc		

M-54. (C) City of Wichita. NW NW SE sec. 5, T 25 S, R 2 W. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.35 below lsd, Aug. 1, 1961; lowest 25.38 below lsd, Jan. 31, 1964. Records available: 1958-64.

Jan. 2	11.22	July 31	12.51
31	25.38Pm	Sept. 1	11.24
Mar. 2	11.15	Oct. 1	11.85
Apr. 1	11.56	Nov. 2	12.96
May 1	11.96	Dec. 1	10.92
June 1	12.00	31	11.59
July 1	11.96		

M-54b. (C) City of Wichita. NW NW SE sec. 5, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.70 below lsd, Sept. 1, 1961; lowest 13.69 below lsd, Jan. 31, 1964. Records available: 1959-64.

Jan. 2	11.99	July 31	13.24
31	13.69Pc	Sept. 1	12.61
Mar. 2	11.92	Oct. 1	12.62
Apr. 1	12.33	Nov. 2	13.54
May 1	13.13	Dec. 1	11.68
June 1	12.75	31	12.40
July 1	10.70		

M-55. (C) City of Wichita. SE SW SE sec. 5, T 25 S, R 2 W. Drilled, water-table public-supply 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 29.35 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	13.48	July 31	29.35Pm
31	13.48	Sept. 1	28.84Pm
Mar. 2	27.48Pm	Oct. 1	14.38
Apr. 1	27.66Pm	Nov. 2	27.48Pm
May 1	14.10	Dec. 1	26.89Pm
June 1	28.43Pm	31	12.68
July 1	15.81		

M-55b. (C) City of Wichita. SE SW SE sec. 5, T 25 S, R 2 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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 14.56 below lsd, July 31, 1964. Records available: 1958-64.

Jan. 2	11.54	July 31	14.56Pc
31	11.59	Sept. 1	14.25Pc
Mar. 2	12.40Pc	Oct. 1	12.44
Apr. 1	12.64Pc	Nov. 2	12.72Pc
May 1	12.20	Dec. 1	11.60Pc
June 1	14.00Pc	31	10.86
July 1	13.83		

26-2-22aba. (C) Al Stoltz. Drilled irrigation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 42 feet. Measuring point, bottom inside lip elbow, 1.25 feet above lsd. Highest water level 3.58 below lsd, Dec. 19, 1960; lowest 8.44 below lsd, Aug. 25, 1964. Records available: 1960-64.

Jan. 22	7.40	May 25	7.58	Sept. 14	8.26
Feb. 18	7.36	June 22	7.64	Oct. 19	8.38
Mar. 17	7.38	July 29	8.35	Nov. 20	8.24
Apr. 24	7.54	Aug. 25	8.44	Dec. 14	7.72

27-1-26ddd. (C) U.S.G.S. and K.G.S. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 6 to 2 inches, depth 87 feet. Measuring point, hole in recorder base, 2.00 feet above lsd. Highest water level 6.15 below lsd, May 10, 1961; lowest 9.63 below lsd, Aug. 25, Oct. 25, 1964. Records available: 1959-64.

*Water Levels from Recorder Graph*

Month	5	10	15	20	25	30
Jan.	9.19	9.17	9.25	9.24	9.25	.....
Feb.	9.16	9.30	9.27	9.32	9.29	.....
Mar.	9.28	9.29	9.36	9.34	9.34	.....
Apr.	9.04	.....	9.03	8.97	9.00	9.04
May	9.07	9.15	9.17	9.24	9.32	.....
June	8.50	8.56	8.60	8.68	8.85	8.96
July	.....	9.13	9.17	9.29	9.36	9.43
Aug.	9.49	9.52	9.55	9.58	9.63	9.39
Sept.	9.36	9.48	9.52	9.33	9.35	9.30
Oct.	.....	9.50	9.56	9.60	9.63	9.54
Nov.	9.40	9.31	9.25	8.47	8.18	8.23
Dec.	.....	8.44	8.27	.....	.....	.....

28-1-2cb. (C) Bill Vanderhaff. Driven, domestic and stock well in sand and gravel of Pleistocene age; diameter 1½ inches, depth 30 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 9.90 below lsd, July 16, 1962; lowest 11.20 below lsd, Apr. 29, 1959. Records available: 1959-64. Mar. 17, 11.01Pm; June 22, 11.13; Sept. 14, 10.99.

28-1-15ac. (C) Floyd Hinckley. Drilled, abandoned stock well in sand and gravel of Pleistocene age; diameter 5 inches, depth 38 feet. Measuring point, top of 5-inch casing on north side of well, 2.20 feet above lsd. Highest water level 26.52 below lsd, Dec. 14, 1964; lowest 27.79 below lsd, Nov. 20, 1964. Records available: 1964.

June 22	26.66	Sept. 14	27.52	Nov. 20	27.79
July 29	26.95	Oct. 19	27.73	Dec. 14	26.52
Aug. 25	26.81				

28-1-36adc. (C) George Lipke. Drilled irrigation well in sand and gravel of Pleistocene age; diameter 10 inches, depth 58 feet. Measuring point, hole in south

edge of pump, 1.20 feet above lsd. Highest water level 28.47 below lsd, Apr. 16, 1962; lowest 31.22 below lsd, Dec. 14, 1964. Records available: 1959-64. Mar. 17, 29.98; June 22, 30.10; Sept. 14, 30.51; Dec. 14, 31.22.

**SEWARD COUNTY**

15. (C) Cabot Carbon Co. SE SW sec. 21, T 32 S, R 33 W. Drilled, water-table domestic and stock 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: 1940-64. Jan. 15, 17.70; Apr. 13, 19.54; July 28, P; Oct. 15, P.

31-31-8bc. (C) J. A. Fleming. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 400 feet. Measuring point, edge of ¾-inch hole in NW corner of pump-head base, 0.50 foot above lsd. Highest water level 167.55 below lsd, June 12, 1962; lowest 180.36 below lsd, June 8, 1964. Records available: 1962-64. Mar. 4, 174.85; June 8, 180.36; Sept. 14, 171.53; Dec. 14, 169.63.

