

**GROUND-WATER LEVELS IN  
OBSERVATION WELLS  
IN KANSAS, 1957**

**By**

**V. C. Fishel and Betty J. Mason**

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FRANK C. FOLEY, Ph.D.

*State Geologist and Director*

*Division of Ground Water*

V. C. FISHEL, B.S.

*Engineer in Charge*

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BULLETIN 131

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By

V. C. FISHEL AND BETTY J. MASON

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



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# GROUND-WATER LEVELS IN OBSERVATION WELLS IN KANSAS, 1957

By V. C. FISHEL AND BETTY J. MASON

## ABSTRACT

Measurements of water levels in 775 wells in 71 counties in Kansas in 1957 are given in this report, which is the second in a series of water-level reports to be published by the state. Records for part of the wells for years prior to 1956 have been published in an annual series of water-supply papers by the United States Geological Survey; records for some of the wells that are in the Missouri Basin have been issued in an annual series of mimeographed reports for the years 1947 through 1955; and records for some wells have been included in both reports.

Annual precipitation in the state ranged from 17.12 inches at Tribune to 54.10 inches at Wellington. The precipitation exceeded the long-term annual means over the entire state except at four U.S. Weather Bureau stations. Drought conditions prevailed in Kansas during the five years prior to 1957.

Ground-water levels in Kansas declined during the drought years 1952 through 1956, and at the beginning of 1957 most levels were at their lowest recorded stage. Precipitation during 1957 stopped the downward trend of the water levels, and most of the shallow ground-water levels rose during the year, but at the end of the year most levels were still much below their pre-drought stage.

## INTRODUCTION

In 1957 the first of a series of annual reports, containing records of observation wells in Kansas in 1956, was published by the State Geological Survey of Kansas.<sup>a</sup> The present report is the second of the series and contains the water-level measurements of 775 wells made during 1957.

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

The objectives of the observation-well program are to provide an evaluation of available ground-water supplies, to facili-

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<sup>a</sup> Fishel, V. C., and Mason, Betty J., 1956, Ground-water levels in observation wells in Kansas, 1956: Kansas Geol. Survey Bull. 125, p. 1-158, fig. 1-22.

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

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

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

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

#### COOPERATIVE GROUND-WATER PROGRAM

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





TABLE 2.—Ground-water reports published as bulletins or volumes by the State Geological Survey.

Bulletin no.	Title	Author	Date published
**27	Ground-Water Resources of Kansas	R. C. Moore	1940
**35	A Preliminary Report on the Water Supply of the Meade Artesian Basin, Meade County, Kansas	J. C. Frye	1940
*37	Geology and Ground-Water Resources of Stanton County, Kansas	B. F. Latta	1941
*38 pt. 2	Ground-Water Conditions in the Vicinity of Lawrence, Kansas	S. W. Lohman	1941
**38 pt. 8	Ground-Water Resources of Mississippian and Older Rocks in Bourbon, Crawford, Cherokee, and Labette Counties, Southeastern Kansas	G. E. Abernathy	1941
**38 pt. 9	Reconnaissance of Ground-Water Resources of Atchison County, Kansas	J. C. Frye	1941
*40	Geology and Ground-Water Resources of Morton County, Kansas	T. G. McLaughlin	1942
*41 pt. 1	Ground-Water Supplies available for National Defense Industries in South-Central Kansas	S. W. Lohman	1942
*41 pt. 2	Ground-Water Supplies available in Kansas for National Defense Industries	S. W. Lohman and others	1942
*43	Geology and Ground-Water Resources of Ford County, Kansas	H. A. Waite	1942
*45	Geology and Ground-Water Resources of Meade County, Kansas	J. C. Frye	1942
*47 pt. 3	Deep Water Well at the Jayhawk Ordnance Works in Cherokee County, Kansas	G. E. Abernathy	1943
*49	Geology and Ground-Water Resources of Hamilton and Kearny Counties, Kansas	T. G. McLaughlin	1943
*50	Ground Water in the Oil-Field Areas of Ellis and Russell Counties, Kansas	J. C. Frye and J. J. Brazil	1943
*52 pt. 2	Ground-Water Conditions in the Neosho River Valley in the Vicinity of Parsons, Kansas	C. C. Williams	1944
*55	Geology and Ground-Water Resources of Finney and Gray Counties, Kansas	B. F. Latta	1944
*59	Geology and Ground-Water Resources of Thomas County, Kansas	J. C. Frye	1945
*61	Geology and Ground-Water Resources of Grant, Haskell, and Stevens Counties, Kansas	T. G. McLaughlin	1946
*64 pt. 3	Ground-Water Conditions in Elm Creek Valley, Barber County, Kansas	C. C. Williams and C. K. Bayne	1946
*64 pt. 5	Ground-Water Conditions in Arkansas River Valley in the Vicinity of Hutchinson, Kansas	C. C. Williams	1946
*65	Geology and Ground-Water Resources of Kiowa County, Kansas	B. F. Latta	1948
*66	Geology and Ground-Water Resources of Scott County, Kansas	H. A. Waite	1947
*69	Geology and Ground-Water Resources of Seward County, Kansas	F. E. Byrne and T. G. McLaughlin	1947

TABLE 2.—Continued.

Bulletin no.	Title	Author	Date published
*71	Ground-Water Resources of the Kansas City, Kansas, Area	V. C. Fishel	1948
*73	Geology and Ground-Water Resources of Republic County and Northern Cloud County, Kansas	V. C. Fishel	1948
**76 pt. 2	Contamination of Deep Water Wells in Southeastern Kansas	C. C. Williams	1948
**76 pt. 6	Ground-Water Supplies at Hays, Victoria, Walker, Gorham, and Russell, Kansas, with special reference to future needs	B. F. Latta	1948
*79	Geology and Ground-Water Resources of a part of South-Central Kansas with special reference to the Wichita municipal water supply	C. C. Williams and S. W. Lohman	1949
80	Geology and Ground-Water Resources of Pawnee and Edwards Counties, Kansas	T. G. McLaughlin	1949
81	Geology and Ground-Water Resources of Norton County and Northwestern Phillips County, Kansas	J. C. Frye and A. R. Leonard	1949
84	Ground-Water Conditions in the Smoky Hill Valley in Saline, Dickinson, and Geary Counties, Kansas	B. F. Latta	1949
85	Geology and Ground-Water Resources of Rice County, Kansas	O. S. Fent	1950
*86 pt. 6	Subsurface Reconnaissance of Glacial Deposits in Northeastern Kansas	J. C. Frye and K. L. Walters	1950
88	Geology and Ground-Water Resources of Barton and Stafford Counties, Kansas	B. F. Latta	1950
93	Geology and Ground-Water Resources of Lane County, Kansas	G. C. Prescott, Jr.	1951
94	Ground-Water Resources of Pawnee Valley, Kansas	V. C. Fishel	1952
95	Geology and Ground-Water Resources of Lincoln County, Kansas	D. W. Berry	1952
96 pt. 5	Geology and Ground-Water Resources of the Kansas River Valley between Lawrence and Topeka, Kansas	S. N. Davis and W. A. Carlson	1952
98	Geology and Ground-Water Resources of the North Fork Solomon River in Mitchell, Osborne, Smith, and Phillips Counties, Kansas	A. R. Leonard	1952
100	Geology and Ground-Water Resources of Cheyenne County, Kansas	G. C. Prescott, Jr.	1953
101	Geology and Ground-Water Resources of Jackson County, Kansas	K. L. Walters	1953
105	Geology and Ground-Water Resources of Sherman County, Kansas	G. C. Prescott, Jr.	1953
106	Geology and Ground-Water Resources of Marshall County, Kansas	K. L. Walters	1954
108	Geology and Ground-Water Resources of Wichita and Greeley Counties, Kansas	G. C. Prescott, Jr., J. R. Branch, and W. W. Wilson	1954

TABLE 2.—*Concluded*

Bulletin no.	Title	Author	Date published
110	Geology and Ground-Water Resources of Graham County, Kansas	G. C. Prescott, Jr.	1955
115	Geology and Ground-Water Resources of Jewell County, Kansas	V. C. Fishel and A. R. Leonard	1956
116	Geology and Ground-Water Resources of Sheridan County, Kansas	C. K. Bayne	1956
117	Geology and Ground-Water Resources of Rawlins County, Kansas	K. L. Walters	1956
119 pt. 1	Progress Report on the Ground-Water Hydrology of the Equus Beds Area, Kansas	G. J. Stramel	1956
120	Geology and Ground-Water Resources of Reno County, Kansas	C. K. Bayne	1956
125	Ground-Water Levels in Observation Wells in Kansas, 1956	V. C. Fishel and Betty J. Mason	1957
126	Ground-Water Resources of the Ladder Creek Area in Kansas	Edward Bradley and C. R. Johnson	1957
127 pt. 2	Evaluation of a Conducting-Paper Analog Field Plotter as an Aid in Solving Ground-Water Problems	L. E. Mack	1957
127 pt. 5	The Hydraulic Properties of the Ordovician Rocks at Pittsburg, Kansas	G. J. Stramel	1957
129	Geology and Ground-Water Resources of Logan County, Kansas	C. R. Johnson	1958
*130 pt. 1	Quaternary Geology and Ground-Water Resources of Kansas River Valley between Bonner Springs and Lawrence, Kansas	A. E. Dufford	1958
132	Geology and Ground-Water Hydrology of the Ingalls Area, Kansas	G. J. Stramel, C. W. Lane, and W. G. Hodson	1958
Volume 11	Geology, Mineral Resources, and Ground-Water Resources of Chase County, Kansas	R. C. Moore and others	1951
Volume 12	Geology, Mineral Resources, and Ground-Water Resources of Lyon County, Kansas	H. G. O'Connor and others	1953
Volume 13	Geology, Mineral Resources, and Ground-Water Resources of Osage County, Kansas	H. G. O'Connor and others	1955
* .....	Ground Water in Southwestern Kansas	J. C. Frye and V. C. Fishel	1949

\* Location of area not shown on Figure 1.

\* Out of print.

### ACKNOWLEDGMENTS

Measurements of water levels in western Kansas were made by Guy Vincent and Howard Corrigan of the Division of Water Resources. The recorder well in Shawnee County was serviced

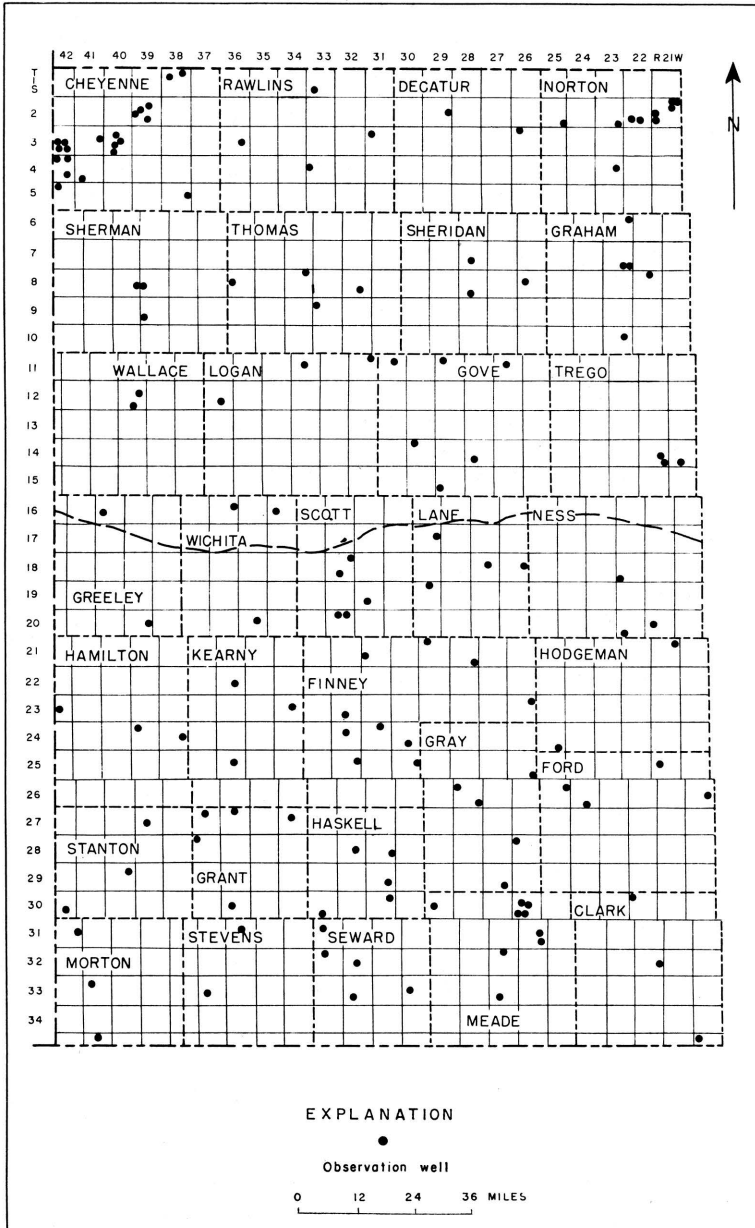


FIG. 2.—Location of observation wells in western Kansas, 1957. Dashed line separates Missouri Basin above from Arkansas Basin below.

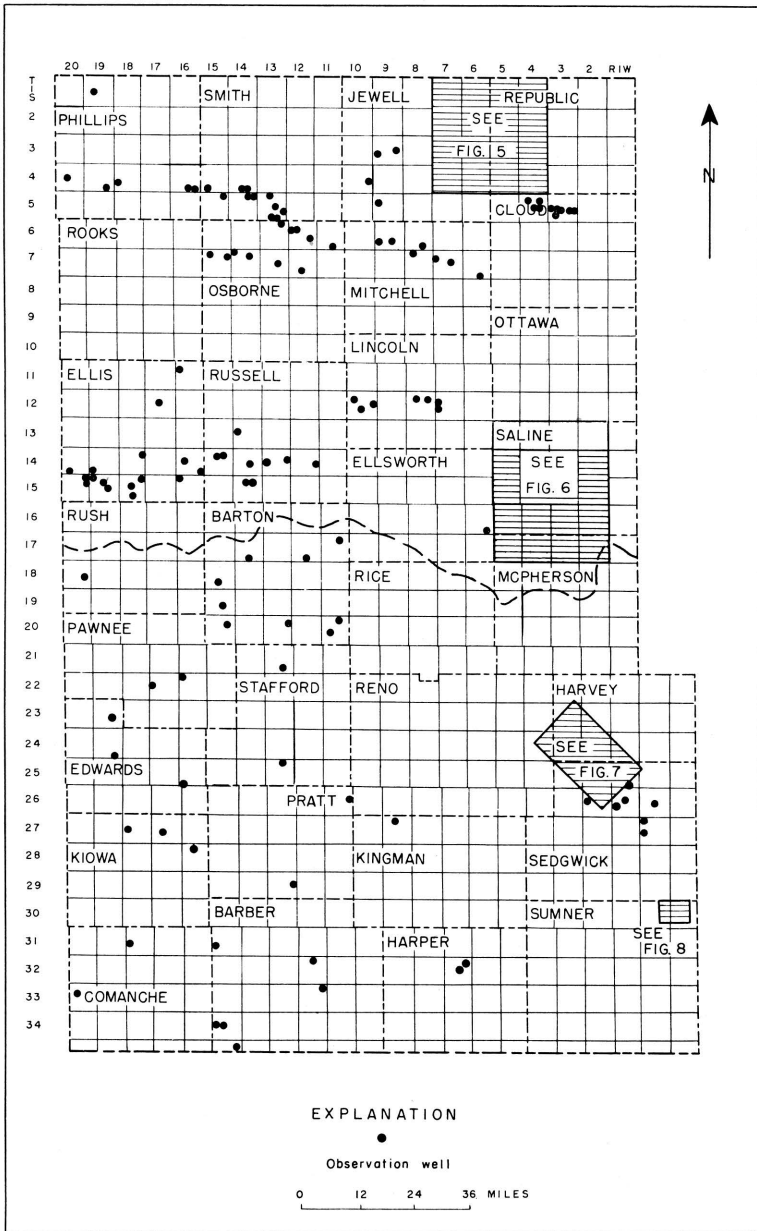


FIG. 3.—Location of observation wells in central Kansas, 1957. Dashed line separates Missouri Basin above from Arkansas Basin below.

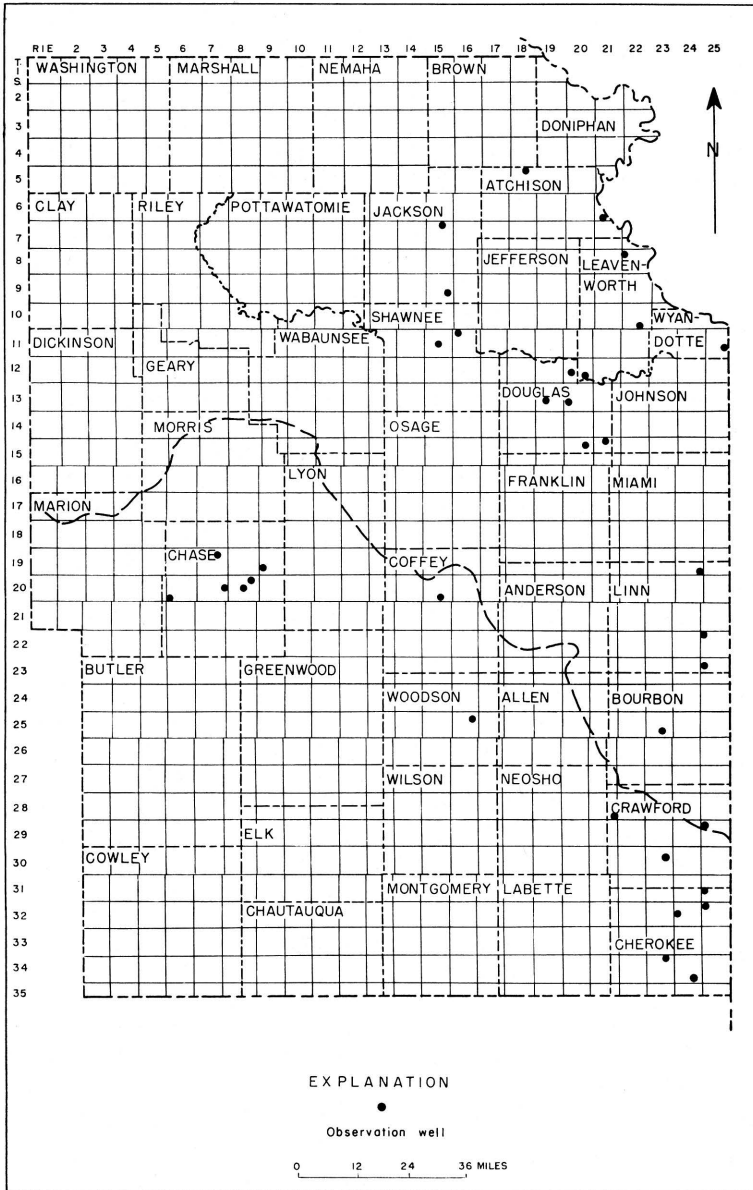


FIG. 4.—Location of observation wells in eastern Kansas, 1957. Dashed line separates Missouri Basin above from Arkansas Basin below.

by Harris B. Mackey of the Division of Water Resources. Records of water levels in southeastern Kansas were provided by A. L. Hornbaker and Douglas Beene of the State Geological Survey. The observation-well program in the Equus beds area was carried out under the direction of S. A. Smith of the City of Wichita Water Department. The measurements for two wells in the Anthony well field were submitted by C. W. Atchison, Water Superintendent. The recorder well in Trego County was serviced by Ray Holland of the Bureau of Reclamation. Measurements of the water levels in wells in the Almena, Bostwick, and St. Francis units and some of the wells in the Kirwin and Webster units of the Missouri Basin program were made by R. W. Cleveland, E. M. Meyer, and M. D. Harper of the Bureau of

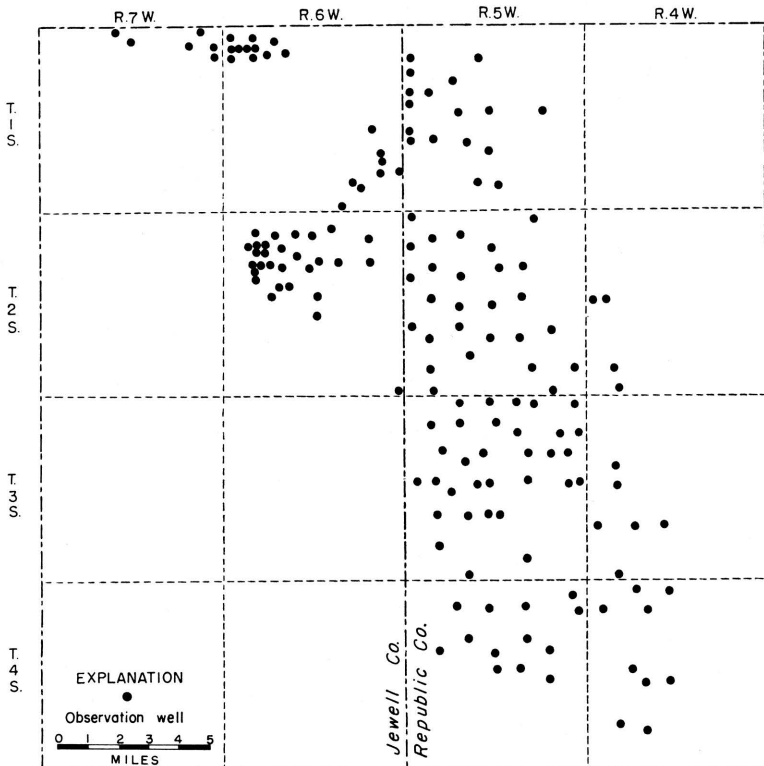


FIG. 5.—Location of observation wells in Bostwick unit in Jewell and Republic Counties, 1957.

Reclamation. The other wells were observed by members of the Federal and State Geological Surveys.

SCOPE OF WATER-LEVEL PROGRAM

At the end of 1957 the water levels in 709 wells in 71 counties were being observed. During 1957, 10 wells were added to the observation-well network and measurements were discontinued in 66 wells. Eleven wells were equipped with continuous water-level recorders; some wells were observed weekly, some monthly, some quarterly, and some annually. The distribution of the wells by counties is given in Table 3 and is shown in Figures 2 to 8 inclusive. In four areas in central Kansas the wells are too closely spaced to show on the areal map in Figure 3, hence these areas are shown enlarged in Figures 5, 6, 7, and 8.

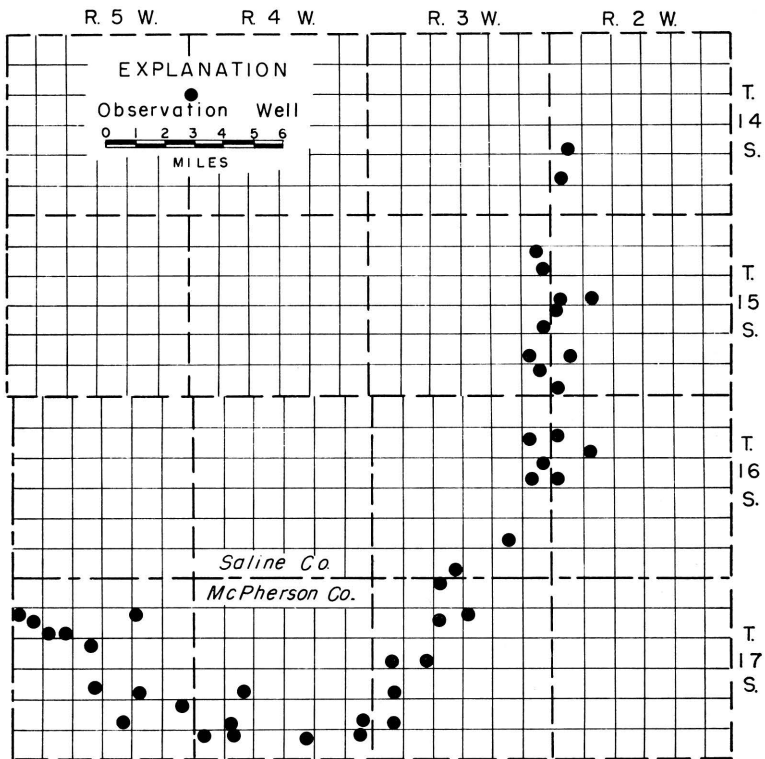


FIG. 6.—Location of observation wells in Kanopolis unit in Saline and McPherson Counties, 1957.



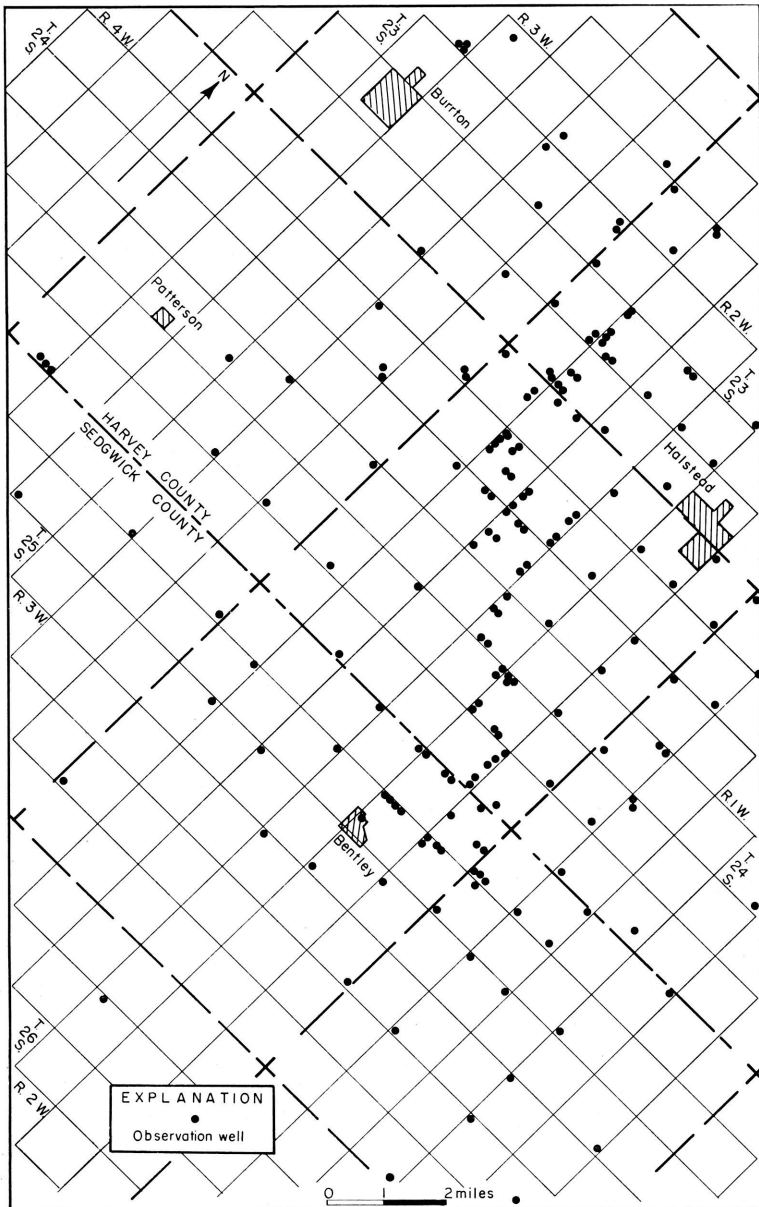


FIG. 7.—Location of observation wells in Equus beds area, Harvey and Sedgwick Counties, 1957.

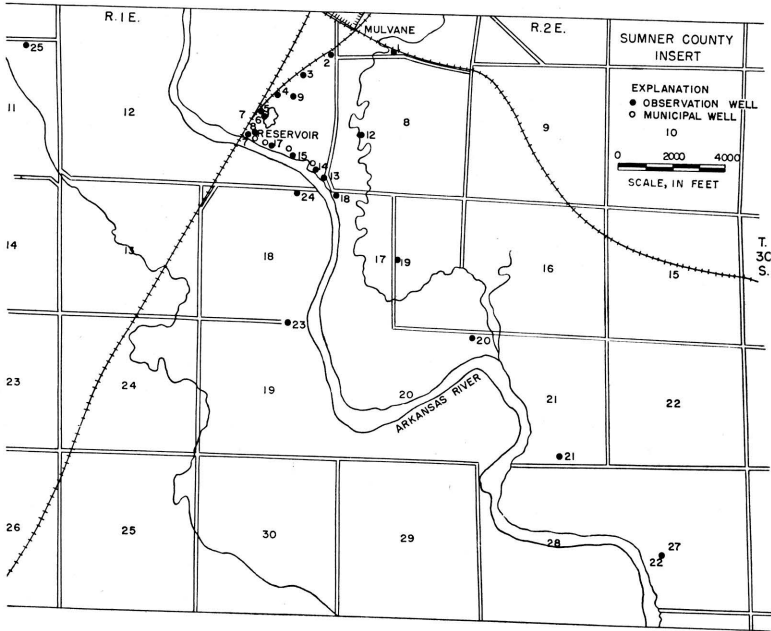


FIG. 8.—Location of observation wells near Mulvane, Sumner County, 1957.

TABLE 3.—Summary of the Kansas observation-well program during 1957.

County	Number of wells measured at end of year		Observer <sup>a</sup>
	Missouri Basin	Arkansas Basin	
Atchison	2	..	GS
Barber	..	6	KSBA
Barton	..	9	KSBA
Bourbon	1	..	GS
Chase	..	6	GS
Cherokee	..	5	GS
Cheyenne	21	..	BR and KSBA
Clark	..	3	KSBA
Cloud	10	..	BR
Coffey	..	1	GS
Comanche	..	2	KSBA
Crawford	1	2	GS
Decatur	2	..	KSBA
Douglas	6	..	GS
Edwards	..	3	KSBA
Ellis	16	..	GS and KSBA
Ellsworth	1	..	GS
Finney	..	10	KSBA
Ford	..	4	KSBA
Gove	6	..	KSBA
Graham	5	..	KSBA
Grant	..	5	KSBA

TABLE 3.—*Concluded*

County	Number of wells measured at end of year		Observer <sup>a</sup>
	Missouri Basin	Arkansas Basin	
Gray	..	5	KSBA
Greeley	1	1	KSBA
Hamilton	..	3	KSBA
Harper	..	2	A
Harvey	..	131	W
Haskell	..	5	KSBA
Hodgeman	..	2	KSBA
Jackson	2	..	GS
Jewell	58	..	BR and GS
Kearny	..	3	KSBA
Kingman	..	1	KSBA
Kiowa	..	3	KSBA
Lane	..	4	KSBA
Leavenworth	2	..	GS
Lincoln	7	..	GS
Linn	3	..	GS
Logan	3	..	KSBA
McPherson	24	..	GS
Meade	..	9	KSBA
Mitchell	7	..	GS
Morton	..	3	KSBA
Ness	..	3	KSBA
Norton	10	..	GS and KSBA
Osborne	11	..	GS
Pawnee	..	2	KSBA
Phillips	6	..	GS
Pratt	..	2	KSBA
Rawlins	4	..	KSBA
Republic	110	..	BR
Rush	..	1	KSBA
Russell	7	..	KSBA
Saline	20	..	GS
Scott	..	5	KSBA
Sedgwick	..	55	W
Seward	..	5	KSBA
Shawnee	2	..	KSBA and GS
Sheridan	3	..	KSBA
Sherman	3	..	KSBA
Smith	11	..	GS
Stafford	..	2	KSBA
Stanton	..	3	KSBA
Stevens	..	2	KSBA
Sumner	..	22	GS
Thomas	4	..	KSBA
Trego	3	..	GS and BR
Wallace	2	..	KSBA
Wichita	2	1	KSBA
Woodson	..	1	GS
Wyandotte	1	..	GS
Total	377	332	

<sup>a</sup> GS, Federal and State Geological Surveys; KSBA, Guy Vincent, H. C. Corrigan, and Harris B. Mackey, Division of Water Resources, Kansas State Board of Agriculture; BR, Bureau of Reclamation; A. C. W. Atchison, Water Superintendent, City of Anthony; W, S. A. Smith, City of Wichita.

In 1946 an observation-well program was started in some valley areas as a part of the program of the Department of the Interior for the development of the Missouri Basin. These valley areas are in the units that were proposed or were being developed as irrigation projects by the Bureau of Reclamation. The water-level measurements made on these wells during 1957 are given in this report. The areas included in the Missouri Basin program are given in Table 4.

TABLE 4.—Valley areas included in the Missouri Basin program.

Unit	Valley	Counties	Number of wells being measured at end of 1957
Almena	Prairie Dog Creek	Norton and Phillips	16
Bostwick	Republican River	Jewell, Republic, and Cloud	178
Cedar Bluff	Smoky Hill River	Ellis and Trego	19
Glen Elder	Solomon River	Mitchell	7
Kanopolis	Smoky Hill River	Saline, McPherson, and Ellsworth	45
Kirwin	North Fork Solomon River	Smith, Phillips, and Osborne	28
Webster	South Fork Solomon River	Osborne	6
Wilson	Saline River	Lincoln	7
St. Francis	South Fork Republican River	Cheyenne	21
Total			327

### WELL-NUMBERING SYSTEMS

Most wells are numbered either serially within counties or in accordance with the Bureau of Land Management system of land subdivision. In the location system the first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. Thus, in Cloud County, the number 6-2-30dad indicates that the well is in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, T. 6 S., R. 2 W. (Fig. 9).

The letters (MB) following the well number indicate that the well is a Missouri Basin well and that records previous to 1956, if any, were released annually in a mimeographed series of reports. The letter (C) indicates that the well is observed as a part of the cooperative ground-water program and previous records, if any, have been published in the annual series of Water-Supply Papers. The letters (MB C) indicate that the well

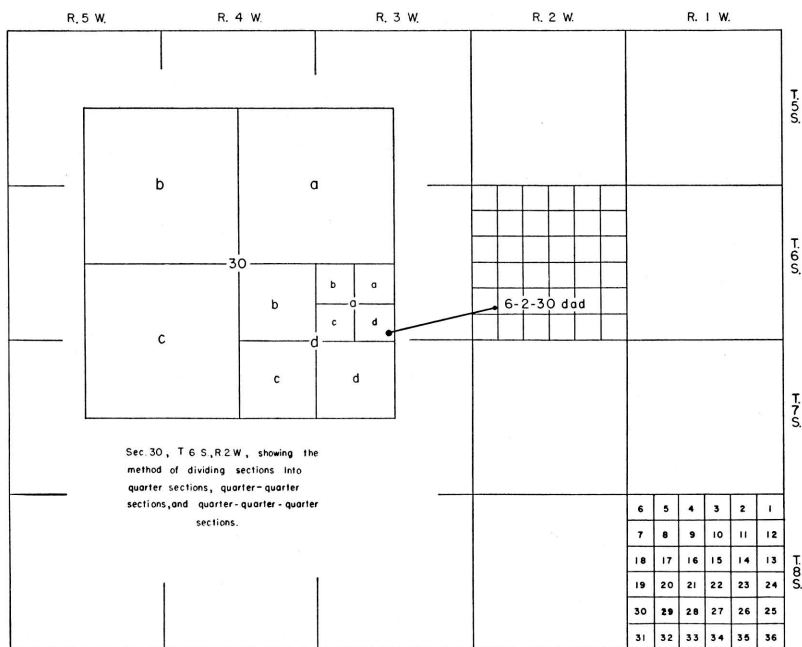


FIG. 9.—Map of Cloud County illustrating well-numbering system based on land classification system.

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

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

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

## PRECIPITATION

Information pertaining to precipitation was abstracted from the U. S. Weather Bureau annual summary of climatological data

for Kansas for 1957. Annual precipitation in the state ranged from 17.12 inches at Tribune to 54.10 inches at Wellington. Most counties in the eastern two thirds of the state received more than 30 inches of rainfall in 1957. The western counties received less than 20 inches. Annual precipitation exceeded the long-term annual means over the entire state except at Concordia, LaCygne, Paola, and Pleasanton. Most stations in the central and western sections and in the western parts of the east-central and south-eastern sections received more than 120 percent of their long-term means. Some of the north-central, central, and south-central areas received more than 150 percent of their long-term annual averages.

The abundant rainfall in 1957 contrasted sharply with the scanty rainfall in 1956, which was the driest year of record for 44 of the 105 counties.

One of the worst spring blizzards of record occurred from March 22 to 25. In parts of western Kansas, snow drifts reached 30 feet in depth.

The precipitation in Kansas for 1957 is summarized in Figures 10, 11, and 12. Figure 10 shows the monthly precipitation and normal precipitation at Goodland in western Kansas, at Concordia in central Kansas, and at Lawrence in eastern Kansas. Figure 11 shows by contours the precipitation during 1957 and the departure from normal precipitation during 1957 for 16 Weather Bureau stations. Figure 12 shows the annual precipitation and the cumulative departure from normal precipitation at Goodland, Concordia, and Lawrence for the 25-year period 1933 to 1957.

## CHANGES IN WATER LEVELS

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

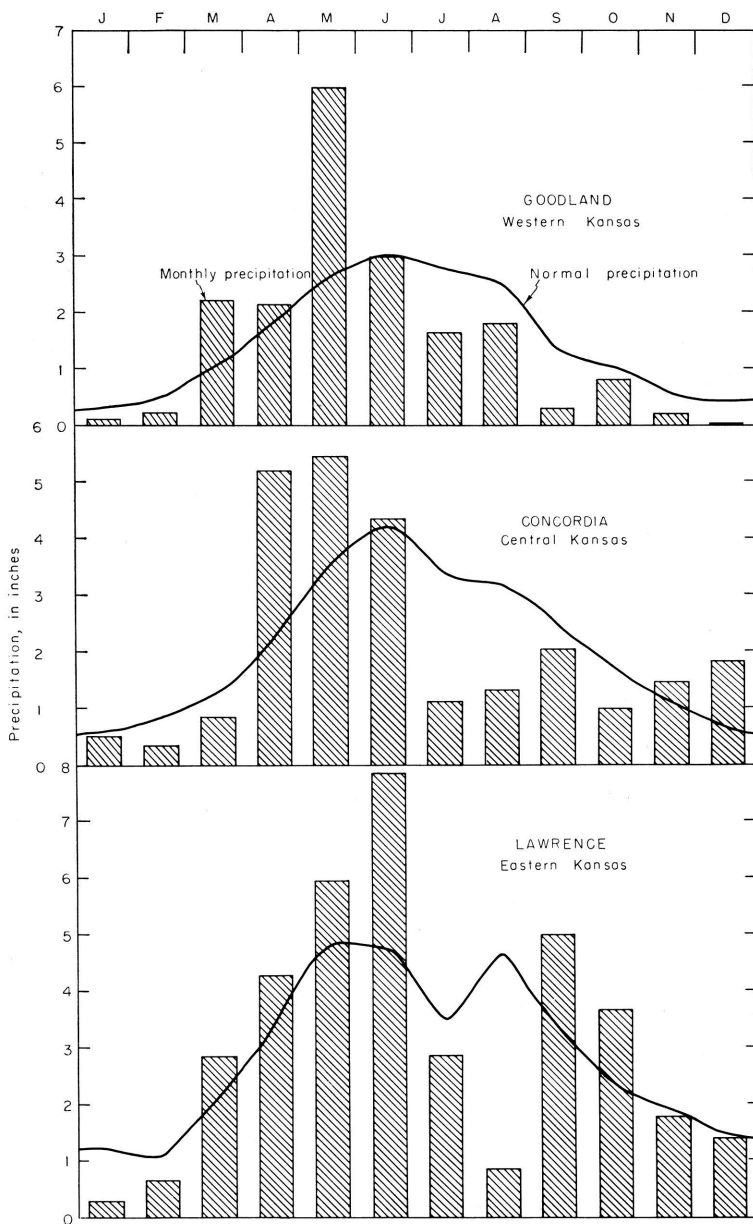


FIG. 10.—Monthly precipitation during 1957 and normal monthly precipitation at Goodland, Concordia, and Lawrence. Data from reports of U. S. Weather Bureau.

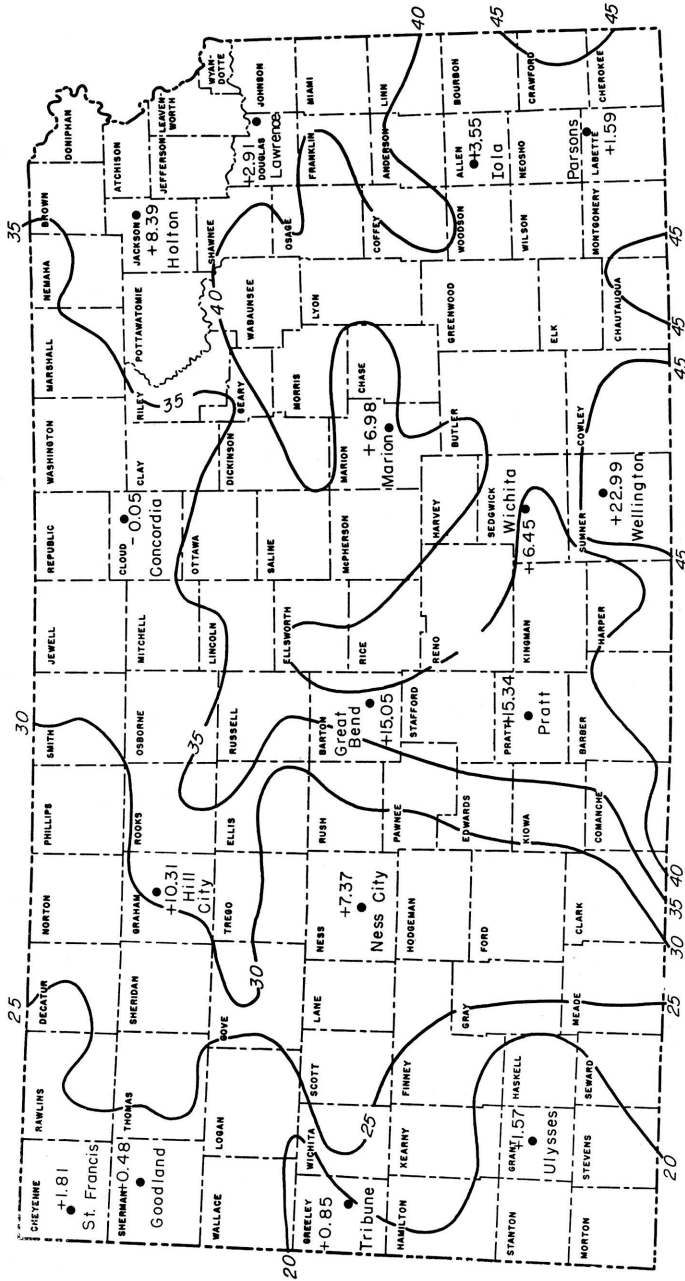


Fig. 11.—Map of Kansas showing 1957 precipitation by means of contours and departure from normal precipitation at selected U. S. Weather Bureau stations. Data from reports of U. S. Weather Bureau.



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

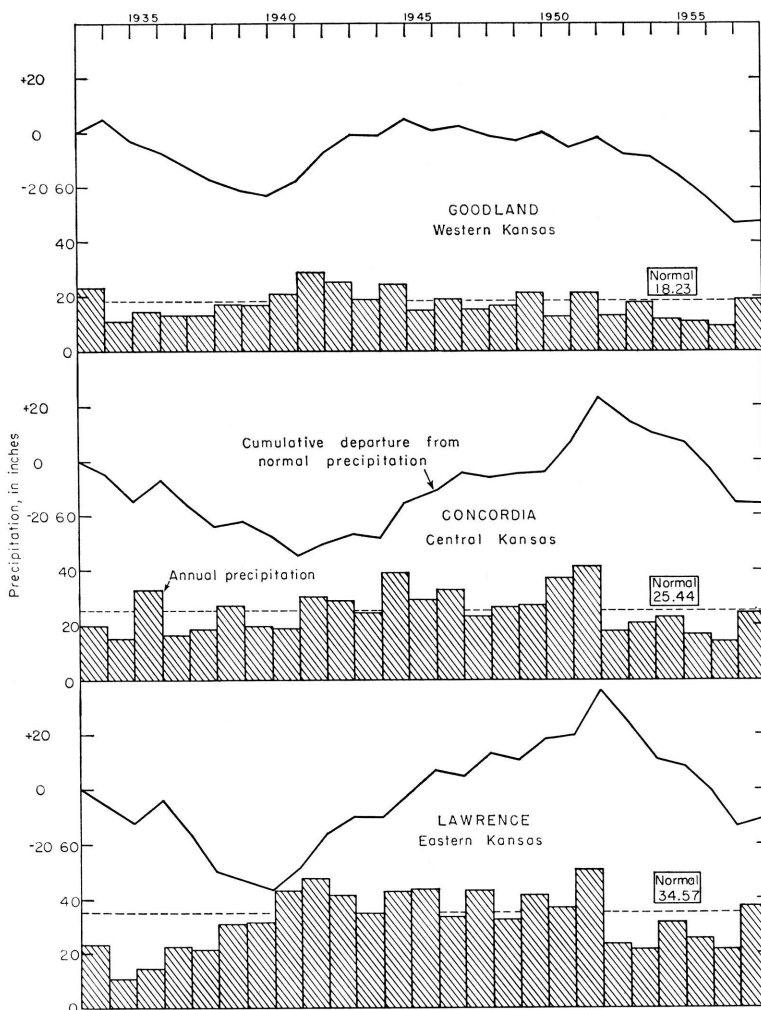


FIG. 12.—Annual precipitation and cumulative departure from normal precipitation for 25-year period 1933 through 1957 at Goodland, Concordia, and Lawrence. Data from reports of U. S. Weather Bureau.