31-34-5aa. (C) Bob Harlow. Drilled, abandoned, water-table irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 6 inches, depth 44 feet. Measuring point, edge of ½-inch hole in southeast side of cover plate, at land surface. Highest water level 37.60 below lsd, June 4, 1962; lowest 39.22 below lsd, Dec. 7, 1964. Records available: 1962-64. Apr. 6, 38.48; June 3, 38.57; Sept. 1, 38.83; Dec. 7, 39.22.

33-33-29dd. (C) Owner unknown. Drilled stock well in Ogallala Formation and sand and gravel of Pleistocene age; diameter 4 inches, depth 176 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 168.25 below lsd, Nov. 13, 1956; lowest 173.75 below lsd, July 29, 1964. Records available: 1955-64. Jan. 22, P; Apr. 13, 172.25; July 29, 173.75; Oct. 12, 171.07.

35-34-10bb. (C) John Grover. Drilled, water-table irrigation well in undifferentiated deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 352 feet. Measuring point, bottom of pump, north side, 1.00 foot above lsd. Highest water level 80.88 below lsd, July 28, 1964; lowest 89.00 below lsd, May 1964. Records available: 1964. May, 89.00; July 28, 80.88; Oct. 12, P.

**SHAWNEE COUNTY**

10-13-31baa. (C) Owner unknown. Drilled observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 11.30 below lsd, Dec. 1, 1961; lowest 17.25 below lsd, Aug. 3, 1964. Records available: 1959-64.

Feb. 3	15.90	June 2	16.00	Oct. 1	16.14
Mar. 2	15.90	July 1	15.54	Nov. 2	16.37
Apr. 1	16.05	Aug. 3	17.25	Dec. 1	16.10
May 4	16.00	Sept. 1	16.23		

10-14-5dcc. (C) U.S.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1 inch, depth 23 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 4.23 below lsd, July 24, 1963; lowest 6.49 below lsd, Feb. 6, 1964. Rec-

## SHAWNEE COUNTY—continued.

ords available: 1963-64. Feb. 6, 6.49.

11-15-13ccc. (17) (C) J. H. Skinner Co. Drilled, water-table irrigation 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 33.70 below lsd, June 2, 1964. Records available: 1958-64.

Feb. 3	33.03	June 2	33.70	Oct. 1	32.60
Mar. 2	P	July 1	33.18	Nov. 2	32.55
Apr. 1	33.30	Aug. 3	33.16	Dec. 1	32.51
May 4	33.51	Sept. 1	33.12		

11-15-13dac. (2) (C) Goodyear Tire and Rubber Co. Drilled, water-table observation well in alluvium; diameter 2 inches, depth 69 feet. Measuring point, top east edge of pipe coupling, 2.30 feet above lsd. Highest water level 28.67 below lsd, June 2, 1960; lowest 35.90 below lsd, May 4, 1964. Records available: 1958-64.

Feb. 3	34.95	Aug. 3	35.45Pc*
Mar. 2	35.40Pc*	Sept. 1	35.26Pc*
Apr. 1	35.32Pc*	Oct. 1	34.44Pc*
May 4	35.90Pc*	Nov. 2	33.40Pc*
June 2	35.46Pc*	Dec. 1	33.83Pc*
July 1	35.34Pc*		

\* Well pumping 110 feet west.

11-15-13dbc. (4) (C) Goodyear Tire and Rubber Co. Drilled, water-table observation well in alluvium; diameter 2 inches, depth 77 feet. Measuring point, top east edge of coupling, 1.50 feet above lsd. Highest water level 29.96 below lsd, Dec. 1, 1958; lowest 35.65 below lsd, May 4, 1964. Records available: 1958-64.

Feb. 3	35.55	Aug. 3	34.90Pc*
Mar. 2	35.39Pc*	Sept. 1	34.42
Apr. 1	35.31Pc*	Oct. 1	34.09Pc*
May 4	35.65Pc*	Nov. 2	33.74Pc*
June 2	35.32Pc*	Dec. 1	33.64Pc*
July 1	34.97Pc*		

\* Well pumping 100 feet north.

11-15-13dbd. (3) (C) Goodyear Tire and Rubber Co. Drilled, water-table observation well in alluvium; diameter 2 inches, depth 76 feet. Measuring point, top east edge of pipe, 2.20 feet above lsd. Highest water level 27.61 below lsd, Dec. 1, 1958; lowest 34.32 below lsd, May 1, 1964. Records available: 1958-64.

Feb. 3	34.02	Aug. 3	33.72Pc*
Mar. 2	33.93Pc*	Sept. 1	33.58Pc*
Apr. 1	33.85Pc*	Oct. 1	32.90Pc*
May 4	34.32Pc*	Nov. 2	32.27Pc*
June 2	33.89Pc*	Dec. 1	32.40Pc*
July 1	33.71Pc*		

\* Well pumping 100 feet west.

11-15-13deb. (5) (C) Topeka Implement Co. Drilled, water-table observation well in alluvium; diameter 1½ inches, depth 41 feet. Measuring point, top east edge of pipe, 2.00 feet above lsd. Highest water level

29.20 below lsd, Oct. 9, 1958; lowest 35.10 below lsd, May 4, 1964. Records available: 1958-64.

Feb. 3	34.25	May 4	35.10	Aug. 3	34.65
Mar. 2	34.72	June 2	34.89	Sept. 1	34.41
Apr. 1	34.73	July 1	34.59		

11-15-14adb. (15) (C) Howard Jackson. Drilled, water-table irrigation 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 35.73 below lsd, May 4, 1964. Records available: 1933, 1959-64.

Feb. 3	35.40	June 2	35.70	Oct. 1	35.02
Mar. 2	35.60	July 1	35.26	Nov. 2	35.08
Apr. 1	35.72	Aug. 3	35.36	Dec. 1	34.89
May 4	35.73	Sept. 1	35.34		

11-15-14cbb. (13) (C) R. H. Stover. Drilled, water-table irrigation well in alluvium; diameter 17 inches, depth 92 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 33.90 below lsd, Feb. 3, 1964. Records available: 1959-64.

Feb. 3	33.90	June 2	33.42	Oct. 1	32.50
Mar. 2	33.13	July 1	32.60	Nov. 1	32.70
Apr. 1	33.28	Aug. 3	32.85	Dec. 1	32.60
May 4	33.30	Sept. 1	32.80		

11-15-14ccb. (12) (C) State of Kansas. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point since Sept. 1, 1964, top east edge of pipe, 0.70 foot above lsd. Highest water level 24.80 below lsd, Oct. 10, 1958; lowest 30.70 below lsd, May 4, 1964. Records available: 1958-64.

Feb. 3	30.68	June 2	30.66	Oct. 1	29.76
Mar. 2	30.49	July 1	30.02	Nov. 2	30.10
Apr. 1	30.60	Aug. 3	30.23	Dec. 1	29.84
May 4	30.70	Sept. 1	29.97		

11-15-14dbb. (14) (C) R. Stover. Drilled, water-table observation 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 30.93 below lsd, June 2, 1964. Records available: 1958-64.

Feb. 3	30.43	June 2	30.93	Oct. 1	29.86
Mar. 2	30.60	July 1	30.19	Nov. 1	29.98
Apr. 1	30.77	Aug. 3	30.45	Dec. 1	29.87
May 4	30.82	Sept. 1	30.25		

11-15-16c. (C) State Board of Agriculture. Drilled, water-table observation well in alluvium; diameter 18 inches, depth 38 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: 1950-64.

## Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	27.45	27.48	27.50	27.52	27.54	27.57
Feb.	27.59	27.62	27.65	27.68	27.72	.....
Mar.	27.77	27.82	27.86	27.89	27.94	27.98
Apr.	28.02	28.05	28.04	28.03	27.99	27.94
May	27.82	27.59	27.34	27.20	27.04	27.06
June	27.13	27.06	26.80	25.98	25.41	25.04
July	25.07	25.06	25.03	24.93	24.94	24.98
Aug.	25.06	25.15	25.28	25.38	25.42	25.44
Sept.	25.05	24.81	24.84	24.91	25.05	25.16
Oct.	25.30	25.41	25.52	25.63	25.70	25.78
Nov.	25.87	25.94	26.03	25.91	25.69	25.68
Dec.	25.66	25.78	25.81	25.85	25.86	25.95

11-15-22aaa. (11) (C) F. E. Baird. Dug and drilled, water-table irrigation 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 29.25 below lsd, June 2, 1964. Records available: 1958-64.

Feb. 3	28.93	June 2	29.25	Oct. 1	28.27
Mar. 2	29.03	July 1	28.53	Nov. 1	28.50
Apr. 1	29.17	Aug. 3	28.67	Dec. 1	28.40
May 4	29.23	Sept. 1	28.67		

11-15-22cac. (10A) (C) E. L. Whiteman. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 48 feet. Measuring point, 1-inch threaded hole in south section of pump, 0.50 foot above lsd. Highest water level 13.84 below lsd, May 3, July 1, 1960; lowest 18.46 below lsd, May 1, 1961. Records available: 1958-64.

Feb. 3	18.10	June 2	18.22	Oct. 1	17.76
Mar. 2	18.27	July 1	17.32	Nov. 2	17.94
Apr. 1	18.40	Aug. 3	17.44	Dec. 1	17.76
May 4	18.10	Sept. 1	17.79		

11-15-23dbd. (10) (C) J. G. Meier. Drilled, water-table irrigation well in alluvium; diameter 18 inches, depth 52 feet. Measuring point, hole in pump base, 1.60 feet above lsd. Highest water level 21.76 below lsd, July 1, 1960; lowest 26.64 below lsd, Apr. 1, 1964. Records available: 1958-64.

Feb. 3	26.33	June 2	26.52	Oct. 1	25.55
Mar. 2	26.47	July 1	P	Nov. 2	26.28
Apr. 1	26.64	Aug. 3	25.90	Dec. 1	25.97
May 4	26.32	Sept. 1	26.20		

11-15-24abc. (6) (C) S. A. Meier. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 53 feet. Measuring point, hole in northwest section of pump base, 0.80 foot above lsd. Highest water level 23.17 below lsd, Dec. 1, 1958; lowest 29.62 below lsd, June 2, 1964. Records available: 1958-64.

Feb. 3	28.95	June 2	29.62	Oct. 1	28.48
Mar. 2	29.09	July 1	29.12	Nov. 2	28.48
Apr. 1	29.35	Aug. 3	29.20	Dec. 1	28.30
May 4	29.57	Sept. 1	29.05		

11-15-24acd. (8) (C) Jackson Greenhouse. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 43 feet. Measuring point, top of pipe, 0.06 foot above lsd. Highest water level 23.30 below lsd, Oct. 9, 1958; lowest 28.86 below lsd, June 2, 1964. Records available: 1958-64.

Jan. 22	28.36	June 2	28.86	Oct. 1	28.01
Mar. 2	28.54	July 1	28.36	Nov. 2	28.19
Apr. 1	28.80	Aug. 3	28.31	Dec. 1	27.95
May 4	28.77	Sept. 1	28.46		

11-15-24ada. (7) (C) J. H. Skinner and Co. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 77 feet. Measuring point, hole in north-west section of pump base, 0.60 foot above lsd. Highest water level 23.29 below lsd, Dec. 1, 1958; lowest 28.32 below lsd, June 2, 1964. Records available: 1958-64.

Feb. 3	27.70	June 2	28.32	Oct. 1	27.31
Mar. 2	27.80	July 1	27.80	Nov. 2	27.45
Apr. 1	28.11	Aug. 3	P	Dec. 1	27.27
May 4	28.11	Sept. 1	27.75		

11-15-24dbd. (9) (C) I. A. Brown. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 32 feet. Measuring point, top edge of pipe, 3.20 feet above lsd. Highest water level 15.40 below lsd, Apr. 4, 1960; lowest 22.00 below lsd, Apr. 1, 1964. Records available: 1958-64.

Feb. 3	21.70	June 2	21.85	Oct. 1	21.25
Mar. 2	21.91	July 1	20.60	Nov. 2	21.66
Apr. 1	22.00	Aug. 3	21.15	Dec. 1	21.10
May 4	21.52	Sept. 1	21.48		

11-16-18cad. (1) (C) R. W. Sowell. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 40 feet. Measuring point, top east edge of pipe, 2.50 feet above lsd. Highest water level 24.10 below lsd, Oct. 10, 1958; lowest 29.67 below lsd, June 2, 1964. Records available: 1958-64.