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

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

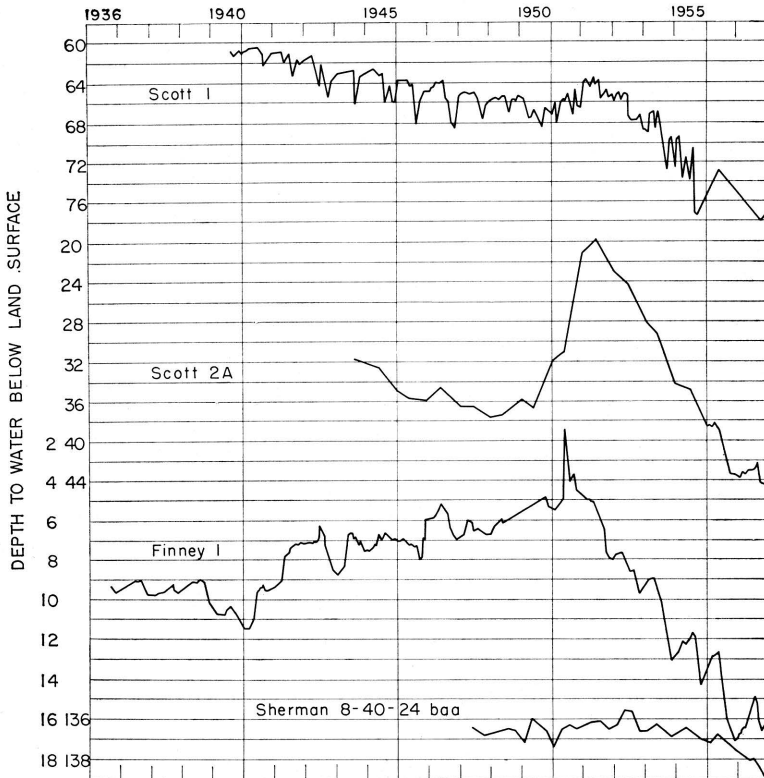


FIG. 13.—Hydrographs of four wells in Finney, Scott, and Sherman Counties.

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

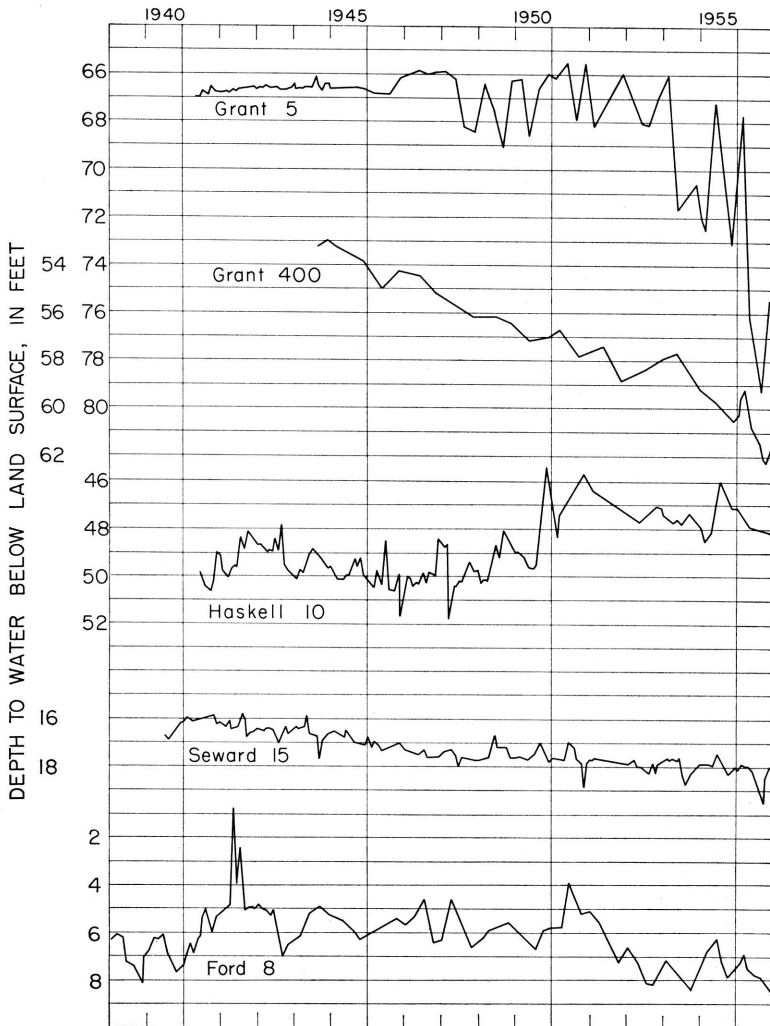


FIG. 14.—Hydrographs of five wells in Ford, Grant, Haskell, and Seward Counties.

WESTERN KANSAS

All municipal supplies in western Kansas are obtained from ground water. Also, large quantities of water are pumped for irrigation in western Kansas. Average annual recharge in much of the area is low, being of the order of possibly one-fourth to

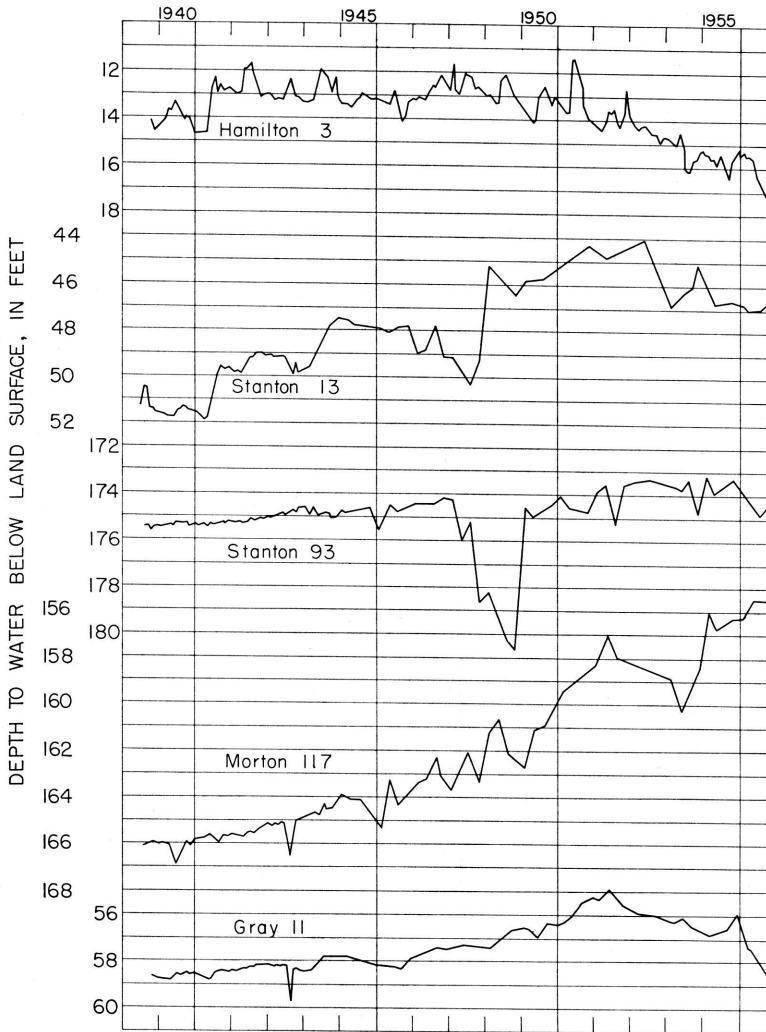


FIG. 15.—Hydrographs of five wells in Gray, Hamilton, Morton, and Stanton Counties.

one-half an inch, but most of this recharge occurs during years of heavy precipitation. The changes in water levels in western

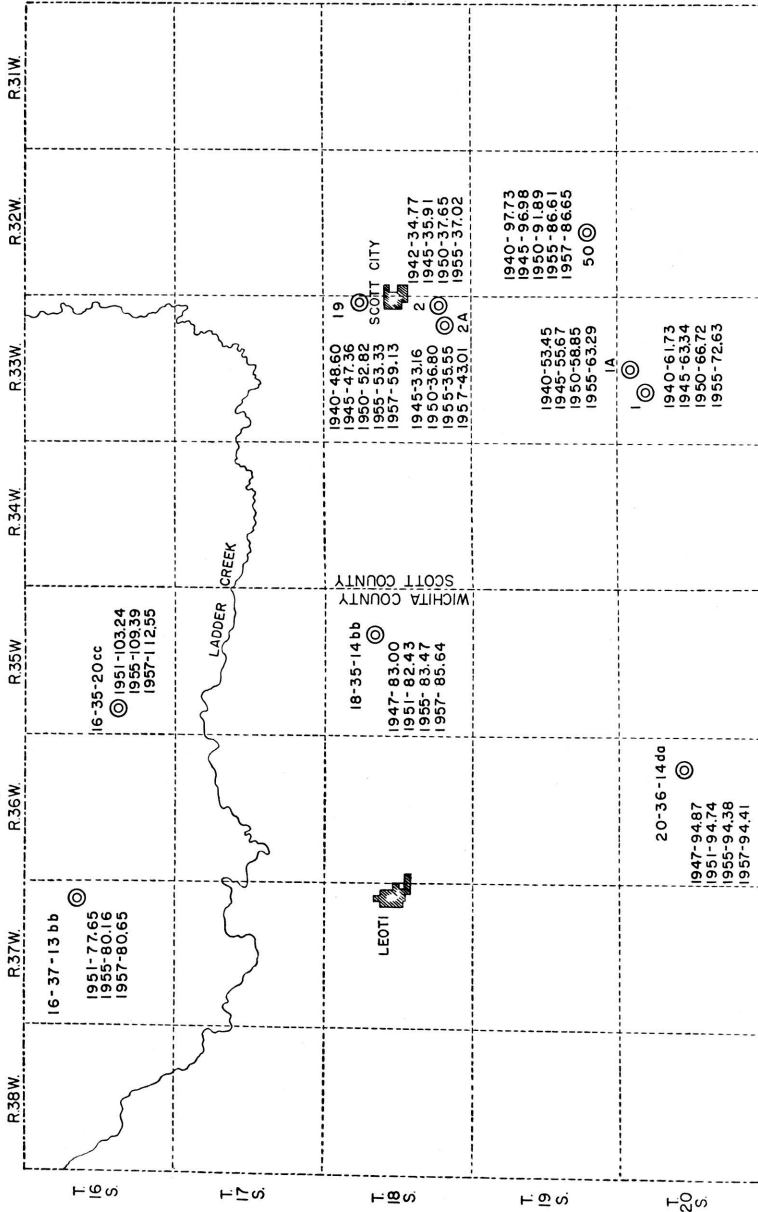


Fig. 16.—Depth to water in selected observation wells in Scott and Wichita Counties.

Kansas are shown by the hydrographs of 14 wells in Figures 13, 14, and 15. The changes in water levels in selected observation

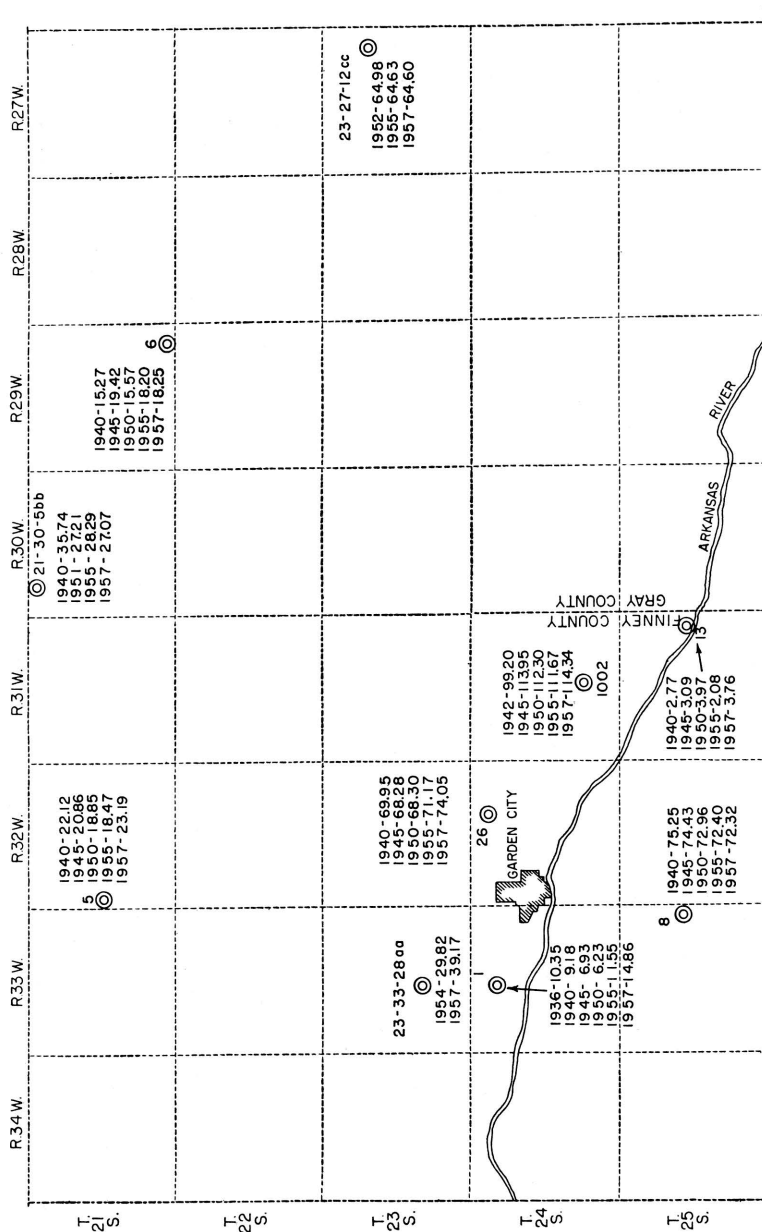


FIG. 17.—Depth to water in selected observation wells in Finney and Gray Counties.

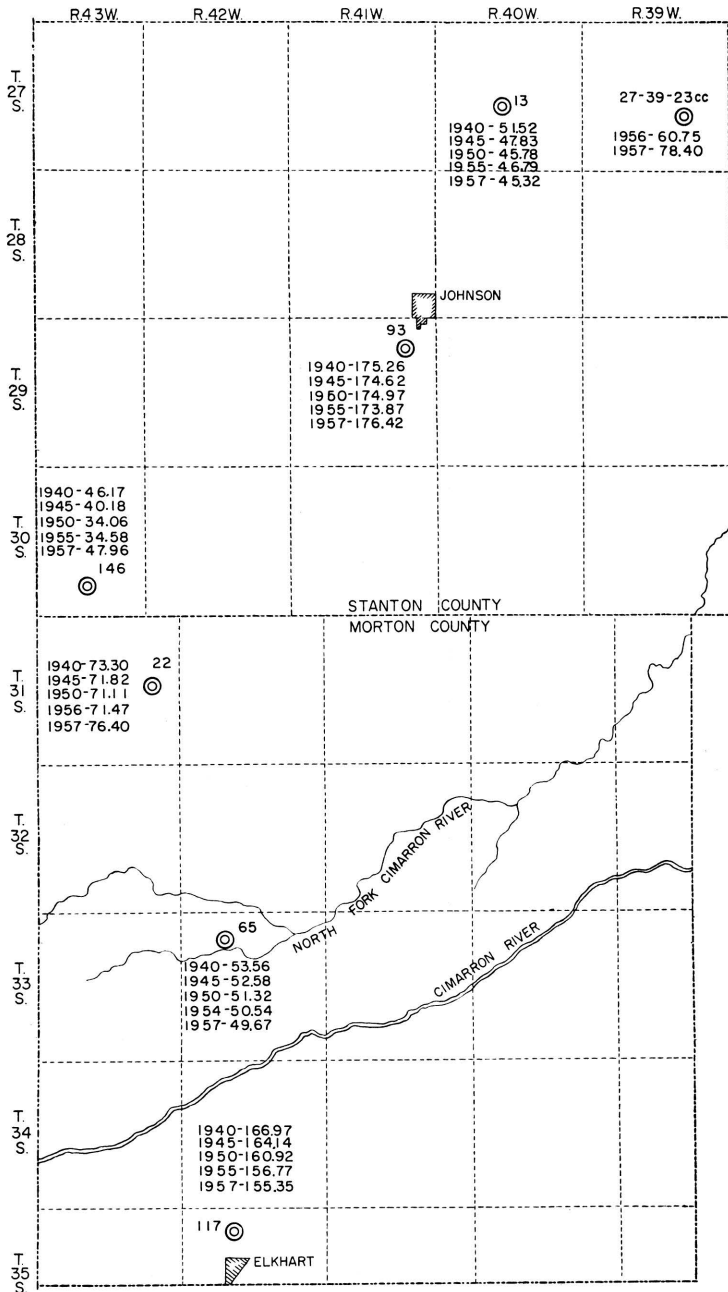


FIG. 18.—Depth to water in selected observation wells in Morton and Stanton Counties.

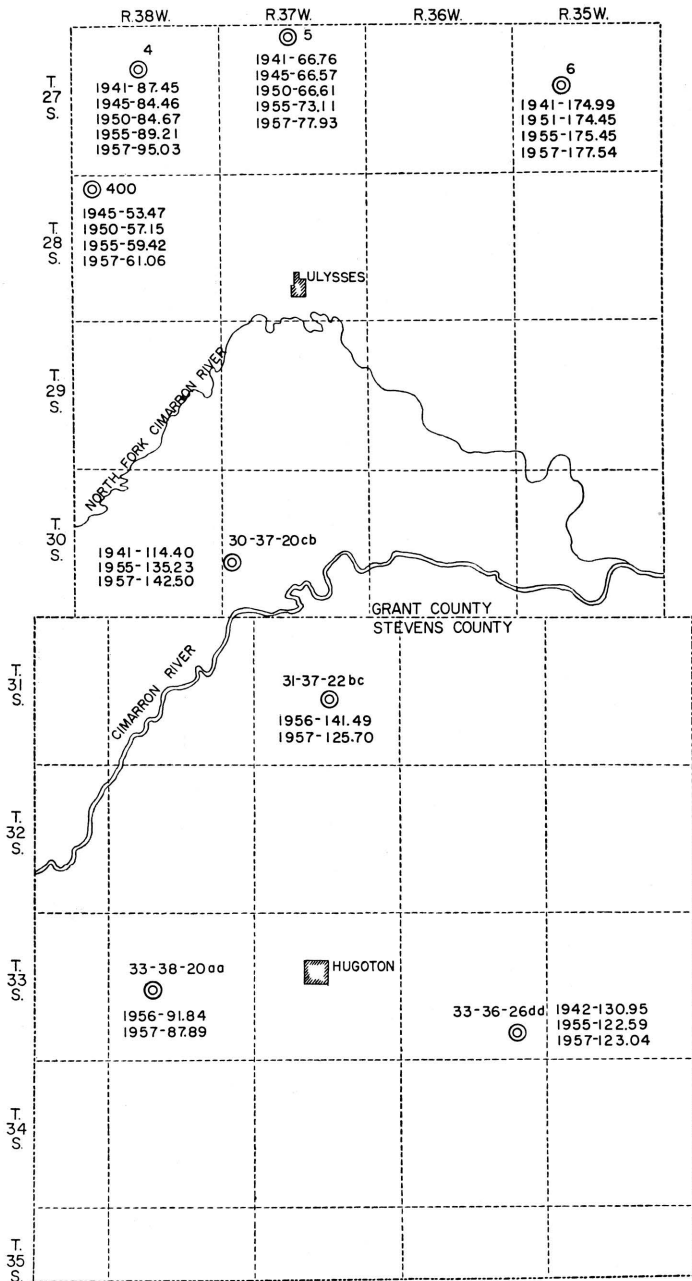


FIG. 19.—Depth to water in selected observation wells in Grant and Stevens Counties.



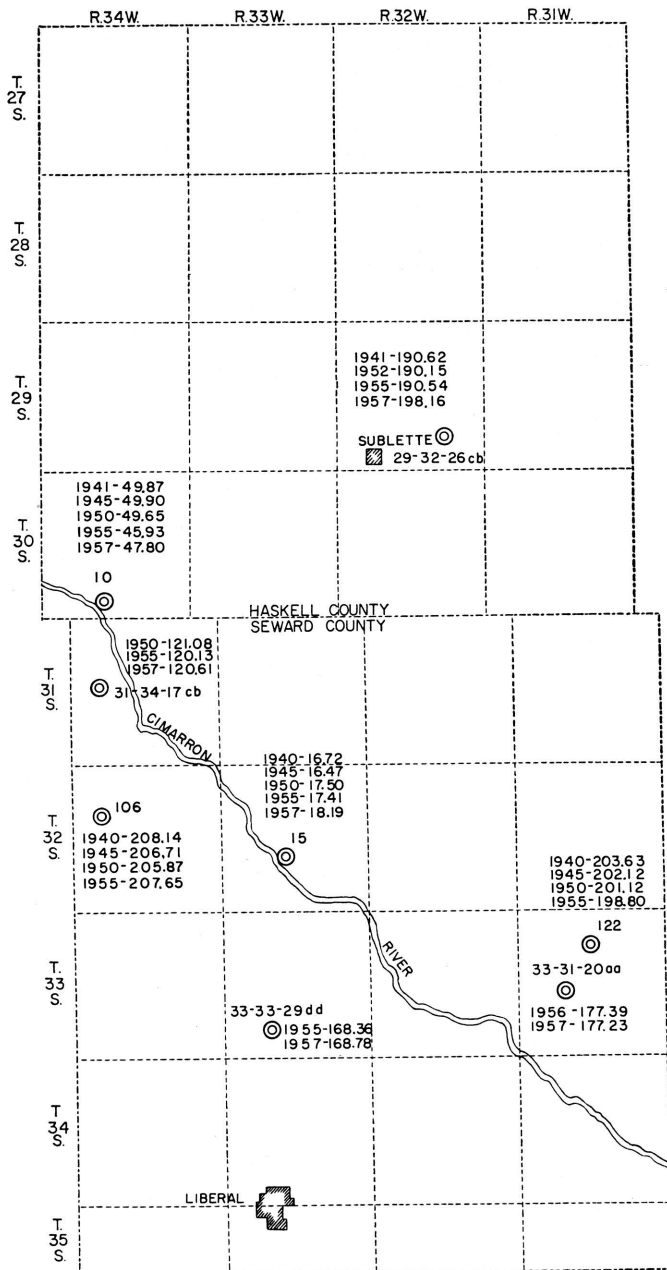


FIG. 20.—Depth to water in selected observation wells in Haskell and Seward Counties.

wells at 5-year intervals are shown for 10 counties in southwestern Kansas in Figures 16 to 20, inclusive.