Feb. 3	28.98	June 2	29.67	Oct. 1	28.60
Mar. 2	29.10	July 1	29.03	Nov. 2	28.88
Apr. 1	29.38	Aug. 3	29.15	Dec. 1	28.42
May 4	29.55	Sept. 1	29.07		

11-16-19ddd. (19) (C) Gibson Bros. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 23.41 below lsd, July 2, 1962; lowest 27.30 below lsd, Apr. 1, June 2, 1964. Records available: 1962-64.

Feb. 3	26.43	June 2	27.30	Oct. 1	26.55
Mar. 2	26.98	July 1	26.84	Nov. 2	26.98
Apr. 1	27.30	Aug. 3	26.55	Dec. 1	26.56
May 4	27.27	Sept. 1	26.76		

11-16-20bc. (18A) (C) Mrs. Ray Mitchell. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 44 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.88 below lsd, July 2, 1962; lowest 23.94 below lsd, Apr. 1, 1964. Records available: 1962-64.

## SHAWNEE COUNTY—concluded.

Feb. 3	23.57	June 2	23.87	Oct. 1	23.24
Mar. 2	23.68	July 1	23.48	Nov. 2	23.48
Apr. 1	23.94	Aug. 3	23.53	Dec. 1	23.18
May 4	23.80	Sept. 1	23.47		

## SHERIDAN COUNTY

7-29-30aa. (C) Darman Hill. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 179 feet. Measuring point, hole in pump base, 0.75 foot above lsd. Highest water level 120.47 below lsd, Jan. 15, 1963; lowest 127.50 below lsd, July 10, 1963. Records available: 1962-64. Mar. 17, 120.50; June 15, 120.66; Sept. 22, 124.79; Dec. 16, 122.35.

8-28-28da. (C) Clance Shamberger. Drilled stock well in Ogallala Formation; diameter 6 inches, depth 106 feet. Measuring point, hole in south side of pump base, 1.00 foot above lsd. Highest water level 45.11 below lsd, Apr. 12, 1960; lowest 78.58 below lsd, Sept. 14, 1964. Records available: 1960-64. Mar. 17, P; June 14, 78.44; Sept. 14, 78.58; Dec. 16, P.

9-30-35bb. (C) David Baalman. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 220 feet. Measuring point, hole in west side of pump base, 0.50 foot above lsd. Highest water level 121.84 below lsd, Apr. 11, 1963; lowest 145.50 below lsd, July 10, 1963. Records available: 1962-64. Mar. 17, 123.90; June 15, 123.87; Sept. 14, 129.50; Dec. 16, P.

10-30-17da. (C) James Schroeder. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 167 feet. Measuring point, hole in east side of pump base, 0.70 foot above lsd. Highest water level 59.60 below lsd, Apr. 11, 1963; lowest 98.05 below lsd, Sept. 14, 1964. Records available: 1962-64.

Mar. 17	60.26	July 22	60.10	Dec. 16	65.05
June 15	62.26	Sept. 14	98.05		

## SHERMAN COUNTY

6-42-2aaa. (C) Harvey J. Stewart. Drilled, unused, water-table stock well in Ogallala Formation; diameter 6 inches, depth 225 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 180.10 below lsd, July 12, 1961; lowest 184.15 below lsd, Sept. 17, 1964. Records available: 1959-64. June 15, 181.46; June 29, 181.27; Sept. 17, 184.15; Dec. 15, 182.70.

7-39-30cc. (C) Bernard Borgman. Drilled, water-table irrigation well in Ogallala Formation; depth 269 feet. Measuring point, inside of pump head base on the east side just north of the E-W axis of the pump, 0.75 foot above lsd. Highest water level 113.34 below lsd, Jan. 14, 1963; lowest 122.02 below lsd, Sept. 16, 1964. Records available: 1962-64.

Mar. 16	116.66	June 16	116.89	Dec. 15	P
June 15	117.85	Sept. 16	122.02		

7-40-36bab. (C) U.S.G.S. Drilled, water-table observation well in Ogallala Formation, diameter 1 1/4 inches, depth 242 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 108.72 below lsd, Dec. 15,

1964; lowest 109.20 below lsd, Oct. 28, 1964. Records available: 1964. Oct. 28, 109.20; Dec. 15, 108.72.

8-39-15ccc. (C) Thomas Cebula. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches; depth 269 feet. Measuring point, hole in west side pump base, 1.30 feet above lsd. Highest water level 126.48 below lsd, Aug. 4, 1949; lowest 135.79 below lsd, Dec. 15, 1964. Records available: 1949, 1963-64.

1949					
Aug. 4	126.48	Dec. 19	132.35	June 15	132.91
1963		1964		Sept. 16	P
Jan. 20	134.33	Mar. 16	134.80	Dec. 15	135.79

8-39-31abc. (C) Kenneth Armstrong. Drilled, water-table observation well in Ogallala Formation; diameter 5 inches, depth 193 feet. Measuring point, top of casing on north side, 2.70 feet above lsd. Highest water level 147.60 below lsd, June 20, 1963; lowest 188.71 below lsd, Dec. 15, 1964. Records available: 1963-64. Mar. 16, 158.40\*; June 15, 154.05; Sept. 16, 151.15; Dec. 15, 188.71Pct.

\* Irrigation well 60 feet from this well pumped recently.

† Irrigation well pumping within 60 feet.

8-40-24baa. (C) Victoria Van Drasek Estate. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 159 feet. Measuring point, top west side of casing, 0.70 foot above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 151.10 below lsd, Sept. 16, 1964. Records available: 1948-64.

Mar. 16	148.90	June 17	147.20	Dec. 15	148.75Pc*
June 15	147.45	Sept. 16	151.10		

\* Irrigation well pumping 1/4 mile east.

8-42-4bb. (C) Bill R. Wright. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 322 feet. Measuring point, hole in south side of pump base, 1.00 foot above lsd. Highest water level 147.73 below lsd, Jan. 14, 1963; lowest 163.60 below lsd, Sept. 17, 1964. Records available: 1962-64.

Mar. 16	P	June 17	152.30	Dec. 15	151.23
June 15	152.75	Sept. 17	163.60		

9-39-30cbb. (C) Charles Glenn. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 135 feet. Measuring point, top south side of casing, at land surface. Highest water level 117.99 below lsd, Jan. 20, 1953; lowest 119.80 below lsd, Dec. 15, 1964. Records available: 1948-64. Mar. 16, 119.50; Dec. 15, 119.80.