In general, ground-water levels in western Kansas declined during 1957. Precipitation from 1952 through 1956 was much below normal, and the precipitation during 1957 was not adequate in most of the area to take care of the soil moisture deficiency of the preceding years.

The water level in well 1 in Finney County generally rose during the first half of the year, declined through most of the summer and early fall, and then rose throughout the remainder of the year. At the end of the year, the level was almost 2 feet higher than at the beginning but was about 15 feet lower than in 1951.

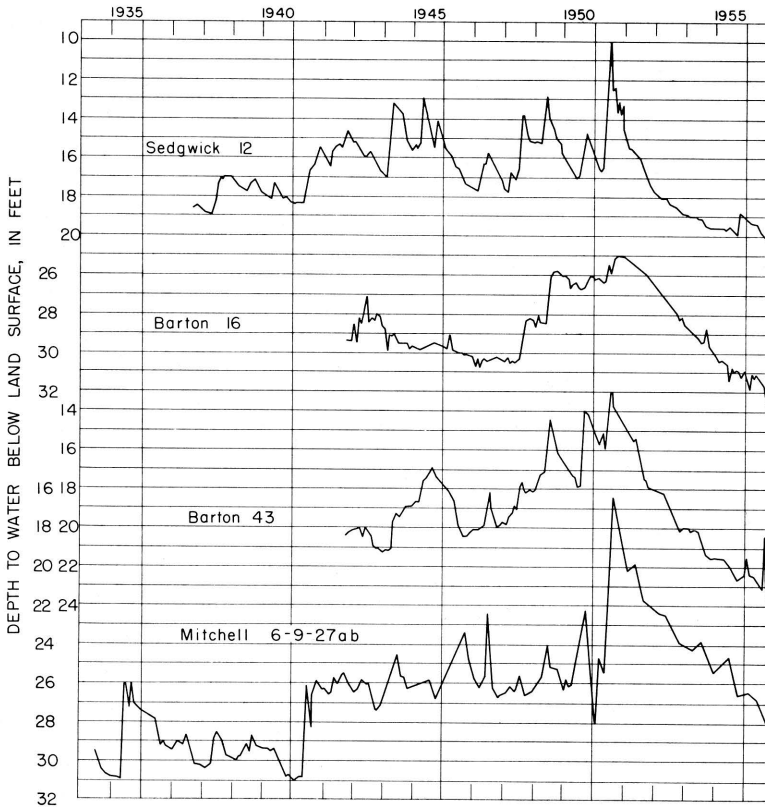


FIG. 21.—Hydrographs of four wells in Barton, Mitchell, and Sedgwick Counties.

In the heavily pumped area south of Scott City the water levels have declined sharply since 1952. Much recharge was received in this area from Whitewoman Creek in 1951 and 1952, but at the end of 1957 the water levels were more than 15 feet lower than in 1950.

### CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figure 21 by the hydrograph of a well in Mitchell County and by the hydrographs of three wells in south-central Kansas; two of the latter are in Barton County and one in Sedgwick County.

The trend of the ground-water levels in central Kansas during 1957 was generally upward. The water level in well 43 in Barton County rose more than 5 feet during the year. Water

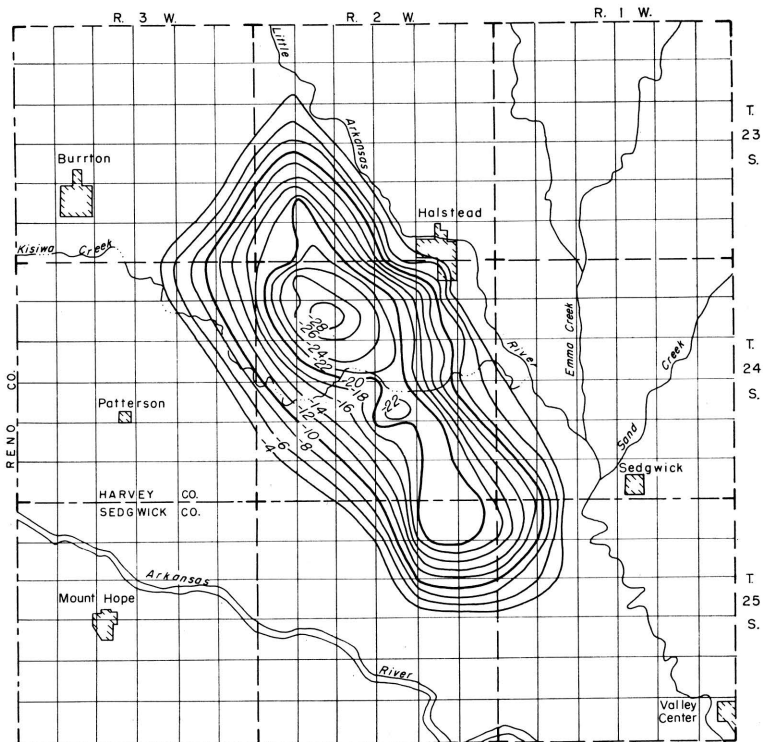


FIG. 22.—Map of Wichita well field in Equus beds area showing lines of equal change in water level from August 30, 1940, to December 31, 1957.

levels in most other wells in central Kansas that were not affected by pumping rose during 1957.

Pumping for municipal supply in the Equus beds area was begun in 1940 by the City of Wichita. The large decline of the water level in this area in recent years was caused by three factors; pumping by the City of Wichita, pumping by the many irrigation wells drilled in recent years, and the natural decline caused by the drought. The resultant decline of the water level from August 30, 1940, to December 31, 1957, is shown in Figure 22. The total area affected by the municipal pumping probably is about 75 square miles, but it is difficult to determine because of the natural lowering of several feet caused by the drought from 1952 to 1956 and by the large amount of pumping for irrigation. The water level has declined more than 10 feet in an area of 41 square miles, more than 20 feet in an area of 12 square miles, and more than 25 feet in an area of 3 square miles. The maximum decline was about 29 feet. The areal net decline of the water table from 1940 through 1957 is shown graphically in Figure 23.

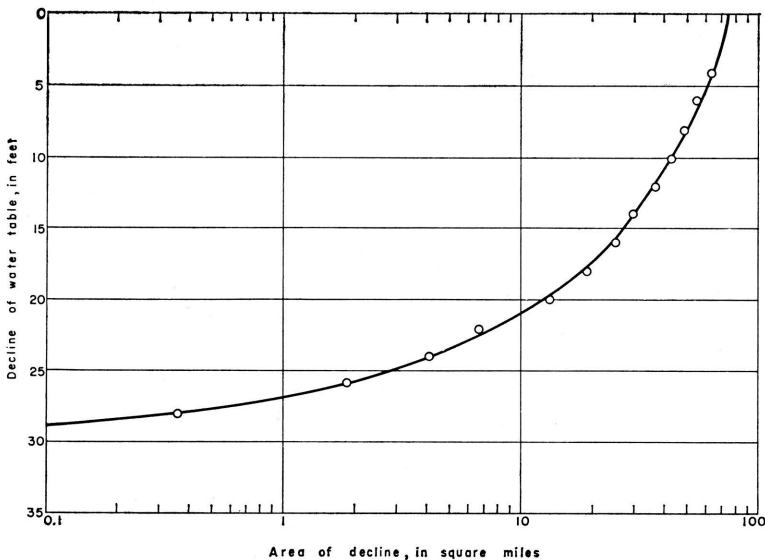


FIG. 23.—Area of decline of water table in Wichita well-field area from September 1940 to December 31, 1957.

## EASTERN KANSAS

Owing to the fairly abundant precipitation during 1957, ground-water levels in eastern Kansas generally rose. Changes in water levels in eastern Kansas are shown in Figure 24 by the hydrographs of two wells. Both wells are in terrace deposits of Kansas River Valley; well 12-20-17ccb is near the airport at Lawrence and well 11-15-16c is at the north edge of Topeka. The water levels in these wells were at record high stages in 1951, owing to the large amounts of rainfall and the floods in that year. From 1951 through 1956 the water levels declined almost steadily. The recharge received during 1957 is the first substantial recharge since 1951.

## RECORDS OF WATER LEVELS

Measurements of depth to water in observation wells are given in Table 5 with reference to land-surface datum (lsd), a precise datum plane that is approximately at the land surface at each well. The measurements are made from a fixed measuring point a short distance above or below land-surface datum and are then adjusted so that the depths to water are given in feet below the land-surface datum.

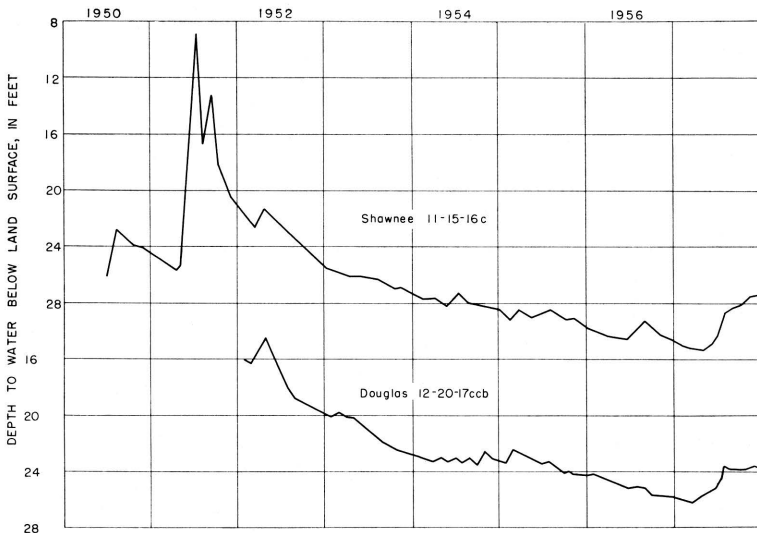


FIG. 24.—Hydrographs of two wells in Douglas and Shawnee Counties.

Information for each well in Table 5 is given in accordance with the following example of well 19-7-10da in Chase County.

Well number as described on page 19 (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 to 1957); measurements during 1957 (Feb. 16, 20.23; July 30, 12.95).

Table 5.—Records of water levels in observation wells

#### ALLEN COUNTY

24-18-33baa. (C)\* Arnold Estate. Dug unused water-table well in Chanutte Shale, diameter 5 feet, depth 19 feet, cribbed with rock. Measuring point, top boards over well at center, 0.20 foot above lsd. Highest water level 8.87 below lsd, Mar. 1, 1949; lowest dry, Nov. 3, 1956; Apr. 11, 1957. Records available: 1948-52, 1956-57. Apr. 11, dry. Measurement discontinued.

#### ATCHISON COUNTY

5-18-3dd. (C) Lee Savage. Dug unused water-table well in glacial deposits, diameter 36 inches, depth 10 feet, cribbed with rock. Well down gradient from a pond. Measuring point, top boards over well, 0.30 foot above lsd. Highest water level 0.39 below lsd, Sept. 27, 1951; lowest 5.22 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. Apr. 13, 3.85.

6-21-32d. (C) L. A. Walker. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 13 feet, cribbed with rock. Measuring point, top boards over well at center, 0.90 foot above lsd. Highest water level 3.19 below lsd, Apr. 15, 1949; lowest dry, Oct. 27, 1956. Records available: 1948-52, 1956-57. Apr. 13, 5.14.

#### BARBER COUNTY

1. (C) D. S. Shaw. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 19, T. 31 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 8 to 6 inches, depth 97 feet. Measuring point, top of well cover, 1.05 feet above lsd. Highest water level 56.40 below lsd, June 20, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-57. June 24, 74.10; Sept. 17, 73.78; Dec. 11, 74.39.

4. (C) Madge Evans. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 4, T. 32 S., R. 12 W. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 42 feet. Measuring point, top south side of pump base, 0.80 foot above lsd. Highest water level 12.50 below lsd, June 22, 1949; lowest 19.10 below lsd, Sept. 19, 1956. Records available: 1940-57. Apr. 3, 17.25; June 24, 14.80; Dec. 11, 15.63.

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

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

Records available: 1940-57. Apr. 3, 20.81; June 24, 16.97; Sept. 17, 19.72; Dec. 11, 1951.

8. (C) P. Brack. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 17, T. 34 S., R. 15 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 22 feet, cribbed with brick. Measuring point, top north side of brick curb, 0.60 foot above lsd since Jan. 1, 1957. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 21.01 below lsd, Apr. 3, 1957. Records available: 1940-57. Apr. 3, 21.01; June 24, 15.47; Sept. 17, 16.11; Dec. 11, 15.97.

9. (C) V. D. Wells. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 34 S., R. 15 W. Driven unused water-table well in alluvium, diameter 1 inch, depth 11 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-57. Dec. 11, 1.77.

10. (C) G. H. Davis. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 11, T. 35 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 5 inches, depth 152 feet. Measuring point, top of casing, 0.10 foot below lsd. Highest water level 102.20 below lsd, Mar. 15, 1945; lowest 107.72 below lsd, Sept. 25, 1948. Records available: 1940-57. June 24, 106.61; Sept. 17, 106.62; Dec. 11, 106.43

#### BARTON COUNTY

1. (C) F. Panning. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 3, T. 20 S., R. 11 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 12 feet. Measuring point, top edge of pipe, 0.40 foot above lsd. Highest water level 0.30 above lsd, June 26, 1951; lowest 6.74 below lsd, Dec. 12, 1956. Records available: 1942-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	6.61	Apr. 22	5.35	July 15	1.75	Oct. 8	3.27
Feb. 18	6.61	May 15	4.61	Aug. 12	3.27	Nov. 19	3.46
Mar. 20	6.42	June 19	3.25	Sept. 23	3.24	Dec. 16	4.10

16. (C) Teichmann. NE $\frac{1}{4}$  SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 12, T. 20 S., R. 13 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth 49 feet. Measuring point, top northwest side of casing, 1.10 feet above lsd. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 33.14 below lsd, Sept. 14, 1956. Records available: 1942-57.

Jan. 21	31.89	Apr. 22	32.29	July 15	29.97	Oct. 8	29.11
Feb. 18	32.04	May 15	32.37	Aug. 12	29.36	Nov. 19	29.01
Mar. 20	32.04	June 19	31.22	Sept. 23	29.16	Dec. 16	28.98

43. (C) M. Hagen. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 20 S., R. 11 W. Drilled unused water-table well in Grand Island Formation, diameter 6 inches, depth 46 feet. Measuring point, top west edge of casing, 0.50 foot above lsd. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 33.98 below lsd, Nov. 19, 1952. Records available: 1942-57.

Jan. 21	23.66	Apr. 22	23.49	July 15	19.47	Oct. 8	18.84
Feb. 18	23.70	May 15	23.03	Aug. 12	19.18	Nov. 19	18.43
Mar. 20	23.71	June 19	21.73	Sept. 23	18.68	Dec. 16	18.49

100. (C) Unruh. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 20 S., R. 15 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 76 feet. Measuring point, top east edge of casing, 0.70 foot above lsd. Highest water level 27.05 below lsd, June 23, 1949; lowest 35.47 below lsd, Sept. 18, 1956. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	35.29	Apr. 22	34.78	July 16	32.66	Sept. 23	32.38
Feb. 19	35.25	May 15	34.68	Aug. 18	32.66	Dec. 16	33.15
Mar. 20	34.73	June 19	33.01				

103. (C) F. Konareck. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 33, T. 17 S., R. 12 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth 25 feet. Measuring point, top east edge of casing, 0.40 foot above lsd. Highest water level 0.25 below lsd, Aug. 29, 1950; lowest 8.28 below lsd, Feb. 18, 1957. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	8.25	Apr. 22	5.87	July 15	2.95	Sept. 23	3.77
Feb. 18	8.28	May 15	4.07	Aug. 12	3.75	Dec. 16	2.92
Mar. 20	8.24	June 19	3.56				

107. (C) Carter Oil Co. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 10, T. 17 S., R. 11 W. Drilled unused water-table well in Dakota Formation, diameter 6 inches, depth 168 feet. Measuring point, top west edge of casing, 0.20 foot above lsd. Highest water level 95.67 below lsd, May 21, 1952; lowest 102.80 below lsd, Nov. 20, 1956. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	99.89	Apr. 22	99.96	July 15	98.70	Oct. 8	99.49
Feb. 18	100.26	May 15	99.53	Aug. 12	101.17	Dec. 16	99.23
Mar. 20	100.22	June 19	99.05	Sept. 23	99.40		

109. (C) J. C. Cook. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 28, T. 18 S., R. 15 W. Drilled unused water-table well in alluvium, depth 46 feet. Measuring point, top of well cover (center) between two 2×6 boards, 1.70 feet above lsd. Highest water level 1.49 below lsd, July 11, 1951; lowest dry, Sept. 18, Oct. 22, 1956. Records available: 1944-57. Aug. 13, 12.40; Sept. 24, 9.63; Oct. 8, 11.19; Nov. 20, 9.89; Dec. 17, 10.13.

110. (C) Prudential Life Insurance Co. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 33, T. 17 S., R. 14 W. Drilled unused water-table well in alluvium, diameter 6 inches depth 48 feet. Measuring point, top southwest side of casing below pump base, 0.30 foot above lsd. Highest water level 11.67 below lsd, July 16, 1957; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	16.01	Apr. 23	14.45	July 16	11.67	Oct. 9	11.73
Feb. 19	16.16	May 16	13.94	Aug. 13	12.31	Nov. 20	12.73
Mar. 21	16.32	June 20	12.22	Sept. 23	12.35	Dec. 17	12.97

131. (C) F. W. Gagleman. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 22, T. 19 S., R. 15 W. Drilled unused water-table well in alluvium, diameter 5 inches, depth 25 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water



level 7.84 below lsd, Oct. 23, 1951; lowest 17.48 below lsd, Feb. 19, 1957. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	17.02	Apr. 23	16.59	July 16	14.05	Oct. 9	13.19
Feb. 19	17.48	May 16	16.28	Aug. 13	14.48	Nov. 20	13.15
Mar. 21	17.25	June 20	15.44	Sept. 24	13.05	Dec. 17	13.16

#### BOURBON COUNTY

25-23-27bbb. (C) Harold Comstock. Dug unused water-table well in Bandera Shale, diameter 5 feet, depth 11 feet. Measuring point, top north side of round hole in slab rock, 1.90 feet above lsd. Highest water level 1.53 below lsd, Sept. 28, 1951; lowest 7.04 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. Apr. 11, 7.04.

#### BROWN COUNTY

2-15-25dd. (C) Henry Rieger. Dug unused water-table well in alluvium, diameter 36 inches, depth 14 feet, cribbed with rock. Measuring point, top of timbers over center of well, 0.40 foot above lsd. Highest water level 7.94 below lsd, Aug. 1, 1951; lowest dry, Oct. 27, 1956. Records available: 1948-51, 1956. Measurement discontinued.

#### CHASE COUNTY

18-9-29cc. (C) Peak & Hatcher Co. Drilled domestic well in Bader Limestone and Easley Creek Shale, diameter 8 inches, depth 34 feet. Measuring point, top of casing, 0.30 foot above lsd. Highest water level 17.57 below lsd, July 24, 1951; lowest 25.74 below lsd, Mar. 8, 1955. Records available: 1947-57. Feb. 16, 25.65; July 30, 21.33.

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: 1948-57. Feb. 16, 20.23; July 30, 12.95.

19-9-30cc. (C) E. E. Andrews. Drilled unused well in Red Eagle Limestone, diameter 8 inches, depth 65 feet. Measuring point, top of casing, 0.04 foot above lsd. Highest water level 30.83 below lsd, July 24, 1951; lowest 44.96 below lsd, Feb. 10, 1954. Records available: 1947-55. Measurement discontinued.

20-6-31bd. (C) B. S. Thompson. Drilled unused water-table well in Wrexford 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: 1947-57. Feb. 16, 32.95; July 30, 26.23.

20-7-13cb. (C) Geo. W. Starkey. Dug domestic water-table well in Fort Riley and Florence Limestone members of Barneston Limestone, diameter 4 feet, depth 56 feet, cribbed with rock. Measuring point, top of concrete cover under pump, 0.60 foot above lsd. Highest water level 8.87 below lsd, Sept. 5, 1950; lowest 52.39 below lsd, July 6, 1953. Records available: 1947-57. Feb. 16, 38.91; July 30, 26.35.

20-8-2bd. (C) W. S. Martin. Drilled unused water-table well in alluvium, diameter 5 inches, depth 21 feet. Measuring point, top of board under pump, 0.40 foot above lsd. Highest water level 2.32 below lsd, July 24, 1951; lowest 18.21 below lsd, Feb. 16, 1957. Records available: 1947-57. Feb. 16, 18.21.

20-8-16aa. (C) Gerald Brough. Drilled domestic well in Cottonwood Limestone, diameter 7 inches, depth 33 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 3.28 below lsd, July 24, 1951; lowest 25.04 below lsd, Feb. 10, 1954. Records available: 1947-57. Feb. 16, 24.06; July 30, 7.15.

22-6-11cc. (C) Margaret Smith. Drilled well in Fort Riley and Florence Limestone members of Barneston Limestone, diameter 5 inches, depth 86 feet. Measuring point, top of casing, 0.30 foot above lsd. Highest water level 2.58 below lsd, July 24, 1951; lowest 12.30 below lsd, Mar. 8, 1955. Records available: 1947-56. Measurement discontinued.

#### CHEROKEE COUNTY

1. (C) W. L. Stiles. NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket Sandstone (Cherokee Group), diameter 6 feet, depth 27 feet, cribbed with rock. Measuring point, top of opening in well curb, 0.80 foot above lsd. Highest water level 4.90 below lsd, June 5, 1957; lowest 19.07 below lsd, Nov. 30, 1956. Records available: 1942-45, 1948, 1950-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	17.22	Apr. 3	14.15	July 1	5.20	Oct. 2	11.07
Feb. 5	16.40	May 1	8.90	Aug. 2	7.00	Nov. 1	11.75
27	15.32	June 5	4.90	Sept. 3	8.10	Dec. 2	12.90

32-25-6dad. (C) John P. Matter. Dug well in the Dry Wood and Rowe Formations (Cherokee Group), diameter 5 feet, depth 25 feet, cribbed with rock. Measuring point, top of concrete slab in wood box, 0.50 foot above lsd. Highest water level 7.61 below lsd, Feb. 28, 1952; lowest 19.45 below lsd, Aug. 3, 1954. Records available: 1951-57.

Jan. 30	14.90	May 31	15.75	July 31	16.03	Nov. 5	15.85
Feb. 29	15.40	June 29	16.00	Aug. 29	15.98	30	16.05
Mar. 30	15.15	July 11	16.08	Sept. 29	15.85	Dec. 3	16.18
Apr. 30	15.40						

3. (C) Fleming Mine No. 3. SW $\frac{1}{4}$  sec. 19, T. 32 S., R. 24 E. Drilled unused artesian well in Roubidoux Dolomite, diameter 8 inches, depth 850 feet. Measuring point, crack in 4-inch coupling, 2.35 feet above lsd. Highest water level 196.53 below lsd, July 23, 1943; lowest 210.94 below lsd, Dec. 3, 1956. Records available: 1943, 1950-57.