9-40-29bbb. (C) Drilled, water-table observation well in Ogallala Formation; diameter 1 1/4 inches, depth 242 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 118.54 below lsd, Dec. 15, 1964; lowest 122.00 below lsd, Oct. 28, 1964. Records available: 1964. Oct. 28, 122.00; Dec. 15, 118.54.

9-42-11cc. (C) Emmett Blystone. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 280 feet. Measuring point, hole in north side of pump base, 1.00 foot above lsd. Highest water level 125.81 below lsd, Apr. 10, 1963; lowest 147.77 below lsd, Mar. 16, 1964. Records available: 1962-64.

Mar. 16	147.77Pc*	Sept. 16	140.70	Dec. 15	143.13
June 15	131.23	Oct. 8	137.50		

\* Irrigation well pumping 100 feet north.



## 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 22.55 below lsd, Aug. 14, 1962; lowest 37.62 below lsd, June 19, 1957. Records available: 1956-64.

Feb. 10	23.70	June 17	23.70	Oct. 12	24.10
Apr. 14	23.70	Aug. 17	23.70		

4-14-34bc. (MB) Laura Davis. Dug, water-table stock 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, 1962. Measurement discontinued.

4-14-34dd. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age; diameter ¾ 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. Measurement discontinued.

4-15-31cb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.88 below lsd, June 13, 1961; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-64.

Feb. 10	9.70	June 17	10.00	Oct. 12	10.70
Apr. 14	8.90	Aug. 17	10.55		

4-15-34bb. (MB) U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 58 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 16.70 below lsd, Sept. 21, 1959; lowest 34.04 below lsd, June 19, 1957. Records available: 1956-64. Feb. 10, 20.35; Apr. 14, 21.10. Well destroyed.

4-15-34cb. (MB) U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 14.10 below lsd, Sept. 19, 1961; lowest 30.20 below lsd, May 14, 1957. Records available: 1956-64.

Feb. 10	17.30	June 17	18.30	Oct. 12	17.60
Apr. 14	17.90	Aug. 17	16.90		

4-15-34da. (MB) U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 19.80 below lsd, Aug. 16, 1960; lowest 34.60 below lsd, May 14, 1957. Records available: 1956-64.

Feb. 10	28.50	June 17	28.95	Oct. 12	25.80
Apr. 14	29.45	Aug. 17	25.00		

4-15-35cc. (MB) U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 4.20 below lsd, Sept. 13, 1960; lowest 12.86 below lsd, May 14, 1957. Records available: 1956-64.

Feb. 10	8.00	June 17	8.70	Oct. 12	8.40
Apr. 14	8.70	Aug. 17	8.75		

5-13-4cc. (MB) Roy Eller. Dug, water-table domestic and stock 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, 1962. Measurement discontinued.

5-13-22bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 3.35 below lsd, Aug. 15, 1962; lowest 12.15 below lsd, Mar. 12, 1957. Records available: 1951-64.

Feb. 11	6.85	June 17	7.60	Oct. 13	7.70
Apr. 14	6.90	Aug. 17	7.60		

5-13-34cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 35 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.69 below lsd, July 19, 1961; lowest 24.23 below lsd, June 20, 1957. Records available: 1951-61, 1963-64.

Feb. 12	11.25	June 17	10.55	Oct. 14	11.30
Apr. 15	11.10	Aug. 18	11.10		

5-13-35ad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 29 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 15.55 below lsd, Aug. 15, 1963; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-64.

Feb. 12	16.95	June 17	16.90	Oct. 14	17.20
Apr. 15	17.00	Aug. 18	17.20		

5-14-1da. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 38 feet. Measuring point, top of pipe, 4.10 feet above lsd. Highest water level 12.80 below lsd, Apr. 14, 1964; lowest 27.40 below lsd, Mar. 12, 1957. Records available: 1951-64.

Feb. 11	13.10	June 17	12.85	Oct. 13	13.30
Apr. 14	12.80	Aug. 17	13.40		

5-14-2ab. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 30 feet. Measuring point, top of pipe, 1.30 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. Measurement discontinued.

5-15-2dc. (MB) George K. Wamhoff. Drilled, unused, water-table well in terrace deposits of Pleistocene age; diameter 10 inches, depth 38 feet. Measuring point, top west side of board platform, 0.80 foot above lsd. Highest water level 23.95 below lsd, Oct. 22, 1951; lowest 33.84 below lsd, Nov. 30, 1948. Records available: 1945-60, 1962. Measurement discontinued.

## STAFFORD COUNTY

19a. (C) Arthur Gates. SE SE sec. 27, T 21 S, R 13 W. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 21 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 7.29 below lsd, July 25, 1963; lowest 10.79 below lsd, Sept. 15, 1964. Records available: 1963-64. Mar. 18, 8.62; June 25, 9.57; Sept. 15, 10.79; Dec. 15, 10.56.

22-13-29dal. (C) Mrs. L. C. Walls. Bored, water-table observation well in Ogallala Formation; diameter 1 1/4 inches, depth 30 feet. Measuring point, top of pipe, 2.47 feet above lsd. Highest water level 10.11 below lsd, Sept. 27, 1961; lowest 13.61 below lsd, Dec. 15, 1964. Records available: 1961-64. Mar. 18, 12.01; June 25, 12.64; Sept. 15, 13.31; Dec. 15, 13.61.

25-13-3bb. (C) M. L. Halley. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 4 inches, depth 32 feet. Sand point driven in well pit, measuring point, 0.80 foot above lsd. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-64. Mar. 23, 17.04; June 23, 18.30; Sept. 15, 19.13; Dec. 16, 18.82.

## STANTON COUNTY

13. (C) Leah Carrithers. NE NE SE sec. 21, T 27 S, R 40 W. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 85 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 53.21 below lsd, Sept. 9, 1964. Records available: 1939-64. Mar. 17, 51.39; June 10, P; Sept. 9, 53.21; Dec. 8, 52.51.

93. (C) Glenn Arnold. C. NE 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 197.17 below lsd, Sept. 9, 1964. Records available: 1939-64. Mar. 17, 188.32; June 10, 193.07; Sept. 9, 197.17.