Jan. 3	208.59	Apr. 3	209.04	July 1	209.00	Oct. 2	209.05
Feb. 5	209.02	May 1	209.05	Aug. 2	209.04	Nov. 1	209.15
28	209.00	June 5	209.05	Sept. 3	209.00	Dec. 2	209.10

31-25-19dd. (C) Sam Ross. Drilled domestic artesian well in Mississippian limestone, diameter 8 inches, depth 315 feet. Measuring point, top of casing,

1.10 feet above lsd. Highest water level 190.12 below lsd, June 13, 1952; lowest 199.88 below lsd, Nov. 30, 1956; Feb. 5, 1957. Records available: 1951-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	198.65	Apr. 2	198.71	July 1	198.45	Oct. 2	198.71
Feb. 5	199.88	May 1	198.46	Aug. 2	198.15	Nov. 1	198.66
	28 198.66	June 5	198.35	Sept. 3	198.45	Dec. 2	198.75

34-24-36bd. (C) City of Baxter Springs. Drilled municipal artesian well in Roubidoux Dolomite, diameter 16 inches, depth 1,094 feet. Measuring point, top of casing, 1.80 feet above lsd. Highest water level 386.25 below lsd, Nov. 5, 1956; lowest 394.25 below lsd, July 11, 1956. Records available: 1956-57.

	1956		30 382.55		28 379.98	Aug. 2	380.22
July 11	394.25	Dec. 3	381.95	Apr. 3	380.24	Sept. 3	379.84
	31 382.62		1957	May 1	378.24	Oct. 2	380.25
Aug. 29	384.27	Jan. 3	380.15	June 5	379.15	Nov. 1	380.75
Nov. 5	368.25	Feb. 5	381.15	July 1	378.23	Dec. 2	379.05

#### CHEYENNE COUNTY

1-38-2cd. (MB C) Paul O'Brien. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 42 feet. Measuring point, top of hole in turbine base, 1.00 foot above lsd. Highest water level 21.37 below lsd, May 6, 1952; lowest 24.52 below lsd, Aug. 21, 1956. Records available: 1948-57. Feb. 5, 23.76; May 8, 23.16; Nov. 13, 23.43.

1-38-8ddb. (MB C) H. O. Haines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 34 feet. Measuring point, hole in inside of turbine base, 1.00 foot above lsd. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 14.91 below lsd, Sept. 2, 1953. Records available: 1946-57. Feb. 5, 12.80; May 8, 11.88; Nov. 13, 12.40.

2-39-10bba. (MB C) A. L. Pugh. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 39 feet. Measuring point, edge of casing, 0.50 foot above lsd. Highest water level 24.95 below lsd, May 6, 1952; lowest dry, Feb. 5, 1957. Records available: 1947-54, 1956-57. Feb. 5, dry; May 28, 27.68; Aug. 13, 26.91; Nov. 13, 27.49.

2-39-17baa. (MB C) Myrtle E. Armstrong. Dug stock well in alluvium, diameter 24 inches, depth 15 feet. Measuring point, top of board platform, 0.50 foot above lsd. Highest water level 9.98 below lsd, May 6, 1952; lowest 14.47 below lsd, Sept. 2, 1953. Records available: 1946-47, 1949-50, 1952-57. Well pumping Feb. 5, May 8, Aug. 13, Nov. 13, 1957.

2-39-19ccc. (MB C) A. C. Keller. Drilled unused water-table well in alluvium, diameter 4 inches, depth 23 feet. Measuring point, edge of casing, at land surface. Highest water level 13.68 below lsd, May 26, 1955; lowest 17.48 below lsd, Sept. 2, 1953. Records available: 1948-50, 1952-57. Feb. 5, 16.52; May 8, 15.75; Aug. 13, 15.95; Nov. 13, 16.23.

2-39-27bbb. (MB C) G. W. Best. Drilled unused water-table well in alluvium, diameter 8 inches, depth 29 feet. Measuring point, top of board

platform, 1.33 feet above lsd. Highest water level 14.99 below lsd, June 25, 1953; lowest 19.52 below lsd, Feb. 20, 1956. Records available: 1946-57. Feb. 5, 18.76; May 8, 16.30; Aug. 13, 16.57; Nov. 13, 18.28.

3-40-9baa. (MB C) P. G. Walter. Bored stock water-table well in Ogallala Formation, diameter 5 inches. Measuring point, top of wooden platform, at land surface. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1946-57. Feb. 5, 20.68; May 28, 20.47; Aug. 13, 20.82; Nov. 13, 20.67.

3-40-22aba. (MB C) T. Holleman and others. Drilled unused water-table well in alluvium, diameter 5 inches, depth 19 feet. Measuring point, top of cement slab, 0.25 foot above lsd. Highest water level 10.02 below lsd, July 29, 1947; lowest 18.25 below lsd, Nov. 28, 1955. Records available: 1946-57. Feb. 5, 17.61; May 8, 14.93; Aug. 13, 13.51; Nov. 13, 15.85.

3-40-28cbb. (MB C) D. Danielson. Drilled unused water-table well in alluvium, diameter 5 inches, depth 26 feet. Measuring point, top of casing, 1.64 feet above lsd, since Feb. 5, 1957. Highest water level 9.44 below lsd, May 8, 1957; lowest 12.75 below lsd, Aug. 16, 1946. Records available: 1946-57. Feb. 5, 10.86; May 8, 9.44; Aug. 13, 10.53; Nov. 13, 10.71.

3-40-33dda. (MB C) H. L. Harkins. Drilled unused water-table well in Ogallala Formation and colluvium, diameter 6 inches, depth 27 feet. Measuring point, top of cement slab, at land surface. Highest water level 4.97 below lsd, May 8, 1957; lowest dry, Feb. 5, 1957. Records available: 1946-57. Feb. 5, dry; May 8, 4.97; Nov. 13, 10.75.

3-41-13ccd. (MB C) F. Walz. Bored unused water-table well in alluvium and Ogallala Formation, diameter 5 inches, depth 16 feet. Measuring point, top of casing, at land surface. Highest water level 7.83 below lsd, Mar. 16, 1949; lowest dry, Feb. 5, Nov. 13, 1957. Records available: 1946-50, 1952-57. Feb. 5, dry; May 28, 11.90; Aug. 13, 9.24; Nov. 13, dry.

3-42-21bcc. (MB C) Andrew Rueb. Drilled stock water-table well in Ogallala Formation, diameter 5 inches, depth 220 feet. Measuring point, hole in base of pump, 0.80 foot above lsd. Highest water level 201.45 below lsd, Dec. 23, 1953; lowest 202.90 below lsd, Aug. 21, 1956. Records available: 1953-57. Feb. 5, 202.09; May 8, 202.23; Aug. 13, 202.28; Nov. 13, 202.40.

3-42-22dad. (MB C) F. F. Blair. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 162 feet. Measuring point, edge of 5-inch casing, 1.30 feet above lsd. Highest water level 137.85 below lsd, May 25, 1955; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-57. Feb. 5, 138.35; May 8, 138.43; Aug. 13, 139.45; Nov. 13, 138.44.

3-42-26cad. (MB C) Henry Richers. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 196 feet. Measuring point, edge of 6-inch casing, 0.80 foot above lsd. Highest water level 175.70 below lsd, Aug. 30, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-57. Feb. 5, 176.70; Nov. 13, 176.37.

3-42-28dda. (MB C) Clarence Raile. Drilled domestic and stock water-table well in Ogallala Formation, diameter 5 inches, depth 159 feet. Measuring point, hole in base of pump, 0.30 foot above lsd. Highest water level 146.10 below lsd, Aug. 21, 1956; lowest 151.80 below lsd, Nov. 13, 1957. Records available: 1953-57. Feb. 5, 151.59; May 8, 151.67; Aug. 13, 151.77; Nov. 13, 151.80.

4-41-32ddb. (MB C) Simon E. Matson. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 121 feet. Measuring point, top of casing, at land surface. Highest water level 105.70 below lsd, Aug. 13, 1957; lowest 115.35 below lsd, Nov. 28, 1955. Records available: 1946-47, 1949-57. Feb. 5, 111.50; May 8, 109.10; Aug. 13, 105.70; Nov. 13, 108.25.

4-42-2ccc. (MB C) Henry Lampe. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 190 feet. Measuring point, edge of 5-inch casing, 0.70 foot above lsd. Highest water level 176.66 below lsd, Sept. 2, 1953; lowest 179.26 below lsd, May 22, 1956. Records available: 1953-57. Feb. 5, 177.41; May 8, 177.46; Aug. 13, 177.50; Nov. 13, 177.47.

4-42-5aaa. (MB C) W. E. Klie. Drilled domestic and stock water-table well in Ogallala Formation, diameter 5 inches, depth 223 feet. Measuring point, top of concrete curb, 1.20 feet above lsd. Highest water level 190.90 below lsd, Sept. 2, 1953; lowest 192.00 below lsd, Nov. 13, 1957. Records available: 1953-57. Feb. 5, 191.60; May 8, 191.70; Nov. 13, 192.00.

4-42-26bcb. (MB C) Pete O'Brien. Drilled irrigation water-table well in Ogallala Formation, diameter 25 inches, depth 56 feet. Measuring point, edge of steel casing, 0.50 foot above lsd. Highest water level 20.90 below lsd, May 28, 1957; lowest 22.70 below lsd, May 25, 1955. Records available: 1954-57. Feb. 5, 21.87; May 28, 20.90; Nov. 13, 21.41.

5-38-12cbd. (MB C) E. E. Retzer. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 91 feet. Measuring point, top west side of casing, 0.40 foot above lsd. Highest water level 56.00 below lsd, Nov. 14, 1957; lowest 57.08 below lsd, Nov. 27, 1956. Records available: 1954-57. May 14, 57.06; Nov. 14, 56.00.

5-42-4aac. (MB C) A. Corder. Bored stock well in Ogallala Formation, diameter 6 inches, depth 37 feet. Measuring point, top of cement slab, 1.00 foot above lsd. Highest water level 21.83 below lsd, Dec. 5, 1947, June 8, 1948; lowest dry, Aug. 13, 1957. Records available: 1946-50, 1952-57. Feb. 5, 22.10; Aug. 13, dry.

#### CLARK COUNTY

6. (C) District school. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 35 S., R. 21 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 36 feet. Measuring point, top south side of casing, at land surface. Highest water level 26.28 below lsd, June 19, 1951; lowest 27.98 below lsd, Dec. 19, 1956. Records available: 1940-43, 1950-57. Apr. 3, 27.00; June 24, 26.44; Sept. 17, 26.41; Dec. 11, 26.32.

10. (C) J. F. Folks Estate. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, T. 32 S., R. 23 W. Drilled stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 21 feet. Measuring point, top south side of casing, 1.50 feet above lsd. Highest water level 13.97 below lsd, June 13, 1955; lowest 17.63 below lsd, Sept. 27, 1946. Records available: 1940-47, 1954-57. June 24, 14.45; Sept. 17, 14.89; Dec. 11, 15.07.

30-23-6aa. (C) E. F. Houff. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 156 feet. Measuring point, top south side of casing, 0.70 foot above lsd. Highest water level 140.33 below lsd, June 19, 1956; lowest 143.31 below lsd, Mar. 8, 1954. Records available: 1939, 1953-57. June 24, 141.45; Sept. 17, 141.15; Dec. 11, 141.02.

## CLOUD COUNTY

5-3-19bb. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 39 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.40 below lsd, Aug. 1, 1951; lowest 21.98 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

5-3-20aa. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 26 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.80 below lsd, July 2, 1951; lowest 16.78 below lsd, Jan. 12, 1956. Records available: 1950-56. No measurement made in 1957.

5-3-20dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 15 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.36 below lsd, July 27, 1950; lowest 11.34 below lsd, Jan. 12, 1956. Records available: 1950-56. No measurement made in 1957.

5-3-23cb. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.90 below lsd, June 13, 1951; lowest 9.22 below lsd, Feb. 2, 1954. Records available: 1950-56. No measurement made in 1957.

5-3-24cb. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 1.40 below lsd, Dec. 4, 1951; lowest 7.29 below lsd, Jan. 12, 1956. Records available: 1950-56. No measurement made in 1957.

5-3-29dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 4.60 below lsd, July 2, 1951; lowest dry, Sept. 22, 1955. Records available: 1950-57. Feb. 19, 15.50.

5-4-8dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 42 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 10.30 below lsd, Aug. 1, 1951; lowest 17.62 below lsd, July 18, 1956. Records available: 1950-57. Feb. 19, 16.38.

5-4-11dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.10 below lsd, Aug. 1, 1951; lowest 21.49 below lsd, Sept. 22, 1955, Jan. 12, 1956. Records available: 1950-53. No measurement made in 1957.

5-4-14bc. (MB). U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.90 below lsd, Aug. 1, 1951; lowest 8.91 below lsd, Sept. 22, 1955. Records available: 1950-57. Feb. 19, 8.73.

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

## COFFEY COUNTY

20-15-34dcb. (C) G. Skillman. Dug unused water-table well in Kanwaka Shale, diameter 30 inches, depth 40 feet, cribbed with rock. Measuring point,

top south side of hole in concrete platform, 0.60 foot above lsd. Highest water level 1.71 below lsd, Mar. 1, 1949; lowest 19.41 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. Apr. 11, 19.41.

#### COMANCHE COUNTY

1. (C) A. A. Carpenter. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 33 S., R. 20 W. Drilled unused water-table well in deposits of Permian age, diameter 6 inches, depth 43 feet. Measuring point, top of concrete pump base, 1.00 foot above lsd. Highest water level 35.30 below lsd, Sept. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-57. Apr. 3, 37.53; Sept. 17, 37.60; Dec. 11, 36.59.

3. (C) E. Deewall. SW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 19, T. 31 S., R. 18 W. Drilled stock well in Ogallala Formation, diameter 6 inches, depth 97 feet. Measuring point, top north side of casing below pump base, 1.40 feet above lsd. Highest water level 74.48 below lsd, Aug. 31, 1953; lowest 94.07 below lsd, June 8, 1945. Records available: 1940-47, 1953, 1955-57. Dec. 11, 79.70.

#### CRAWFORD COUNTY

28-22-20cc. (C) City of Walnut. Drilled artesian municipal well in Cotter Dolomite, diameter 7 inches, depth 1,015 feet. Measuring point, top of casing, 8.00 feet above lsd. Highest water level 188.00 below lsd, Feb. 5, 1957; lowest 206.00 below lsd, Nov. 5, 30, 1956. Records available: 1956-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
	1956		1957	May 1	194.00	Sept. 3	193.00
Nov. 5	206.00	Jan. 3	196.50	June 5	193.00	Oct. 2	193.00
30	206.00	Feb. 5	188.00	July 1	194.00	Nov. 1	192.00
Dec. 3	204.50	27	194.00	Aug. 2	192.00	Dec. 2	193.00
		Apr. 1	190.00				

29-25-5cd. (C) City of Arma. Drilled artesian municipal well in Roubidoux Dolomite, diameter 13 $\frac{5}{8}$  inches, depth 1,175 feet. Measuring point, top of casing, at land surface. Highest water level 310.13 below lsd, Aug. 31, 1956; lowest 312.37 below lsd, Apr. 1, 1957. Records available: 1956-57.

	1956	Dec. 3	312.21	Apr. 1	312.37	Sept. 3	312.00
July 16	310.25		1957	June 5	312.10	Oct. 2	312.25
31	310.28	Jan. 3	312.21	July 1	312.27	Nov. 2	312.00
Aug. 31	310.13	Feb. 5	311.25	Aug. 2	312.21	Dec. 1	312.21
Nov. 30	310.25	27	312.24				

30-23-24dc. (C) Al Williams. Drilled artesian domestic well in Mississippian limestone, diameter 6 inches, depth 707 feet. Measuring point, top of gas vent, 1.50 feet above lsd. Highest water level 218.00 below lsd, Dec. 1951; lowest 245.97 below lsd, Feb. 5, Sept. 3, 1957. Records available: 1951, 1957.

	1951	Apr. 1	244.97	July 1	244.35	Oct. 2	244.97
Dec. 218.00		May 1	244.75	Aug. 2	244.97	Nov. 1	244.50
	1957	June 5	244.65	Sept. 3	245.97	Dec. 2	244.75
Feb. 5	243.98						
27	245.97						

## DECATUR COUNTY

2-29-24bc. (C) Owner unknown. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 126 feet. Measuring point, top east side of casing, 0.50 foot above lsd. Highest water level 98.55 below lsd, Nov. 13, 1957; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-57. Feb. 12, 99.67; May 13, 99.59; Aug. 19, 98.80; Nov. 13, 98.55.

3-26-5cc. (C) John Hicks. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 147 feet. Measuring point, top of casing, 1.10 feet above lsd. Highest water level 141.02 below lsd, Aug. 22, 1952; lowest 143.10 below lsd, Feb. 8, 1954. Records available: 1952-57. Feb. 12, 142.86; Aug. 19, 141.56; Nov. 13, 141.45.

## DOUGLAS COUNTY

12-20-17ccb. (C) Frank D. Walters. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 50 feet. Measuring point, east side of hole in top of box, 3.00 feet above lsd. Highest water level 14.47 below lsd, Apr. 29, 1952; lowest 26.33 below lsd, Mar. 30, 1957. Records available: 1952-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.89	.....	.....	26.17	25.80	25.35	24.15	23.62	23.94	.....	.....	23.64
10	25.91	.....	.....	26.07	25.78	25.30	24.00	23.62	23.97	.....	.....	.....
15	25.91	.....	26.22	26.00	25.75	25.18	.....	23.67	23.95	.....	23.60	.....
20	25.94	.....	26.27	25.95	25.62	24.98	.....	23.72	23.92	.....	.....	.....
25	25.94	26.05	26.29	25.88	25.46	24.90	23.59	23.76	.....	23.79	.....	.....
30	.....	.....	26.33	25.83	25.41	24.87	23.60	23.82	.....	.....	.....	23.68

12-20-29bba. (C) V. C. Fishel. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 29 feet. Measuring point, inside edge at top of pipe, 0.60 foot above lsd. Highest water level 18.29 below lsd, Dec. 1957; lowest 20.84 below lsd, May 27, 1957. Records available: 1957. May 27, 20.84; July 2, 20.18; July 25, 19.38; Aug. 28, 19.10; Sept. 18.64; Oct. 18.44; Dec. 18.29.

13-19-21bb. (C) C. E. Banning. Drilled domestic and stock artesian well in Tonganoxie Sandstone member of Stranger Formation, diameter 6 inches, depth 96 feet. Measuring point, top of casing cover plate, 3.10 feet below lsd. Highest water level 23.48 below lsd, May 20, 1952; lowest 41.99 below lsd, Jan. 5, 1957. Records available: 1952-57. Jan. 5, 41.99; Apr. 14, 40.37; Aug. 2, 41.35; Sept. 30, 40.23.

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

15-20-11cda. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone member of Lawrence Shale, diameter 1¼ inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 45.95 below lsd, May 15, 1956; lowest 50.41 below lsd, Sept. 30,



1957. Records available: 1956-57. Jan. 5, 46.66; Apr. 14, 49.93; June 1, 49.70; July 31, 49.61; Sept. 30, 50.41.

15-21-4bcc. (C) U.S.G.S. and K.G.S. Drilled observation water-table well in Ireland Sandstone member of Lawrence Shale, diameter 5½ inches, depth 144 feet. Measuring point, top of well seal, 2.00 feet above lsd. Highest water level 22.40 below lsd, May 14, 1956; lowest 29.04 below lsd, Feb. 26, 1957. Records available: 1956-57. Jan. 5, 28.32; Feb. 26, 29.04; Apr. 14, 27.93; June 1, 26.43; July 30, 25.93; Nov. 27, 24.92.

#### EDWARDS COUNTY

1. (C) M. Shouse. NW¼ SW¼ sec. 35, T. 24 S., R. 19 W. Dug and drilled unused water-table well in alluvium, diameter 16 inches, depth 28 feet. Measuring point, top north side of concrete curbing, 0.10 foot above lsd. Highest water level 3.17 below lsd, June 25, 1951; lowest 8.50 below lsd, Feb. 18, 1957. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	7.99	Apr. 22	7.30	July 15	6.19	Oct. 8	6.66
Feb. 18	8.50	May 15	7.16	Aug. 12	7.13	Nov. 19	6.79
Mar. 20	7.71	June 19	6.62	Sept. 23	6.58	Dec. 16	6.64

10. (C) E. F. Lippoldt. SW¼ SW¼ sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in Dakota Formation, diameter 4½ feet, depth 70 feet, cribbed with rock. Measuring point, top of hole in concrete cover, 0.60 foot above lsd. Highest water level 62.53 below lsd, June 19, 1957; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-57.

Jan. 21	63.00	Apr. 22	62.96	July 15	62.56	Oct. 8	63.04
Feb. 18	63.01	May 15	63.09	Aug. 12	62.94		
Mar. 20	63.05	June 19	62.53	Sept. 23	63.02		

25-16-31dal. (C) E. B. Mayhew. NE¼ SE¼ sec. 31, T. 25 S., R. 16 W. Drilled unused well in Ogallala Formation, diameter 1½ inches, depth 44 feet. Measuring point, top south side of pipe, 0.80 foot above lsd. Highest water level 17.49 below lsd, Dec. 16, 1957; lowest 21.61 below lsd, Mar. 20, Apr. 9, 1957. Records available: 1957.

Feb. 7	21.54	Apr. 9	21.61	July 15	18.99	Oct. 8	17.83
18	21.52	May 15	21.40	Aug. 12	18.44	Nov. 19	17.55
Mar. 20	21.61	June 19	20.74	Sept. 23	17.95	Dec. 16	17.49

#### ELLIS COUNTY

215. (C) A. H. Romine. NE¼ NW¼ sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 20 feet, cribbed with rock. Measuring point, top south edge of rock casing, 2.10 feet above lsd. Highest water level 9.76 below lsd, July 23, 1951; lowest 20.80 below lsd, Apr. 17, 1956. Records available: 1941-57. Apr. 19, 16.95.