27-39-27bb. (C) M. P. Molz. Drilled, artesian irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 379 feet. Measuring point, hole in east side of steel pump base, 0.30 foot above lsd. Highest water level 78.41 below lsd, Jan. 30, 1959; lowest 133.32 below lsd, Nov. 22, 1963. Records available: 1958-64. Mar. 17, 118.11; June 10, 113.97; Sept. 9, P; Dec. 8, P.

27-42-31cc. (C) Earl Anderson. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age and Dakota Formation and Cheyenne Sandstone; diameter 16 inches, depth 400 feet. Measuring point, hole in east side of steel pump base, 1.00 foot above lsd. Highest water level 190.33 below lsd, Feb. 25, 1960; lowest 193.98 below lsd, Aug. 7, 1963. Records available: 1958-64. Mar. 17, 192.63; June 10, 193.72; Sept. 9, P; Dec. 8, P.

28-39-14bbl. (C) Herb Campbell. Drilled, unused, artesian well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 419 feet. Measuring point, top east side of casing, at land surface. Highest water level 84.10 below lsd, May 11, 1960; lowest 97.12 below lsd, Sept. 21, 1964. Records available: 1959-64.

Jan. 7	94.44	May 26	96.88	Sept. 21	97.12
Feb. 10	94.20	June 3	96.56 <sup>Pe*</sup>	Oct. 7	96.57
26	94.10	24	95.73	21	96.66
Mar. 3	93.84	July 13	96.03	Nov. 4	96.29
26	94.06	21	96.83	24	95.87
Apr. 6	94.40	Aug. 4	96.15	Dec. 7	93.33
20	95.06	21	97.08	29	94.33
May 6	95.98	Sept. 1	97.08		

\* Well pumping 1/4 mile NE.

28-39-20bb. (C) Carl Levens. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 10 inches, depth 160 feet. Measuring point, lower edge of cutout on north side pump base, 1.80 feet above lsd. Highest water level 89.42 below lsd, Mar. 31, 1960; lowest 148.54 below lsd, Sept. 21, 1964. Records available: 1959-60, 1962-64.

Jan. 22	138.11	Mar. 26	140.29	Sept. 21	148.54
Feb. 26	137.14	Apr. 20	P	Dec. 29	136.40

28-39-29cd. (C) Vivian Glenn. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 400 feet. Measuring point, top of southwest side of pump base, 0.50 foot above lsd. Highest water level 79.12 below lsd, May 28, 1958; lowest 122.40 below lsd, Nov. 22, 1963. Records available: 1958-64. Mar. 17, P; June 10, P; Sept. 9, P; Dec. 8, P.

29-39-6cc. (C) J. Julian. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 435 feet. Measuring point, lower edge of cutout on northwest side of pump base, 1.35 feet above lsd. Highest water level 100.00 below lsd, Nov. 1955; lowest 139.15 below lsd, Nov. 19, 1963. Records available: 1955, 1959-60, 1962-64. Jan. 22, 121.02; Mar. 26, 121.78; Apr. 20, P; Dec. 29, 128.55.

29-39-24dd. (C) V. E. Ruth. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 16 inches, depth 314 feet. Measuring point, slanted pipe on east side of pump, 1.00 foot above lsd. Highest water level 63.00 below lsd, Aug. 1948; lowest 80.90 below lsd, Dec. 29, 1964. Records available: 1948, 1955, 1957-60, 1962-64. Jan. 22, 75.93; Mar. 26, 77.20; Apr. 20, P; Dec. 29, 86.90.

30-43-34bb. (C) W. T. Lauman. Drilled, artesian irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 103 feet. Measuring point, hole in south side of pump base, 1.15 feet above lsd. Highest water level 45.72 below lsd, Dec. 4, 1958; lowest 73.25 below lsd, Oct. 7, 1963. Records available: 1958-64. Jan. 7, 68.25; Apr. 13, 67.85; July 28, P; Oct. 12, P.

## STEVENS COUNTY

31-35-19cc. (C) C. H. Bunton. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 300+ feet. Measuring point, edge of 2-inch hole in NW side pump head base, 0.30 foot above lsd. Highest water level 178.57 below lsd, Aug. 12, 1963; lowest 197.98 below lsd, May 18, 1964. Records available: 1962-64. Feb. 24, 180.95; May 18, 197.98; Aug. 4, P; Nov. 10, P.

31-36-2cd. (C) Mrs. Earl Clark. Drilled, artesian irrigation well in deposits of Pliocene age; diameter 16 inches, depth 410 feet. Measuring point, lower edge of cutout on east side of steel pump base, 1.00 foot above lsd. Highest water level 140.50 below lsd, Mar. 21, 1960; lowest 156.18 below lsd, Nov. 10, 1964. Records

available: 1958-60, 1963-64. Feb. 24, 152.35; May 18, P; Aug. 4, P; Nov. 10, 156.18.

31-37-22bc. (C) Walter Crofts. Drilled domestic well in Ogallala Formation; diameter 6 inches, depth 258 feet. Measuring point, top of slit in cap on casing, 0.90 foot above lsd. Highest water level 121.67 below lsd, Jan. 14, 1963; lowest 143.37 below lsd, Aug. 22, 1960. Records available: 1956-64. Jan. 15, 125.61; Apr. 6, 129.30; July 28, P; Oct. 7, 136.95.

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 119.10 below lsd, Feb. 6, 1962; lowest 139.06 below lsd, May 7, 1959. Records available: 1942, 1944-47, 1953-64. Jan. 15, 123.50; Apr. 13, 127.08; July 28, 135.24; Oct. 12, 127.90.

33-38-20aa. (C) Forrest Farrar. Drilled domestic well in Ogallala Formation and deposits of Pleistocene age; diameter 5 inches, depth 112 feet. Measuring point, slit in steel plate over casing, 0.60 foot above lsd. Highest water level 73.03 below lsd, Oct. 7, 1963; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-63. No measurement made in 1964.

33-38-20dd. (C) John R. Slemper. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 405 feet. Measuring point, west lower edge of pump, 1.10 feet above lsd. Highest water level 126.32 below lsd, Feb. 13, 1961; lowest 131.00 below lsd, Apr. 18, 1959. Records available: 1959-64. Jan. 15, 127.74; Apr. 13, P; July 28, P; Oct. 12, P.