218. (C) W. W. Bemis. NE¼ NE¼ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell Sandstone member of Carlile Shale, diameter 24 inches, depth 83 feet, cribbed with rock. Measuring point, top north side

of hole in 2×8 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: 1941-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	57.38	58.14	46.34	.....	33.29	18.79	33.01	35.50	35.97	40.84	44.58
10	.....	57.51	58.26	44.80	.....	31.15	19.76	34.80	37.18	37.67	41.54	44.98
15	.....	57.65	58.36	.....	.....	29.03	21.02	36.44	34.78	38.80	42.11	45.44
20	56.80	57.79	58.50	.....	.....	23.14	24.86	35.67	30.39	40.08	42.91	45.87
25	56.97	57.92	58.59	.....	.....	17.99	28.10	36.56	32.10	40.61	43.74	46.33
30	57.17	.....	58.71	.....	.....	17.94	30.23	37.43	34.20	40.09	44.31	46.66

14-16-17cb. (MB C) J. M. Schippers. Dug stock water-table well in alluvium, diameter 5 feet, depth 24 feet, cribbed with stone. Measuring point, top of board platform, 0.90 foot above lsd. Highest water level 15.22 below lsd, July 27, 1951; lowest 21.58 below lsd, Oct. 15, 1956. Records available: 1946-57. July 11, 17.01; Oct. 24, 18.24.

14-16-36bc. (MB C) Tony Wagner. Dug stock water-table well in alluvium, diameter 4 feet, depth 29 feet, cribbed with stone. Measuring point, top south edge of board platform, 1.50 feet above lsd. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 23.40 below lsd, Dec. 9, 1952. Records available: 1946-52, 1955-57. July 11, 19.14; Oct. 24, 18.74.

14-18-12bb. (MB C) J. Brull. Dug domestic and stock water-table well in Meade Group, diameter 4 feet, depth 31 feet, cribbed with stone. Measuring point, top of stone platform, 0.40 foot above lsd. Highest water level 19.90 below lsd, Dec. 26, 1951; lowest 27.15 below lsd, July 30, 1946. Records available: 1946-57. July 11, 21.95; Oct. 24, 21.43.

14-19-31cc. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 28.98 below lsd, June 10, 1952; lowest 34.45 below lsd, July 11, 1957. Records available: 1949-52, 1954-57. July 11, 34.45; Oct. 24, 32.85.

14-20-32dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 26 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.13 below lsd, July 26, 1951; lowest 23.41 below lsd, Oct. 15, 1956. Records available: 1950-57. July 11, 21.28; Oct. 24, 21.69.

15-16-6dd. (MB C) Ted Thalen. Dug domestic and stock water-table well in alluvium, diameter 4½ feet, depth 30 feet, cribbed with stone. Measuring point, top north side of 2×4 at manhole, 0.40 foot above lsd. Highest water level 18.12 below lsd, Aug. 27, 1951; lowest 24.33 below lsd, Aug. 9, 1946. Records available: 1946-57. July 11, 19.23; Oct. 30, 20.05.

15-16-13bb. (MB C) Ethel M. Witt. Dug domestic and stock water-table well in deposits of Pleistocene age, diameter 4 feet, depth 17 feet, cribbed with stone. Measuring point, top east edge of platform, 0.80 foot above lsd. Highest water level 13.29 below lsd, Aug. 27, 1951; lowest 14.85 below lsd, July 17, 1946. Records available: 1946-52, 1955-57. July 11, 14.13. Measurement discontinued.

15-18-1bb. (MB C) Mat Rohr. Dug stock and observation water-table well in deposits of Pleistocene age, diameter 24 inches, depth 33 feet, cribbed with stone. Measuring point, top south edge of pump base, 0.50 foot above lsd. Highest water level 13.82 below lsd, June 10, 1952; lowest 28.22 below lsd, July 24, 1946. Records available: 1946-57. July 11 17.65; Oct. 30, 16.17.

15-18-16bb. (MB C) T. W. Wolf. Dug domestic and stock water-table well in alluvium, diameter 40 inches, depth 16 feet, cribbed with stone. Measuring point, top east edge of curb, 2.50 feet above lsd. Highest water level 1.17 below lsd, May 15, 1951; lowest 10.28 below lsd, Oct. 15, 1956. Records available: 1946-57. July 11, 4.95; Oct. 24, 6.04.

15-18-27cb. (MB) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 6.44 below lsd, July 11, 1957; lowest 12.90 below lsd, Oct. 15, 1956. Records available: 1949-57. July 11, 6.44; Oct. 24, 9.13.

15-19-6aa. (MB) Aug Leiker. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 6 inches, depth 55 feet. Measuring point, top of concrete platform, 4.00 feet below lsd. Highest water level 50.86 below lsd, Sept. 10, 1952; lowest 56.00 below lsd, Dec. 9, 1952. Records available: 1946-52, 1954-57. July 11, 55.63; Oct. 24, 55.91.

15-19-9cc. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 33.01 below lsd, Oct. 24, 1949; lowest dry, June 4, 1951. Records available: 1949-57. July 11, 35.64; Oct. 24, 35.57.

15-19-15dd. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 23.87 below lsd, Oct. 26, 1951; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-57. July 11, 26.28; Oct. 24, 24.39.

15-20-1bb. (MB) U.S.G.S. Jetted observation water-table well in sand and terrace deposits of Pleistocene age, diameter ¾ inch, depth 26 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.40 below lsd, Oct. 26, 1951; lowest dry, Mar. 15, June 4, July 26, 1951. Records available: 1950-53, 1955-57. Oct. 24, 22.85.

15-20-12aa. (MB) U.S.G.S. Drilled observation water-table well in gravel and terrace deposits of Pleistocene age, diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 37.00 below lsd, Feb. 28, 1952; lowest 39.31 below lsd, Mar. 16, 1950. Records available: 1949-57. July 11, 39.09; Oct. 24, 38.97.

#### ELLSWORTH COUNTY

16-6-35bdd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.18 below lsd, Oct. 1, 1951; lowest 24.31 below lsd, Aug. 20, 1951. Records available: 1950-57. Mar. 18, 21.04; May 8, 21.10; June 11, 21.37; Aug. 20, 19.46; Oct. 11, 19.72; Nov. 15, 20.28.

FINNEY COUNTY

1. (C) Mrs. A. M. Reid. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well in alluvium, diameter 15 inches, depth 21 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 1.05 below lsd, June 29, 1951; lowest 17.23 below lsd, Nov. 5, 10, 1956. Records available: 1936-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.81	16.42	16.62	16.18	15.35	15.05	14.67	15.48	16.82	.....	16.24	15.70
10	16.77	16.34	16.39	15.99	15.28	15.03	14.65	15.81	16.88	.....	16.17	15.60
15	16.73	16.33	16.52	15.80	15.24	14.88	14.71	15.99	.....	.....	16.08	15.52
20	16.66	16.47	16.62	15.64	15.17	14.88	14.84	16.15	.....	.....	16.00	15.44
25	16.60	16.49	16.52	15.52	15.12	14.40	15.12	16.57	16.64	.....	15.88	15.35
30	16.51	.....	16.42	15.44	15.08	14.62	15.27	16.72	.....	.....	15.80	15.27

5. (C) E. Alberta Reeves. SE $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 19, T. 21 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 32 feet. Measuring point, hole east side of pump base, 0.40 foot above lsd. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 23.70 below lsd, Dec. 18, 1957. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	22.81	Apr. 24	23.13	Sept. 10	23.46	Nov. 21	23.67
Feb. 14	22.96	May 8	23.19	Oct. 15	23.59	Dec. 18	23.70
Mar. 11	23.04						

6. (C) T. A. Meakel. NW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 36, T. 21 S., R. 29 W. Drilled unused water-table well in alluvium, diameter 8 inches, depth 26 feet. Measuring point, top east side of casing, 2.00 feet above lsd. Highest water level 11.72 below lsd, Feb. 27, 1952; lowest 20.82 below lsd, June 22, 1946. Records available: 1939-57.

Jan. 16	20.70	Mar. 18	20.69	Aug. 14	18.25	Oct. 17	18.68
Feb. 14	20.61	Apr. 18	17.89	Sept. 11	19.19	Nov. 12	18.87

8. (C) O. G. Reeve. SW $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 13, T. 25 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 83 feet. Measuring point, top south side of casing, 1.50 feet above lsd. Highest water level 70.47 below lsd, Nov. 28, 1956; lowest 75.25 below lsd, June 21, 1940. Records available: 1939-57. Feb. 27, 70.69; May 9, 70.99; Aug. 14, 72.32; Nov. 8, 70.86.

13. (C) Edwin Wehrley. NE $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 13, T. 25 S., R. 31 W. Dug unused water-table well in alluvium, diameter 24 inches, depth 6 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest water level 0.76 above lsd, May 5, 1942; lowest dry, Aug. 15, 1955. Records available: 1939-57.

Jan. 21	4.32	Apr. 22	3.71	July 15	3.57	Oct. 8	4.12
Feb. 18	4.19	May 15	3.92	Aug. 12	4.02	Nov. 19	4.28
Mar. 20	4.20	June 13	3.76	Sept. 23	3.94	Dec. 16	3.61

26. (C) Garden City Experiment Station. SW $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 3, T. 24 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 26 inches, depth 196 feet. Measuring point, top of casing, at land surface. Highest water level 61.59 below lsd, Oct. 21, 1949; lowest 77.12 below lsd, Jan. 16, 1957. Records available: 1934, 1939-57. Jan. 16, 77.12; Apr. 18, 74.65; July 9, 74.05; Oct. 17, 76.02.

1002. (C) U.S. Army. SW $\frac{1}{4}$  sec. 27, T. 24 S., R. 31 W. Drilled industrial water-table well in Ogallala Formation, diameter 16 inches, depth 295 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 110.26 below lsd, Nov. 9, 1953; lowest 124.59 below lsd, Nov. 20, 1956. Records available: 1942-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	114.48	Apr. 22	120.89	July 15	119.52	Oct. 8	115.04
Feb. 18	116.15	May 15	122.90	Aug. 12	127.98	Nov. 19	114.53
Mar. 20	118.51	June 19	114.34	Sept. 23	116.37	Dec. 16	114.99

21-30-5bb. (C) F. T. Carl. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 44 feet. Measuring point, top east side of casing, 0.10 foot above lsd. Highest water level 26.72 below lsd, Jan. 28, 1952; lowest 29.07 below lsd, July 18, 1957. Records available: 1951-57. July 18, 29.07.

22-34-23da. (C) Owner unknown. Drilled unused water-table observation well in deposits of Pleistocene age, diameter 5 inches, depth 58 feet. Measuring point, top west side of casing, at land surface. Highest water level, 40.67 below lsd, Mar. 21, 1956; lowest dry, Sept. 24, 1956. Records available: 1954-56. Measurement discontinued.

23-27-12cc. (C) C. R. Rixon. Drilled unused well in Ogallala Formation, diameter 6 inches, depth 72 feet. Measuring point, at lower north edge of pump base, 0.50 foot above lsd. Highest water level 64.59 below lsd, Nov. 30, 1955; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-57. Feb. 18, 65.60; May 9, 64.60; Nov. 12, 65.15.

23-33-28aa. (C) Owner unknown. Drilled domestic water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 91 feet. Measuring point, top west side of casing, at land surface. Highest water level 29.82 below lsd, Aug. 31, 1954; lowest 40.50 below lsd, Mar. 18, 1957. Records available: 1954-57. Jan. 2, 40.32; Mar. 18, 40.50; June 13, 39.17; Sept. 16, 37.57; Dec. 23, 34.78.

#### FORD COUNTY

8. (C) F. H. Diehl. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 34, T. 26 S., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 23 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.53 below lsd, Nov. 19, 1956. Records available: 1938-57.

Jan. 21	7.89	June 19	6.31	Sept. 23	5.79	Nov. 19	6.68
Apr. 22	6.70	July 15	6.18	Oct. 8	6.18	Dec. 12	6.49
May 15	6.72	Aug. 12	5.65				

25-22-20aa. (C) Mary Arends. Drilled cemetery well in Ogallala Formation, diameter 5½ inches, depth 86 feet. Measuring point, hole in pump, 1.30 feet above lsd. Highest water level 64.78 below lsd. Apr. 14, 1953; lowest 67.75 below lsd, Oct. 18, 1951. Records available: 1939, 1951-57. Jan. 21, 65.30; Apr. 22, 65.23; July 15, 65.25; Oct. 8, 65.27.

96a. (C) Henry Hatstrup. SE¼ NE¼ sec. 23, T. 26 S., R. 21 W. Driven unused well in alluvium, diameter 1¼ inches, depth 13 feet. Measuring point, 0.60 foot above lsd. Highest water level 7.89 below lsd, Oct. 8, 1957; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1955-57. Jan. 21, 10.07; Apr. 22, 9.59; July 15, 8.42; Oct. 8, 7.89.

1002. (C) Dept. of the Army. Cen. SE¼ sec. 12, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala Formation, diameter 16 inches, depth 262 feet. Measuring point, top north side of casing, 1.09 feet above lsd. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-49, 1952-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	104.31	Apr. 22	104.04	July 15	104.22	Oct. 8	104.18
Feb. 18	104.92	May 15	104.58	Aug. 12	104.39	Nov. 19	104.14
Mar. 20	104.04	June 19	104.29	Sept. 23	104.27	Dec. 12	104.00

#### GOVE COUNTY

11-27-16aa. (C) M. E. Neher. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 132 feet. Measuring point, base of pump, at land surface. Highest water level 94.08 below lsd, Aug. 4, 1953; lowest 95.40 below lsd, Aug. 27, 1956. Records available: 1952-57. Feb. 12, 94.70; May 13, 94.72; Aug. 19, 94.68; Nov. 13, 94.63.

11-29-8dd. (C) A. W. Hoover. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 112 feet. Measuring point, top of cement platform, 0.30 foot above lsd. Highest water level 99.53 below lsd. Nov. 13, 1957; lowest 101.12 below lsd, Feb. 21, 1955. Records available: 1952-57. Feb. 12, 99.80; Nov. 13, 99.53.

11-31-10aa. (C) Thos. P. Johnstone. Drilled unused well in Ogallala Formation, diameter 5 inches, depth 97 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 91.52 below lsd, May 13, 1957. Records available: 1952-57. Feb. 12, 91.42; May 13, 91.52; Aug. 19, 91.24; Nov. 13, 91.02.

14-28-29cc. (C) Public school. Drilled unused well in terrace deposits of Pleistocene age, diameter 5 inches, depth 44 feet. Measuring point, top north side of casing, 0.30 foot above lsd. Highest water level 31.15 below lsd, Aug. 19, 1957; lowest 36.49 below lsd, Nov. 26, 1956. Records available: 1956-57. Feb. 12, 36.48; May 13, 36.36; Aug. 19, 31.15; Nov. 13, 31.47.

14-30-5aab. (C) School well. Drilled domestic well in deposits of Pleistocene age and Niobrara Formation, diameter 5 inches, depth 48 feet. Measuring point, top north side of casing, 1.20 feet above lsd. Highest water level 33.92 below lsd, Nov. 13, 1957; lowest 35.12 below lsd, May 13, 1957. Records available: 1956-57. Feb. 12, 35.09; May 13, 35.12; Aug. 19, 33.95; Nov. 13, 33.92.

15-29-30cb. (C) Henry York. Drilled domestic well in deposits of Pleistocene age and Niobrara Formation, diameter 5 inches, depth 26 feet. Measuring point, top west side of casing, 1.80 feet above lsd, since Nov. 13, 1957. Highest water level 20.18 below lsd, Nov. 13, 1957; lowest 21.87 below lsd, Nov. 26, 1956. Records available: 1956-57. Feb. 12, 21.27; May 13, 20.95; Nov. 13, 20.18.

#### GRAHAM COUNTY

6-23-12ccb. (C) H. Hauser. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 70 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 61.90 below lsd, July 23, 1952; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-57. Feb. 12, 63.97; May 13, 63.91; Aug. 19, 62.29; Nov. 13, 62.29.

7-23-35ddd. (C) Chas. Stuchlik. Drilled unused well in Dakota and Ogallala Formations, diameter 8 inches, depth 700-800 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 34.96 below lsd, Feb. 20, 1956; lowest 46.12 below lsd, Nov. 26, 1956. Records available: 1952-57. Feb. 12, 44.19; May 13, 44.07; Aug. 19, 42.14; Nov. 13, 40.19.

7-23-36ccd. (C) Hill City Cemetery. Dug unused well in Ogallala Formation, diameter 42 inches, depth 54 feet. Measuring point, base of pump, 0.70 foot above lsd. Highest water level 25.68 below lsd, Aug. 4, 1953; lowest 45.65 below lsd, Aug. 15, 1955. Records available: 1952-57. Feb. 12, 37.78; May 13, 38.15; Aug. 19, 34.87; Nov. 13, 32.17.

8-22-3dcd. (C) F. O. Dunwoody. Drilled unused stock well in terrace deposits of Pleistocene age, diameter 8 inches, depth 24 feet. Measuring point, top west side of casing, 3.00 feet above lsd. Highest water level 13.89 below lsd, Aug. 14, 1952; lowest 17.74 below lsd, Nov. 26, 1956. Records available: 1952-57. Aug. 19, 16.01; Nov. 13, 16.74.

10-23-14bcc. (C) J. Diebolt. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 40 feet. Measuring point, hole in west side of pump base, 0.15 foot above lsd. Highest water level 29.35 below lsd, Aug. 13, 1952; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-57. Aug. 19, 29.72; Nov. 13, 30.58.

#### GRANT COUNTY

4. (C) Flossie J. Andes. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 27 S., R. 38 W. Drilled stock well in deposits of Pleistocene age and Ogallala Formation, diameter 8 inches, depth 99 feet. Measuring point, top of concrete, 0.70 foot above lsd. Highest water level 83.94 below lsd, Dec. 8, 1952; lowest 96.05 below lsd, Sept. 9, 1957. Records available: 1941-54, 1956-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	93.60	May 20	94.37	July 8	95.03	Nov. 6	95.99
Mar. 12	94.47	June 5	94.93	Sept. 9	96.05	Dec. 10	96.02

5. (C) C. L. Jury. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 6 inches, depth 78 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest

79.44 below lsd, Aug. 21, 1956. Records available: 1941-57. Feb. 20, 75.90; May 20, 76.36; Aug. 7, 77.93; Nov. 6, 77.63.

27-35-16cb. (C) Craig Howard. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 182 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 145.00 below lsd, Oct. 9, 1951; lowest 177.61 below lsd, May 19, 1952. Records available: 1941-42, 1951-57. Feb. 20, 176.46; May 20, 176.77; Aug. 7, 177.54; Nov. 6, 176.74.

30-37-20cb. (C) J. H. Lewis. Drilled irrigation water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 16 inches, depth 335 feet. Measuring point, hole in south side of pump base, 0.65 foot above lsd. Highest water level 114.40 below lsd, Aug. 8, 1941; lowest 143.09 below lsd, Nov. 13, 1956. Records available: 1941, 1952-57. May 20, 139.70; Aug. 7, 142.56; Nov. 6, 135.20.

400. (C) State of Kansas. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, T. 28 S., R. 38 W. Drilled observation water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 12 inches, depth 100 feet. Measuring point, top south side of casing, 0.20 foot above lsd. Highest water level 52.70 below lsd, Feb. 28, 1945; lowest 63.29 below lsd, Sept 15, 1957. Records available: 1944-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	61.55	61.48	61.38	61.30	61.33	61.09	61.02	62.08	63.13	63.23	.....	61.79
10	61.58	61.44	61.38	61.25	61.29	61.08	61.07	.....	63.25	63.21	63.78	61.76
15	61.66	61.39	61.39	61.19	61.25	61.06	61.16	62.51	63.29	63.21	62.89	.....
20	61.72	61.37	61.41	61.14	61.15	61.06	61.39	62.60	63.27	63.20	62.60	.....
25	61.70	61.35	61.44	61.18	61.14	60.96	61.54	62.82	63.27	63.15	61.99	.....
30	61.62	.....	61.39	61.23	61.11	60.99	61.85	62.98	63.25	.....	61.92	.....

GRAY COUNTY

3a. (C) N. A. Mens. NE $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 28 S., R. 27 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 173 feet. Measuring point, hole in east side of pump base, 0.50 foot above lsd. Highest water level 159.22 below lsd, Sept. 12, 1957; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-57. Mar. 19, 159.43; June 18, 159.42; Sept 12, 159.22; Dec. 19, 159.23.

7. (C) P. Brietenbach and others. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 36, T. 26 S., R. 29 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 86 feet. Measuring point, top of west pipe clamp, 1.00 foot above lsd. Highest water level 64.80 below lsd, Sept. 3, 1952; lowest 77.70 below lsd, May 22, 1940. Records available: 1939-49, 1952-57. Mar. 19, 67.12; June 18, 67.88; Sept. 12, 67.47; Dec. 19, 66.05.

11. (C) J. D. Wetmore. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 29 S., R. 28 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 5 inches, depth 61 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest water level 47.87 below lsd, Dec. 28, 1955; lowest 59.75 below lsd, June 18, 1957. Records available: 1939-57. Mar. 19, 59.48; June 18, 59.75.

25-27-36bb. (C) E. W. Bennett. Drilled unused domestic well in Ogallala Formation, diameter 5 inches, depth 121 feet. Measuring point, top of cas-



ing, 0.50 foot above lsd. Highest water level 106.80 below lsd, Sept. 30, 1954; lowest 108.80 below lsd, Sept. 14, 1955. Records available: 1940, 1954-56. No measurement made in 1957.

26-29-7cb. (C) C. M. Davis. Drilled unused stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 100 feet. Measuring point, top clamp south edge of north pipe, 1.00 foot above lsd. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.83 below lsd, Oct. 13, 1939. Records available: 1939, 1953-57. Mar. 19, 80.58; June 18, 80.63; Sept. 12, 81.03; Dec. 19, 80.35.

#### GREELEY COUNTY

16-41-20ba. (C) J. Howell. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 153 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 127.96 below lsd, Jan. 6, 1949; lowest 133.02 below lsd, July 20, 1949. Records available: 1947-57. Jan. 10, 131.91; May 8, 131.82; July 11, 132.35; Sept. 10, 132.36; Nov. 21, 132.95.

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: 1954-57. Mar. 11, 194.93; Sept. 10, 194.81.

#### HAMILTON COUNTY

2a. (C) Chester Huser. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 21, T. 23 S., R. 43 W. Drilled irrigation well in alluvium, diameter 40 inches, depth 29 feet. South well of a battery of three irrigation wells. Measuring point, top west side of concrete curb, 0.80 foot above lsd. Highest water level 11.44 below lsd, June 29, 1951; lowest 15.44 below lsd, Oct. 26, 1956. Records available: 1944-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	14.68	Apr. 26	14.41	July 19	14.67	Nov. 22	13.87
Feb. 22	14.63	May 24	13.70	Sept. 20	14.53	Dec. 20	13.68
Mar. 22	14.56	June 21	13.29	Oct. 18	14.17		

3. (C) B. Rees. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 40 W. Dug and drilled unused water-table well in alluvium, diameter 12 inches, depth 25 feet. Measuring point, top of bolt in west side of concrete, 0.25 foot above lsd. Highest water level 11.45 below lsd, May 31, 1951; lowest 17.29 below lsd, Sept. 21, 1956. Records available: 1939-57.