#### SUMNER COUNTY

1. (C) Fred Kersey. SE SW sec. 5, T 30 S, R 2 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 8.61 below lsd, June 6, 1957; lowest 14.47 below lsd, Dec. 18, 1956. Records available: 1954-64. Jan. 8, 11.27.

13. (C) M. C. Parker. SE SE sec. 7, T 30 S, R 2 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 8.10 below lsd, Apr. 2, 1958; lowest 14.64 below lsd, Mar. 19, 1957. Records available: 1954-64. Jan. 8, 12.11.

14. (C) M. C. Parker. SE SE sec. 7, T 30 S, R 2 E. Bored observation well in alluvium; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.90 below lsd, Apr. 2, 1958; lowest 11.60 below lsd, Mar. 19, 1957. Records available: 1954-64. Jan. 8, 6.47.

19. (C) Thomas Graber. NW SE sec. 17, T 30 S, R 2 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.65 below lsd, June 6, 1957; lowest 12.18 below lsd, Sept. 13, 1956. Records available: 1954-64. Jan. 8, 10.17.

21. (C) William Van Warmer. SW SE sec. 21, T 30 S, R 2 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.55 below lsd, Apr. 2, 1958; lowest 6.70 below lsd, Mar. 19, 1957. Records available: 1954-64. Jan. 8, 4.83.

23. (C) H. E. Zolter. SW SE sec. 18, T 30 S, R 2 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 3.80 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: 1954-64. Jan. 8, 10.06.

24. (C) M. Carl. NE NE sec. 18, T 30 S, R 2 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.17 below lsd, June 6, 1957; lowest 14.83 below lsd, Dec. 19, 1956. Records available: 1954-64. Jan. 8, 11.57.

25. (C) Harold Martin. NE NW NE sec. 11, T 30 S, R 1 E. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 8.93 below lsd, Dec. 28, 1961; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-64. Jan. 8, 11.50.

#### THOMAS COUNTY

7. (C) City of Brewster. NW NE sec. 18, T 8 S, R 36 W. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 138 feet. Measuring point, top west side of casing, 0.30 foot above lsd. Highest water level 122.99 below lsd, July 20, 1949; lowest 128.02 below lsd, Oct. 14, 1948. Records available: 1942-64. Mar. 16, 124.15; June 15, 124.24. Measurement discontinued.

26. (C) Thomas A. Ryan. NE SE sec. 27, T 8 S, R 32 W. Drilled, unused, water-table well in Ogallala Formation; diameter 8 inches, depth 156 feet. Measuring point, top west side of casing, 0.60 foot above lsd. Highest water level 109.14 below lsd, Mar. 17, 1964; lowest 124.78 below lsd, Apr. 14, 1961. Records available: 1942-64. Mar. 17, 109.14; June 15, 109.19; Sept. 15, 109.60; Dec. 16, 109.82.

33. (C) Arch Ball. NW NW sec. 7, T 9 S, R 33 W. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 128 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 120.30 below lsd, Apr. 14, 1949. Records available: 1942-52, 1954, 1956-64. Mar. 16, 115.20; June 15, 115.30. Measurement discontinued.

6-34-17cb. (C) Conrad Dechert. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 263 feet. Measuring point, hole in west side of pump base, 0.50 foot above lsd. Highest water level 151.35 below lsd, Apr. 10, 1963; lowest 156.80 below lsd, July 10, 1963. Records available: 1962-64.

Mar. 16	151.52	June 15	151.48	Dec. 16	152.20
June 8	151.20	Sept. 22	155.44		

7-31-26cc. (C) Irene Rall. Drilled, water-table irrigation well in Ogallala Formation; diameter 14 inches, depth 176 feet. Measuring point, hole in inside ring of pump head base on the east side, 0.90 foot above lsd. Highest water level 102.49 below lsd, Jan. 15, 1963; lowest 104.70 below lsd, Sept. 15, 1964. Records available: 1962-64. Mar. 17, P; June 15, 104.60 (pumped recently); Sept. 15, 104.70; Dec. 16, 104.02.

7-36-17cc. (C) Ray H. Mayer. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 225+ feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 131.49 below lsd, Apr. 9, 1963; lowest 136.70 below lsd, Sept. 27, 1964. Records available: 1962-64.

## THOMAS COUNTY—concluded.

Mar. 16	131.95	June 15	134.15	Dec. 16	133.28
June 8	134.45	Sept. 27	136.70		

8-34-1ba. (C) U.S.D.A. and Kansas Agricultural Experiment Station. Drilled, unused, water-table well in Ogallala Formation; depth 160 feet. Measuring point, top of casing, 0.27 foot above lsd. Highest water level 112.31 below lsd, May 27, 1954; lowest 116.73 below lsd, Sept. 2, 1964. Records available: 1947-64. Mar. 17, 114.49; June 15, 114.74; Sept. 2, 116.73.

## TREGO COUNTY

12-23-20ccc. (C) Howard and Floyd Keyser. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 65 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 19.22 below lsd, Sept. 14, 1960; lowest 23.87 below lsd, Sept. 15, 1964. Records available: 1960, 1964. 1960: Sept. 14, 19.22. 1964: Sept. 15, 23.87.

14-21-33bcc. (MB) U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 21 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 6.70 below lsd, Mar. 20, 1961; lowest 9.43 below lsd, Dec. 15, 1964. Records available: 1961, 1963-64.

Feb. 17	9.20	June 9	8.52	Sept. 15	9.20
Mar. 18	9.26	11	8.70	Oct. 27	9.30
Apr. 6	9.20	Aug. 10	9.00	Dec. 15	9.43

14-21-35ccc. (C) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 21 feet. Measuring point, top of pipe, 1.9 feet above lsd. Highest water level 10.40 below lsd, Aug. 15, 1962; lowest 16.50 below lsd, May 13, 1964. Records available: 1961-64.