Jan. 25	16.35	Apr. 26	16.48	July 19	16.05	Oct. 18	15.56
Feb. 22	16.55	May 24	16.29	Aug. 23	16.15	Nov. 21	15.31
Mar. 22	16.48	June 21	15.85	Sept. 20	16.14	Dec. 20	15.32

6. (C) Belle Heinlen. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, T. 24 S., R. 39 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 106 feet. Measuring point, top south side of casing, 1.35 feet above lsd. Highest water level 23.70 below lsd, July 27, 1951; lowest 56.40 below lsd, July 23, 1954. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	54.05	May 24	54.08	Aug. 9	42.12	Oct. 18	51.24
Feb. 22	54.28	June 21	54.18	23	43.22	Nov. 21	51.92
Mar. 22	53.89	July 19	42.13	Sept. 20	49.04	Dec. 20	52.29
Apr. 26	53.72	30	40.98				

HARPER COUNTY

32-7-11cdd. (C) City of Anthony. Bored observation well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 16.11 below lsd, June 16, 1957; lowest 22.09 below lsd, Mar. 24, 31, 1957. Records available: 1956-57.

	1956		9	21.84	Apr. 7	21.94		11	17.84
Aug. 15	21.00		16	21.88	14	21.89		18	16.36
19	20.90	Dec. 23	23	21.88	21	21.05		25	17.72
26	21.01		29	21.88	Apr. 28	20.27	Sept. 1	18.22	
Sept. 2	21.22			1957	May 5	20.34	8	18.36	
9	20.84	Jan. 6	6	21.90	12	20.80	15	17.96	
16	21.22		13	21.92	19	16.13	22	16.14	
23	21.38		20	21.94	26	16.17	28	17.14	
29	21.51		27	21.92	June 2	16.51	Oct. 6	17.17	
Oct. 7	21.67	Feb. 3	3	21.97	9	17.13	13	17.15	
14	21.72		10	21.97	16	16.11	20	17.30	
21	21.78		17	22.01	23	16.76	27	17.22	
28	21.86		24	22.01	30	15.17	Nov. 3	17.33	
Nov. 4	21.84	Mar. 3	3	22.03	July 7	14.55	10	17.13	
11	21.84		10	22.01	14	15.53	17	17.05	
18	21.80		17	22.06	21	16.25	24	16.72	
25	21.86		24	22.09	28	16.78	Dec. 1	16.65	
Dec. 2	21.84		31	22.09	Aug. 3	17.34	8	16.84	

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, 1.50 feet above lsd. Highest water level 22.50 below lsd, Oct. 15, 1954; lowest 36.79 below lsd, Oct. 28, 1956. Records available: 1954-57.

	1954		31	30.48		13	33.04		24	36.12
Oct. 15	22.50	Aug. 7	7	31.25	May 20	33.29	Mar. 3	36.12		
22	26.56		14	31.42	27	34.54	10	36.10		
Nov. 2	27.00		21	31.83	June 3	33.67	17	36.08		
7	27.17		28	32.08	10	33.75	24	36.08		
14	27.42	Sept. 4	4	32.33	17	33.92	31	36.06		
21	27.60		11	32.54	24	34.17	Apr. 7	36.06		
28	27.76		18	32.76	July 1	34.46	14	36.04		
Dec. 5	27.86		25	32.94	3	34.71	21	36.02		
12	27.95	Oct. 2	2	32.75	15	34.80	28	36.00		
19	28.04		9	32.29	22	34.96	May 5	35.94		
26	28.16		16	32.10	29	35.04	12	35.92		
	1955		23	32.04	Aug. 4	35.19	19	35.64		
Jan. 2	28.21		30	31.98	12	35.31	26	35.46		
9	28.27	Nov. 6	6	31.92	19	35.52	June 2	36.25		
16	28.33		13	31.92	26	35.69	9	36.06		

Date	Water level	Date	Water level	Date	Water level	Date	Water level
	23 28.42	20	31.81	Sept. 2	35.89	16	34.79
	30 28.50	27	31.83	9	36.08	23	34.64
Feb.	6 28.52	Dec. 4	31.64	16	36.19	30	34.42
	13 28.54	11	31.46	23	36.31	July 7	32.86
	20 28.62	18	31.52	29	36.46	14	33.29
	27 28.68	25	31.60	Oct. 7	36.56	21	33.06
Mar.	3 28.75		1956	14	36.69	28	33.29
	13 28.00	Jan. 1	31.54	21	36.77	Aug. 3	33.67
	20 27.63	8	31.71	28	36.79	11	34.06
	27 27.54	15	31.71	Nov. 4	36.77	18	34.42
Apr.	3 27.42	22	31.75	11	36.75	25	34.33
	10 27.46	29	31.37	18	36.71	Sept. 1	34.09
	17 27.51	Feb. 5	30.89	25	36.66	8	32.87
	24 27.71	12	30.60	Dec. 2	36.63	15	33.77
May	1 27.85	19	30.96	9	36.56	22	33.71
	8 28.04	26	31.23	16	36.50	28	33.54
	15 28.12	Mar. 4	31.50	23	36.46	Oct. 6	33.43
	22 28.12	11	31.96	29	36.42	13	33.27
	29 27.85	18	31.79	1957		20	33.17
June	5 27.73	25	31.94	Jan. 6	36.35	27	33.00
	12 27.68	Apr. 1	32.17	13	36.33	Nov. 3	32.75
	19 27.29	8	32.29	20	36.27	10	32.58
	26 27.08	15	32.37	27	36.25	17	32.46
July	3 27.17	22	32.58	Feb. 3	36.23	24	32.37
	10 27.37	29	32.75	10	36.21	Dec. 1	32.29
	17 28.21	May 6	32.79	17	36.17	8	32.27
	24 29.37						

## HARVEY COUNTY

101. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 75 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 29.80 below lsd, July 1, 1957; lowest 38.46 below lsd, Aug. 31, 1956. Records available: 1954-57.

Jan. 31	35.60	May 1	34.20	Aug. 1	31.30	Nov. 1	32.78
Mar. 1	35.73	31	30.75	30	32.01	Dec. 5	32.48
Apr. 1	35.47	July 1	29.80	Oct. 2	31.50		

102. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 24, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 26.50 below lsd, Dec. 1, 1955; lowest 36.33 below lsd, Aug. 31, 1956. Records available: 1954-57.

Jan. 31	34.15	May 1	31.68	Aug. 1	31.70	Nov. 1	31.05
Mar. 1	33.90	31	29.89	30	30.22	Dec. 5	30.44
Apr. 1	32.15	July 1	30.55	Oct. 2	29.90		

103. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 19, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 73 feet. Measuring point, top of pipe, 0.50 foot above lsd.

Highest water level 26.54 below lsd, Nov. 1, 1957; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	31.82	May 1	29.19	Aug. 1	31.34	Nov. 1	26.54
Mar. 1	31.42	31	28.95	30	28.37	Dec. 5	29.30
Apr. 1	30.92	July 1	30.43	Oct. 2	27.95		

104. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 81 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 22.52 below lsd, July 1, 1957; lowest 27.77 below lsd, Nov. 1, 1956. Records available: 1954-57.

Jan. 31	26.70	May 1	26.09	Aug. 1	22.83	Nov. 1	23.86
Mar. 1	26.69	31	23.98	30	23.33	Dec. 5	23.92
Apr. 1	26.70	July 1	22.52	Oct. 2	23.53		

105. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.48 below lsd, May 31, 1957; lowest 31.58 below lsd, Aug. 31, 1956. Records available: 1954-57.

Jan. 31	27.46	May 1	24.15	Aug. 1	24.85	Nov. 1	24.45
Mar. 1	27.14	31	21.48	30	23.05	Dec. 5	23.47
Apr. 1	26.08	July 1	21.58	Oct. 2	22.42		

106. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 36, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.61 below lsd, Nov. 2, 1954; lowest 27.68 below lsd, Aug. 31, 1956. Records available: 1954-57.

Jan. 31	27.55	May 1	27.10	Aug. 1	26.40	Nov. 1	26.15
Mar. 1	27.47	31	26.54	30	25.95	Dec. 5	26.13
Apr. 1	27.59	July 1	26.39	Oct. 2	25.84		

107. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 3, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 37.48 below lsd, Sept. 2, 1954; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-57.

Jan. 31	44.60	May 1	43.90	Aug. 1	46.14	Nov. 1	44.20
Mar. 1	46.60	31	42.98	30	45.84	Dec. 5	41.32
Apr. 1	43.14	July 1	39.96	Oct. 2	41.52		

108. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age,

diameter 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: 1954-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	13.00	May 1	13.20	Aug. 1	12.51	Nov. 1	12.50
Mar. 1	13.06	31	12.90	30	12.45	Dec. 5	12.43
Apr. 1	13.22	July 1	12.68	Oct. 2	12.44		

109. (C) City of Wichita. NE¼ NE¼ NE¼ sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 11.08 below lsd, July 1, 1957; lowest 15.03 below lsd, Apr. 1, 1957. Records available: 1954-57.

Jan. 31	14.92	May 1	14.67	Aug. 1	11.29	Nov. 1	11.91
Mar. 1	14.99	31	12.73	30	11.62	Dec. 5	12.04
Apr. 1	15.03	July 1	11.08	Oct. 2	11.68		

110. (C) City of Wichita. SW¼ SW¼ SW¼ sec. 24, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 6.31 below lsd, July 1, 1957; lowest 10.36 below lsd, Mar. 1, 1957. Records available: 1954-57.

Jan. 31	10.28	May 1	9.98	Aug. 1	6.32	Nov. 1	6.99
Mar. 1	10.36	31	7.43	30	6.80	Dec. 5	6.91
Apr. 1	10.29	July 1	6.31	Oct. 2	6.69		

111. (C) City of Wichita. SE¼ SE¼ SE¼ sec. 2, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.34 below lsd, July 1, 1957; lowest 20.12 below lsd, Oct. 1, 1956. Records available: 1954-57.

Jan. 31	19.84	May 1	18.40	Aug. 1	16.07	Nov. 1	16.89
Mar. 1	19.80	31	15.99	30	17.17	Dec. 5	16.86
Apr. 1	19.02	July 1	14.34	Oct. 2	17.01		

112. (C) City of Wichita. SE¼ SE¼ SE¼ sec. 24, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.06 below lsd, June 25, 1954; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-57.

Jan. 31	24.96	May 1	25.65	Aug. 1	23.62	Nov. 1	23.90
Mar. 1	25.46	31	24.57	30	23.76	Dec. 5	23.91
Apr. 1	25.55	July 1	24.12	Oct. 2	23.85		

113. (C) City of Wichita. NW¼ NW¼ NW¼ sec. 29, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age,

diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.32 below lsd, July 1, 1957; lowest 23.90 below lsd. Mar. 1, 1957. Records available: 1954-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	23.83	May 1	22.88	Aug. 1	17.73	Nov. 1	19.59
Mar. 1	23.90	31	17.79	30	18.91	Dec. 5	19.94
Apr. 1	23.55	July 1	14.32	Oct. 2	19.19		

118. (C) City of Wichita. SE¼ SE¼ SE¼ sec. 27, T. 23 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 7.78 below lsd, July 1, 1957; lowest 19.69 below lsd, Oct. 1, 1956. Records available: 1955-57.

Jan. 31	18.68	May 1	16.37	Aug. 1	13.23	Nov. 1	15.13
Mar. 1	18.06	31	12.66	30	14.83	Dec. 5	15.14
Apr. 1	17.15	July 1	7.78	Oct. 2	15.03		

119. (C) City of Wichita. NW¼ NW¼ NW¼ sec. 6, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 27.56 below lsd, May 1, 1957; lowest 36.76 below lsd, Oct. 1, 1956. Records available: 1955-57.

Jan. 31	36.54	May 1	27.56	Aug. 1	33.34	Nov. 1	33.84
Mar. 1	36.52	31	33.16	30	34.18	Dec. 5	33.66
Apr. 1	36.32	July 1	29.92	Oct. 2	34.13		

120. (C) City of Wichita. SE¼ SE¼ SE¼ sec. 1, T. 24 S., R. 2 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 13.39 below lsd, July 1, 1957; lowest 23.00 below lsd, Oct. 1, 1956. Records available: 1955-57.

Jan. 31	22.53	May 1	21.37	Aug. 1	18.36	Nov. 1	19.36
Mar. 1	22.50	31	17.58	30	19.29	Dec. 5	19.44
Apr. 1	22.21	July 1	13.39	Oct. 2	19.40		

121. (C) City of Wichita. SW¼ SW¼ SW¼ sec. 5, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 81 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 48.47 below lsd, July 1, 1957; lowest 54.18 below lsd, May 31, 1956. Records available: 1955-57.

Jan. 31	53.93	May 1	53.38	Aug. 1	49.31	Nov. 1	50.09
Mar. 1	53.99	31	50.44	30	50.84	Dec. 5	50.18
Apr. 1	53.85	July 1	48.47	Oct. 2	50.39		

122. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 18, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.38 below lsd, July 3, 1957; lowest 23.01 below lsd, Oct. 1, 1956. Records available: 1955-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	22.17	May 1	19.46	Aug. 1	19.13	Nov. 1	20.00
Mar. 1	22.01	31	15.60	30	20.42	Dec. 5	20.11
Apr. 1	20.55	July 3	8.38	Oct. * 2	20.27		

123. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 24 S., R. 1 W. Bored observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 43 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.84 below lsd, May 1, 1957; lowest 38.54 below lsd, Dec. 31, 1956. Records available: 1955-57.

Jan. 31	37.65	May 1	20.84	Aug. 1	32.01	Nov. 1	33.40
Mar. 1	37.72	31	31.69	30	34.15	Dec. 5	33.59
Apr. 1	37.36	July 3	28.34	Oct. 2	33.50		

506. (C) W. G. Backhaus. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 28, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 139 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 1.71 below lsd, July 16, 1951; lowest 21.70 below lsd, Oct. 15, 1956. Records available: 1938-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.99	18.92	18.79	17.68	16.32	10.81	6.89	15.81	17.09	16.25	16.63	16.59
10	19.06	18.86	18.83	17.21	16.71	12.22	9.45	16.63	16.89	16.37	17.07	16.45
15	18.93	19.32	18.87	17.39	12.49	13.18	11.28	17.10	16.72	16.47	16.97	.....
20	.....	.....	18.79	17.63	6.70	12.59	12.75	17.01	16.25	.....	16.84	16.70
25	19.14	18.94	18.56	15.90	9.19	13.18	13.18	17.22	16.25	16.70	16.63	16.73
30	18.95	.....	17.80	16.55	10.80	.....	13.90	16.73	16.27	16.55	16.66	.....

507. (C) W. G. Backhaus. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 44 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 3.23 below lsd, May 6, 1944; lowest 21.32 below lsd, Aug. 31, 1956. Records available: 1938-57.

Jan. 31	17.47	May 1	14.14	Aug. 1	17.02	Nov. 1	16.80
Mar. 1	18.12	31	12.89	30	14.86	Dec. 5	15.03
Apr. 1	16.32	July 1	5.94	Oct. 2	13.64		

736. (C) I. Ansel, Jr. SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 12, T. 23 S., R. 3 W. Driven domestic water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 33 feet. Measuring point, base of pitcher pump, 4.70 feet

above lsd. Highest water level 3.60 below lsd, July 1, 1952; lowest 12.81 below lsd, Dec. 31, 1956. Records available: 1950-57. Apr. 2, 11.57; May 31, 10.64; July 1, 8.80.

817. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 1, T. 24 S., R. 2 W. Driven observation water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 21.46 below lsd, Oct. 1, 1956. Records available: 1938-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	20.56	May 1	18.72	Aug. 1	16.50	Nov. 1	17.59
Mar. 1	20.38	31	15.21	30	17.97	Dec. 5	17.99
Apr. 1	19.57	July 1	11.69	Oct. 2	17.80		

821. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 29.93 below lsd, Apr. 1, 1957. Records available: 1938-57.

Jan. 31	29.80	May 1	29.64	Aug. 1	29.59	Nov. 1	29.67
Mar. 1	29.71	31	29.53	30	29.53	Dec. 5	29.72
Apr. 1	29.93	July 1	29.59	Oct. 2	29.48		

824. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 22, T. 24 S., R. 1 W. Driven observation water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 3.60 below lsd, June 1, 1951; lowest 19.87 below lsd, Oct. 1, 1956. Records available: 1938-57.

Jan. 31	18.71	May 1	17.36	Aug. 1	13.13	Nov. 1	13.25
Mar. 1	18.52	31	14.64	30	13.75	Dec. 5	13.04
Apr. 1	18.17	July 1	12.76	Oct. 2	13.45		

831. (C) City of Wichita. NE cor. sec. 19, T. 24 S., R. 1 W. Driven observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.53 below lsd, May 4, 1945; lowest 23.02 below lsd, Apr. 1, 1957. Records available: 1939-49, 1956-57.

Jan. 31	22.89	May 1	22.99	Aug. 1	18.13	Nov. 1	19.67
Mar. 1	23.00	31	17.99	30	19.50	Dec. 5	19.85
Apr. 1	23.02	July 1	13.78	Oct. 2	19.56		

832. (C) City of Wichita. NE cor. sec. 19, T. 24 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 129 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.54 below lsd, July 1, 1957; lowest 24.85 below lsd, Dec. 31, 1956. Records available: 1938-49, 1955-57.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	24.10	May 31	17.85	Aug. 30	20.33	Nov. 1	20.35
Mar. 1	24.12	July 1	11.54	Oct. 2	20.21	Dec. 5	19.60
May 1	22.34	Aug. 1	18.89				

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

Jan. 31	25.18	May 1	24.86	Aug. 1	20.88	Nov. 1	21.97
Mar. 1	25.23	31	21.14	30	21.62	Dec. 5	22.19
Apr. 1	25.22	June 27	19.55	Oct. 2	20.76		

839. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-57.

Jan. 31	32.30	May 1	32.52	Aug. 1	31.74	Nov. 1	31.69
Mar. 1	32.45	31	32.10	30	31.78	Dec. 5	31.59
Apr. 2	32.49	July 1	31.94	Oct. 2	31.73		

853. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 13, T. 24 S., R. 2 W. Drilled observation water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.82 below lsd, Oct. 2, 1951; lowest 21.86 below lsd, Mar. 1, 1957. Records available: 1938-57.

Jan. 31	21.80	May 1	20.93	Aug. 1	18.11	Nov. 1	19.00
Mar. 1	21.86	31	18.41	30	19.01	Dec. 5	19.80
Apr. 1	21.53	July 1	16.29	Oct. 2	18.90		

854. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 23, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 5.13 below lsd, Aug. 1, 1951; lowest 17.34 below lsd, Jan. 31, 1957. Records available: 1938-57.

Jan. 31	17.34	May 1	16.35	Aug. 1	12.58	Nov. 1	14.45
Mar. 1	17.28	31	13.43	30	13.92	Dec. 5	14.67
Apr. 1	16.82	July 1	9.82	Oct. 2	14.30		

873. (C) City of Wichita. D. C. Buller, owner of property. SE cor. sec. 31, T. 23 S., R. 2 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 10.49 below lsd, Apr. 29, 1943; lowest 40.93 below lsd, Dec. 3, 1957. Records available: 1939-49, 1954-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	40.22	May 1	38.87	Aug. 1	40.06	Nov. 1	40.83
Mar. 1	39.02	31	39.20	30	40.05	Dec. 5	40.93
Apr. 2	39.35	July 1	39.79	Oct. 2	39.84		

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 57.60 below lsd, Nov. 1, 1957. Records available: 1939-49, 1954-57.

Jan. 31	50.47	May 1	48.61	Aug. 1	54.59	Nov. 1	57.60
Mar. 1	48.72	31	49.57	30	50.72	Dec. 5	55.72
Apr. 2	49.20	July 1	53.04	Oct. 2	44.70		

875. (C) A. B. Havely. SE¼ SE¼ sec. 17, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 0.14 above lsd, May 1, 1952; lowest 8.78 below lsd, Oct. 31, 1955. Records available: 1939-57.

Jan. 31	8.50	May 1	8.29	Aug. 1	5.60	Nov. 1	7.41
Mar. 1	8.45	31	7.75	30	6.25	Dec. 5	6.20
Apr. 2	8.48	July 1	6.13	Oct. 2	6.45		

876. (C) A. B. Havely. SE¼ SE¼ sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 246 feet. Measuring point, top of instrument shelf, 2.70 feet above lsd. Highest water level 21.55 below lsd, Sept. 7, 1951; lowest 32.83 below lsd, Apr. 2, 1957. Records available: 1939-57.

Jan. 31	32.72	May 1	32.74	Aug. 1	30.74	Nov. 1	30.96
Mar. 1	32.75	31	32.38	30	30.89	Dec. 5	30.95
Apr. 2	32.83	July 1	31.19	Oct. 2	30.88		

877. (C) A. B. Havely. SE¼ SE¼ sec. 17, T. 23 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top of plate on instrument shelf, 3.40 feet above lsd. Highest water level 9.95 below lsd, May 6, 1945; lowest 19.21 below lsd, Aug. 5, Sept. 5, 1956. Records available: 1939-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	19.08	19.15	19.13	18.92	17.82	17.12	17.36	17.26	17.09	17.19	17.24
10	.....	19.05	19.14	19.09	18.86	17.73	17.00	17.41	17.17	17.10	17.23	.....
15	.....	19.12	19.20	19.06	18.80	17.64	16.93	17.43	17.07	17.09	17.14	.....
20	.....	.....	19.20	19.06	18.11	17.55	16.93	17.51	17.10	17.17	17.23	.....
25	19.03	19.18	19.12	19.01	17.91	17.46	16.93	17.47	17.10	17.16	17.21	.....
30	.....	.....	19.18	18.98	17.96	17.34	16.92	17.25	17.09	17.14	17.22	17.33

878. (C) C. Cadwell. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 1, T. 24 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 16.25 below lsd, June 3, 1940; lowest 34.93 below lsd, Dec. 2, 1953. Records available: 1938-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	34.67	May 1	34.91	Aug. 1	34.49	Nov. 1	34.60
Mar. 1	34.80	31	34.74	30	34.54	Dec. 5	34.61
Apr. 1	34.90	July 1	34.65	Oct. 2	34.55		

879. (C) C. Cadwell. SE cor. SE $\frac{1}{4}$  sec. 1, T. 24 S., R. 3 W. Drilled unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 241 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 38.50 below lsd, Apr. 2, 1957. Records available: 1938-57.

Jan. 31	38.34	May 1	38.18	Aug. 1	37.96	Nov. 1	38.20
Mar. 1	38.27	31	38.05	30	38.25	Dec. 5	38.10
Apr. 2	38.50	July 1	37.94	Oct. 2	38.01		

880. (C) Peter Miller. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 2.56 below lsd, Sept. 30, 1945; lowest dry, Mar. 2, Apr. 2, May 1, 1956. Records available: 1938-57.