1961					
Mar. 17	11.00	Oct. 8	12.20	Sept. 9	13.90
July 7	11.40	1963		1964	
Nov. 13	12.10	Jan. 16	12.40	Feb. 17	14.50
1962		Mar. 15	12.70	Apr. 6	12.70
Jan. 30	12.00	May 13	16.50	June 11	12.80
Apr. 25	12.00	June 10	12.90	July 8	11.6
June 5	11.80	July 23	12.50	Aug. 10	12.40
Aug. 15	10.40	Aug. 13	12.40	Oct. 27	12.80

14-21-36aaa. (C) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 49 feet. Measuring point, top of pipe, 2.2 feet above lsd. Highest water level 40.40 below lsd, Aug. 10, 1964; lowest dry, Aug. 15, 1962. Records available: 1961-64.

1961					
Mar. 15	44.45	Oct. 8	45.00	Sept. 9	41.50
July 7	46.90	1963		1964	
Nov. 13	46.90	Jan. 16	45.50	Feb. 17	44.50
1962		Mar. 15	45.70	Apr. 6	45.80
Jan. 30	46.90	May 13	45.90	June 11	41.40
Apr. 25	46.90	June 10	41.50	July 9	40.6
June 5	47.00	July 23	41.40	Aug. 10	40.40
Aug. 15	dry	Aug. 13	41.30	Oct. 27	42.20

14-21-36bbb. (C) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 14 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 8.00 below lsd, Oct. 27, 1964; lowest 11.10 below lsd, June 5, 1962. Records available: 1961-64.

1961					
Mar. 16	9.90	Oct. 8	10.70	Sept. 9	8.70
July 7	10.90	1963		1964	
Nov. 13	11.00	Jan. 16	10.90	Feb. 17	9.40
1962		Mar. 15	10.90	Apr. 6	9.60
Jan. 30	11.00	May 13	11.00	June 11	9.60
Apr. 25	11.00	June 10	10.70	July 8	8.6
June 5	11.10	July 23	9.50	Aug. 10	8.50
Aug. 15	9.70	Aug. 13	9.00	Oct. 27	8.00

14-22-26add. (MB) U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 74 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 16.49 below lsd, Apr. 13, 1962; lowest 20.20 below lsd, Dec. 15, 1964. Records available: 1962-64. Mar. 18, 18.38; June 9, 18.82; Sept. 15, 18.74; Dec. 15, 20.20.

14-22-36aa. (MB) U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 64 feet. Measuring point, top of pipe, 1.40 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, 1956-64.

Mar. 18	27.10	July 8	26.9	Dec. 15	26.99
June 9	27.28	Sept. 15	27.3		

## WALLACE COUNTY

15-38-28db. (C) Selma Nelson. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 200 feet. Measuring point, hole in west side of pump base, 0.30 foot above lsd. Highest water level 85.40 below lsd, Oct. 7, 1960; lowest 101.02 below lsd, June 9, 1964. Records available: 1960-64. Mar. 18, 94.35; June 9, 101.02; Sept. 8, P; Dec. 16, P.

15-39-2bc. (C) Frazier Farms. Drilled, water-table irrigation well in Ogallala Formation; diameter 30 inches, depth 195 feet. Measuring point, hole in southwest side of pump, 0.20 foot above lsd. Highest water level 112.02 below lsd, June 23, 1958; lowest 124.73 below lsd, Dec. 16, 1964. Records available: 1958, 1962-64. Mar. 18, 119.02; June 9, 121.76; Sept. 8, P; Dec. 16, 124.73.

15-39-8ac. (C) William Mai. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 222 feet. Measuring point, hole in northeast corner pump base, at land surface. Highest water level 104 below lsd, May 1948; lowest 125 below lsd, Mar. 1964. Records available: 1948, 1964. 1948: May, 104. 1964: Jan., 120; Mar., 125; Nov. 23, P.

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 90.30 below lsd, June 9, 1964. Records available: 1958-64. June 9, 90.30; Sept. 8, P.

15-41-4ba. (C) Don Hanson. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 260 feet. Measuring point, hole in northeast side pump base, 0.3 foot above lsd. Records available: 1963-64. 1963: Jan. 119.70. 1964: Nov. 23, P.

## WICHITA COUNTY

16-35-20cc. (C) F. F. Miller. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 186 feet. Measuring point, hole in base of pump, 0.50 foot above lsd. Highest water level 103.24 below lsd, May 7, 1951; lowest 128.82 below lsd, Dec. 16, 1964. Records available: 1951, 1953-64. Mar. 18, 120.05; June 2, 124.75; Sept. 8, 128.12; Dec. 16, 128.82.

16-37-13bb. (C) C. Pearson. Drilled, water-table irrigation well in Ogallala Formation; depth 136 feet. Measuring point, hole in west side of pump base, at land surface. Highest water level 77.65 below lsd, June 14, 1951; lowest 98.66 below lsd, Sept. 8, 1964. Records available: 1951, 1953-64. Mar. 18, P; June 9, 91.33; Sept. 8, 98.66; Dec. 16, 93.48.

16-37-30ac. (C) H. E. Thurston. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 220 feet. Measuring point, hole in west side of pump base, 0.30 foot above lsd. Highest water level 98.58 below lsd, Mar. 28, 1960; lowest 118.93 below lsd, Dec. 6, 1963. Records available: 1959-64. Mar. 18, 110.76; June 9, 113.44; Sept. 8, P; Dec. 16, 115.96.

18-35-14dc. (C) A. H. Conrady. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 139 feet. Measuring point, hole in north side of pump base, 0.40 foot above lsd. Highest water level 79.74 below lsd, Apr. 11, 1951; lowest 97.93 below lsd, Sept. 13, 1961. Records available: 1951, 1958-64. Feb. 3, 86.20; May 13, 97.57; Aug. 10, P; Nov. 18, P.

18-37-21bb. (C) Ruth Gibson. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 195 feet. Measuring point, edge of 1-inch hole in southwest side of pump base, 0.30 foot above lsd. Highest water level 98.26 below lsd, Feb. 20, 1962; lowest 118.86 below lsd, May 13, 1964. Records available: 1962-64. May 13, 118.86; Aug. 19, P; Nov. 18, 117.39.

20-36-14dal. (C) Elmer Hartman. Drilled, water-table observation well in Ogallala Formation, diameter 6 inches, depth 108 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 94.33 below lsd, Feb. 3, 1964; lowest 95.53 below lsd, Nov. 18, 1964. Records available: 1962-64. Feb. 3, 94.33; May 13, 94.34; Aug. 10, 94.51Pc\*; Nov. 18, 95.53.

\* Windmill pumping 15 feet west.

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