Jan. 31	14.25	May 1	13.61	Aug. 1	11.00	Nov. 1	11.96
Mar. 1	14.35	31	11.61	30	11.42	Dec. 5	12.22
Apr. 2	14.25	July 1	10.44	Oct. 2	11.77		

881. (C) Peter Miller. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 11, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 14.72 below lsd, Mar. 1, 1957. Records available: 1938-57.

Jan. 31	14.64	May 1	14.02	Aug. 1	11.84	Nov. 1	12.70
Mar. 1	14.72	31	12.31	30	12.20	Dec. 5	12.86
Apr. 2	14.27	July 1	11.24	Oct. 2	12.49		

884. (C) Maggie Holle. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 38.30 below lsd, May 1, 1957. Records available: 1939-57.

Jan. 31	36.94	May 1	38.30	Aug. 1	36.75	Nov. 1	35.69
Mar. 1	36.59	31	37.50	30	36.70	Dec. 5	36.55
Apr. 2	38.10	July 1	37.16	Oct. 2	35.67		

885. (C) Maggie Holle. NW cor. NW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 99 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.22 below lsd, Aug. 21, 1939; lowest 39.70 below lsd, May 1, 1957. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	38.42	May 1	39.70	Aug. 1	38.30	Nov. 1	35.48
Mar. 1	36.42	31	38.88	30	38.30	Dec. 5	38.11
Apr. 2	39.48	July 1	38.56	Oct. 2	35.39		

886. (C) F. H. Haiber. NE cor. NW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.34 below lsd, Apr. 21, 1939; lowest 31.86 below lsd, Aug. 1, 1956. Records available: 1939-57.

Jan. 25	31.20	Apr. 26	31.56	Aug. 1	29.81	Oct. 25	29.69
31	31.10	May 1	31.40	27	30.80	Nov. 1	30.18
Feb. 25	31.22	31	30.12	30	30.44	25	29.53
Mar. 1	31.79	June 26	29.70	Sept. 25	29.69	Dec. 5	29.62
25	31.12	July 1	29.44	Oct. 2	28.09	26	29.25
Apr. 2	31.08	25	28.65				

887. (C) F. H. Haiber. NE cor. NW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 111 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.72 below lsd, May 27, 1940; lowest 33.33 below lsd, Aug. 1, 1956. Records available: 1939-1957.

Jan. 31	32.12	May 1	32.46	Aug. 1	31.27	Nov. 1	31.46
Mar. 1	33.05	31	31.03	30	31.84	Dec. 5	30.59
Apr. 2	31.90	July 1	30.33	Oct. 2	28.98		

888. (C) C. K. Ellis. NW cor. NW $\frac{1}{4}$  sec. 17, T. 23 S., R. 2 W. Drilled unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 12 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 0.35 below lsd, Nov. 7, 1951; lowest dry, Apr. 2, 1957. Records available: 1939-57.

Apr. 2	Dry	Aug. 1	4.81	Oct. 2	8.04	Dec. 5	8.37
May 31	2.27	30	7.40	Nov. 1	8.34		

889. (C) C. K. Ellis. NW cor. NW $\frac{1}{4}$  sec. 17, T. 23 S., R. 2 W. Drilled unused water-table well in Pleistocene sand, diameter 1 $\frac{1}{4}$  inches, depth 151 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.62 below lsd, Aug. 1, 1951; lowest 16.35 below lsd, Aug. 31, 1956. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	12.95	May 31	6.83	Aug. 30	9.10	Nov. 1	9.91
Mar. 1	12.70	July 1	4.73	Oct. 2	8.99	Dec. 5	9.62
Apr. 2	12.15	Aug. 1	8.47				

890a. (C) J. F. Jorgenson. NE cor. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 21, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 15 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.13 below lsd, Aug. 1, 1957; lowest 9.94 below lsd, Nov. 1, 1956. Records available: 1954-57.

Jan. 31	9.72	May 1	9.17	Aug. 1	6.13	Nov. 1	6.21
Mar. 1	9.71	31	7.73	30	6.47	Dec. 5	6.20
Apr. 2	9.50	July 1	6.64	Oct. 2	6.34		

891. (C) Arthur McMurry. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 31, T. 24 S., R. 3 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 7 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 0.46 below lsd, May 11, 1942; lowest dry, July 2, Aug. 31, Oct. 1, 1956. Records available: 1939-57.

May 1	3.73	July 1	0.52	Aug. 30	3.72	Dec. 5	3.17
31	2.06	Aug. 1	2.88	Nov. 1	3.08		

892. (C) Arthur McMurry. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 31, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 106 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.15 above lsd, May 12, 1944; lowest 5.88 below lsd, Oct. 1, 1956. Records available: 1939-57.

Jan. 31	4.58	May 1	2.98	July 1	0.65	Aug. 30	2.99
Mar. 1	4.42	31	1.46	Aug. 1	2.18	Oct. 2	2.30
Apr. 2	4.02						

893. (C) Arthur McMurry. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 31, T. 24 S., R. 3 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 163 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 0.48 above lsd, July 9, 1951; lowest 5.42 below lsd, Oct. 1, 1956. Records available: 1939-57.

Jan. 31	4.42	Apr. 2	4.08	May 31	1.34	Aug. 1	1.94
Mar. 1	4.31	May 1	2.93	July 1	0.66	30	2.76

894. (C) H. A. Lawrence. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 59 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 9.56 below lsd, May 27, 1940; lowest 34.40 below lsd, Apr. 2, 1957. Records available: 1938-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	34.03	May 1	34.33	Aug. 1	33.62	Nov. 1	33.39
Mar. 1	33.92	31	33.90	30	33.78	Dec. 5	33.22
Apr. 2	34.40	July 1	33.76	Oct. 2	33.35		

1053-B. (C) J. H. Workentine. SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 16, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 38 feet. Measuring point, top of 1 $\frac{1}{4}$ -inch union, 0.30 foot above lsd. Highest water level 6.67 below lsd, July 9, 1951; lowest 19.41 below lsd, Dec. 31, 1956. Records available: 1950-57. Apr. 2, 19.37; May 31, 14.20; July 1, 9.93; Oct. 2, 15.73.

1173. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 29, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 26 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.64 below lsd, July 9, 1951; lowest 24.25 below lsd, May 31, 1957. Records available. 1950-57. Apr. 2, 24.07; May 31, 24.25; July 1, 24.02; Oct. 2, 23.59; Dec. 5, 23.56.

1174. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 32, T. 24 S., R. 1 W. Driven observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.28 below lsd, May 1, 1945; lowest 22.73 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1940-49, 1954-57.

Jan. 31	22.60	May 1	22.70	Aug. 1	19.13	Nov. 1	19.83
Mar. 1	22.73	31	20.11	30	19.60	Dec. 5	19.92
Apr. 2	22.73	July 1	18.63	Oct. 2	19.70		

1175. (C) City of Wichita. SE cor. SE $\frac{1}{4}$  sec. 30, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.80 below lsd, July 9, 1951; lowest 20.50 below lsd, May 1, 1957. Records available: 1950-57.

Jan. 31	20.42	May 1	19.95	Aug. 1	15.18	Nov. 1	16.53
Mar. 1	20.50	31	15.38	Oct. 2	16.29	Dec. 5	16.82
Apr. 2	20.40	July 1	13.54				

1179. (C) City of Wichita. SE $\frac{1}{4}$  NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 33, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.25 below lsd, Oct. 2, 1951; lowest 21.76 below lsd, Oct. 1, 1956. Records available: 1950-57. Apr. 2, 20.22; May 31, 15.72; July 1, 12.52; Oct. 2, 17.69; Dec. 5, 18.05.

1186. (C) City of Wichita. SW cor SW $\frac{1}{4}$  sec. 13, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.25 below lsd, Sept. 7, 1951; lowest 24.67 below lsd, Mar. 1, 1957. Records available: 1941-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	24.35	May 31	20.65	Aug. 30	21.58	Nov. 1	21.91
Mar. 1	24.67	July 1	17.84	Oct. 2	21.66	Dec. 5	21.65
Apr. 2	24.16	Aug. 1	20.63				

1187. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 29, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 39 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.30 below lsd, July 9, 1951; lowest 20.48 below lsd, Dec. 31, 1956. Records available: 1941-57.

Jan. 31	19.42	May 1	17.07	Aug. 1	12.07	Nov. 1	14.53
Mar. 1	19.32	31	11.00	30	14.02	Dec. 5	14.66
Apr. 2	18.50	July 3	2.90	Oct. 2	13.84		

1189. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. 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, 1949-57. Apr. 2, 27.38; May 31, 23.69; July 1, 22.16; Oct. 2, 25.85; Dec. 5, 26.29.

1190. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 10, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.14 below lsd, July 9, 1951; lowest 32.99 below lsd, May 1, 1957. Records available: 1950-57.

Jan. 31	32.72	May 1	32.99	Aug. 1	31.31	Nov. 1	30.60
Mar. 1	32.84	31	32.51	30	31.07	Dec. 5	30.49
Apr. 2	32.93	July 3	31.91	Oct. 2	30.44		

1191. (C) City of Wichita. SW cor. sec. 27, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.12 below lsd, July 3, 1957; lowest 19.63 below lsd, Aug. 31, 1956. Records available: 1950-57. Apr. 2, 17.73; May 31, 11.58; July 3, 4.12; Oct. 2, 15.22.

1193. (C) J. W. McElwain. SE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 24, T. 23 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 23 feet. Measuring point, bottom valve seat of pump, 2.35 feet above lsd. Highest water level 2.64 below lsd, Apr. 1, 1952; lowest 11.68 below lsd, June 28, 1950. Records available: 1950-57.

Jan. 31	10.39	May 1	9.95	Aug. 1	8.54	Nov. 1	8.50
Mar. 1	10.40	31	9.26	Oct. 2	8.63	Dec. 5	8.59
Apr. 2	10.60	July 3	8.85				

1194. (C) Byron Wood. NE $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 14, T. 23 S., R. 3 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter

1¼ inches, depth 21 feet. Measuring point, bottom valve seat of pump, 2.19 feet above lsd. Highest water level 2.14 below lsd, Mar. 31, 1952; lowest 12.67 below lsd, Aug. 1, 1956. Records available: 1941, 1950, 1952-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	12.27	May 1	11.94	Aug. 1	7.56	Nov. 1	9.29
Mar. 1	12.31	31	9.72	Oct. 2	9.03	Dec. 5	9.60
Apr. 2	12.26	July 3	7.08				

1196. (C) Maggie Vollwieder. SE cor. sec. 27, T. 24 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 19 feet. Measuring point, lower check valve, 2.10 feet above lsd. Highest water level 2.17 below lsd, June 3, 1952; lowest 7.86 below lsd, Dec. 28, 1957. Records available: 1941, 1952-57.

Jan. 3	6.28	May 1	6.45	Aug. 1	7.09	Nov. 1	7.57
31	6.34	31	6.61	31	7.37	30	7.71
Mar. 1	6.34	July 2	7.85	Oct. 1	7.55	Dec. 28	7.86
30	6.38						

2072. (C) Peter Hoops and others. NE¼ NW¼ sec. 5, T. 24 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 46 feet. Measuring point, top of casing, 0.60 foot above lsd. Highest water level 27.09 below lsd, May 5, 1947; lowest 40.32 below lsd, Dec. 5, 1957. Records available: 1941-57.

Jan. 31	40.05	May 1	40.18	Aug. 1	40.21	Nov. 1	40.29
Mar. 1	40.09	31	40.25	30	40.25	Dec. 5	40.32
Apr. 2	39.82	July 3	40.23	Oct. 2	40.25		

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: 1950-57.

Jan. 31	28.92	May 1	28.72	Aug. 1	25.28	Nov. 1	26.23
Mar. 1	29.11	31	26.64	30	25.65	Dec. 5	26.46
Apr. 2	29.22	July 3	26.09	Oct. 2	25.98		

2088. (C) City of Wichita. NW cor. NW¼ NW¼ sec. 22, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 37 feet. Well located in dry creek bed. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 3.90 below lsd, Apr. 28, 1944; lowest 25.99 below lsd, Mar. 1, 1957. Records available: 1944-46, 1949-57.

Mar. 1	25.99	May 1	25.04	June 27	15.27	Oct. 2	22.60
Apr. 2	25.30	31	19.88	Aug. 1	20.53		



3001. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 30, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 19.12 below lsd, Sept. 30, 1955; lowest 30.12 below lsd, Aug. 31, 1956. Records available: 1951-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.88	May 1	29.15	Aug. 1	29.54	Nov. 1	28.91
Mar. 1	29.68	31	28.93	30	28.68	Dec. 5	28.73
Apr. 2	29.82	July 1	29.25	Oct. 2	28.27		

3002. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 20 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.38 below lsd, Oct. 1, 1956. Records available: 1950-57.

Jan. 31	10.42	May 1	10.39	Aug. 1	6.78	Nov. 1	7.41
Mar. 1	10.53	31	7.42	30	7.12	Dec. 5	7.31
Apr. 2	10.58	July 1	6.42	Oct. 2	7.24		

3003. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 32, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 20 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 0.67 below lsd, July 9, 1951; lowest 15.97 below lsd, July 1, 1957. Records available: 1950-57. Apr. 2, 10.18; May 31, 7.27; July 1, 15.97; Oct. 2, 6.17; Dec. 5, 6.47.

3005. (C) Sally McFarland and others. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 28, T. 23 S., R. 2 W. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 41.32 below lsd, Jan. 3, 1952; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-57.

Jan. 31	49.55	May 1	46.89	Aug. 1	54.08	Nov. 1	51.56
Mar. 1	48.87	31	48.81	30	47.49	Dec. 5	46.44
Apr. 2	47.83	July 1	44.77	Oct. 2	44.85		

3031. (C) City of Wichita. NE cor. sec. 24, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches. 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: 1950-57.

Jan. 31	20.99	May 1	20.46	Aug. 1	17.94	Nov. 1	18.60
Mar. 1	21.09	31	18.90	30	18.21	Dec. 5	18.77
Apr. 2	21.10	July 1	18.02	Oct. 2	18.40		

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

1¼ inches, depth 48 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 13.03 below lsd, Nov. 7, 1951; lowest 28.75 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1950-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	28.72	May 31	27.84	Aug. 31	26.95	Nov. 1	26.93
Mar. 1	28.75	July 1	27.35	Oct. 2	26.87	Dec. 5	27.02
Apr. 2	28.75	Aug. 1	26.80				

3033. (C) City of Wichita. SW cor. sec. 2, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.77 below lsd, Aug. 1, 1951; lowest 31.69 below lsd, May 1, 1957. Records available: 1950-57.

Jan. 31	29.00	May 1	31.69	Aug. 1	26.93	Nov. 1	26.40
Mar. 1	29.31	31	27.35	30	27.59	Dec. 5	25.95
Apr. 2	28.75	July 1	25.77	Oct. 2	26.34		

3035. (C) City of Wichita. SE¼ SE¼ sec. 34, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 8.16 below lsd, Nov. 1, 1950; lowest 20.77 below lsd, Apr. 2, 1957. Records available: 1950-57. Apr. 2, 20.77; May 31, 19.35; July 1, 18.98; Oct. 2, 18.38.

3036. (C) City of Wichita. SE¼ SW¼ SE¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 34.17 below lsd, Apr. 2, 1957. Records available: 1950-57.

Jan. 31	33.20	May 1	32.51	Aug. 1	31.03	Nov. 1	31.07
Mar. 1	33.18	31	31.35	30	30.72	Dec. 5	31.00
Apr. 2	34.17	July 1	30.99	Oct. 2	30.68		

3037. (C) City of Wichita. NE¼ NW¼ NE¼ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 70 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 38.38 below lsd, Jan. 2, 1951; lowest 53.19 below lsd, Aug. 1, 1957. Records available: 1950-57.

Jan. 31	49.67	May 1	48.03	Aug. 1	53.19	Nov. 1	51.80
Mar. 1	49.05	31	50.25	30	49.94	Dec. 5	48.08
Apr. 2	48.53	July 1	49.76	Oct. 2	46.47		

3038. (C) Sally McFarland and others. SE¼ SW¼ SW¼ 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: 1950-57. Apr. 2, 46.85; May 31, 47.62; July 1, 45.49; Oct. 2, 45.00.

3039. (C) George Lehman. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 34, T. 23 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 0.10 above lsd, Sept. 7, 1951; lowest 18.66 below lsd, Aug. 31, 1956. Records available: 1950-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	18.00	May 1	16.40	Aug. 1	13.92	Nov. 1	14.83
Mar. 1	18.23	31	13.49	Oct. 2	14.61	Dec. 5	14.35
Apr. 2	17.31	July 1	10.86				

\*\* M-1. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 222 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 18.56 below lsd, Apr. 13, 1939; lowest 107.00 below lsd, July 1, 1957. Records available: 1939-57.

Jan. 31	98.00	May 1	36.00	Aug. 1	106.00	Nov. 1	106.00
Mar. 1	99.00	31	35.21	Sept. 2	106.00	Dec. 5	46.00
Apr. 1	37.00	July 1	107.00	Oct. 2	102.00		

M-1a. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 17.47 below lsd, June 3, 1940; lowest 44.02 below lsd, Aug. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	40.69	Apr. 1	35.03	May 31	32.82	Aug. 1	44.02
Mar. 1	42.54	May 1	33.23	July 1	41.00		

M-1b. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 15.94 below lsd, June 3, 1940; lowest 41.72 below lsd, Aug. 1, 1957. Records available: 1939-57.

Jan. 31	38.62	May 1	31.92	Aug. 1	41.72	Nov. 1	37.68
Mar. 1	40.16	31	31.76	Sept. 2	36.85	Dec. 5	31.19
Apr. 1	33.88	July 1	39.03	Oct. 2	29.66		

M-2. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 234 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 18.33 below lsd, May 4, 1939; lowest 168.00 below lsd, Sept. 30, 1955. Records available: 1939-57.

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

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	45.00	May 1	37.50	Aug. 1	48.00	Nov. 1	97.50
Mar. 1	46.00	31	37.00	Sept. 2	43.00	Dec. 5	92.00
Apr. 1	40.00	July 1	45.00	Oct. 2	33.50		

M-2a. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 67 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 17.84 below lsd, June 3, 1940; lowest 45.40 below lsd, Aug. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	40.83	Apr. 1	37.77	May 31	36.36	Aug. 1	45.40
Mar. 1	41.62	May 1	35.70	July 1	42.31		

M-2b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 20.25 below lsd, May 27, 1940; lowest 50.49 below lsd, Aug. 1, 1957. Records available: 1939-57.

Jan. 31	44.07	May 1	42.47	Aug. 1	50.49	Nov. 1	45.27
Mar. 1	44.13	31	42.73	Sept. 2	45.00	Dec. 5	40.00
Apr. 1	43.94	July 1	47.11	Oct. 2	36.65		

M-2c. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Driven and drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 29.35 below lsd, Feb. 28, 1951; lowest 45.20 below lsd, Aug. 1, 1956. Records available: 1946-56. No measurement made in 1957.

M-3. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 234 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 23.12 below lsd, May 27, 1940; lowest 106.00 below lsd, Aug. 1, 1957. Records available: 1939-57.

Jan. 31	51.00	May 1	102.00	Aug. 1	106.00	Nov. 1	54.00
Mar. 1	50.00	31	52.00	Sept. 2	104.00	Dec. 5	48.00
Apr. 1	102.00	July 1	105.00	Oct. 2	41.00		

M-3a. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 22.87 below lsd, May 27, 1940; lowest 56.91 below lsd, Aug. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	48.14	Apr. 1	50.07	May 31	49.00	Aug. 1	56.91
Mar. 1	47.99	May 1	49.52	July 1	52.96		

M-3b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 30, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 23.91 below lsd, May 27, 1940; lowest 56.09 below lsd, Aug. 1, 1957. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	48.30	May 1	49.39	Aug. 1	56.09	Nov. 1	51.02
Mar. 1	48.21	31	49.00	Sept. 2	51.81	Dec. 5	44.92
Apr. 1	49.89	July 1	52.60	Oct. 2	41.26		

M-4. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 238 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 23.20 below lsd, May 8, 1939; lowest 126.50 below lsd, Aug. 2, 1954. Records available: 1939-57.

Jan. 31	49.00	May 1	46.50	Aug. 1	107.00	Nov. 1	107.00
Mar. 1	48.00	31	109.00	Sept. 2	49.00	Dec. 5	46.00
Apr. 1	48.00	July 1	48.00	Oct. 2	41.00		

M-4a. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 19.93 below lsd, May 27, 1940; lowest 57.79 below lsd, Aug. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	45.76	Apr. 1	45.70	May 31	52.08	Aug. 1	57.79
Mar. 1	45.32	May 1	44.52	July 1	47.77		

M-4b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 97 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.13 below lsd, May 27, 1940; lowest 61.88 below lsd, Aug. 1, 1957. Records available: 1939-57.

Jan. 31	49.52	May 1	48.82	Aug. 1	61.88	Nov. 1	56.36
Mar. 1	49.20	31	55.83	Sept. 2	50.55	Dec. 5	45.51
Apr. 1	49.65	July 1	51.88	Oct. 2	42.12		

M-5. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 237 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 20.33 below lsd, May 16, 1939; lowest 150.00 below lsd, Mar. 1, 1955. Records available: 1939-57.

Jan. 31	113.00	May 1	117.00	Aug. 1	116.00	Nov. 1	47.00
Mar. 1	113.50	31	117.00	Sept. 2	116.00	Dec. 5	42.50
Apr. 1	112.00	July 1	116.00	Oct. 2	40.00		

M-5a. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 17.79 below lsd, June 3, 1940; lowest 42.06 below lsd, Sept. 30, 1949. Records available: 1939-57. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	38.62	Apr. 1	38.65	May 31	38.71	Aug. 1	39.87
Mar. 1	38.61	May 1	38.32	July 1	39.30		

M-5b. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 59 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.82 below lsd, May 27, 1940; lowest 43.00 below lsd, Feb. 27, 1947. Records available: 1939-57.

Jan. 31	38.46	May 1	38.21	Aug. 1	39.57	Nov. 1	39.62
Mar. 1	38.43	31	38.54	Sept. 2	39.53	Dec. 5	39.12
Apr. 1	38.50	July 1	39.09	Oct. 2	38.27		

M-6. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 257 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.10 below lsd, Apr. 2, 1951; lowest 117.50 below lsd, Dec. 5, 1957. Records available: 1939-57.

Jan. 31	45.00	May 1	37.00	Aug. 1	43.00	Nov. 1	116.50
Mar. 1	38.00	31	37.00	Sept. 2	116.00	Dec. 5	117.50
Apr. 1	37.00	July 1	43.00	Oct. 2	114.00		

M-6a. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.63 below lsd, June 3, 1940; lowest 41.68 below lsd, Sept. 30, 1955. Records available: 1939-57. Measurement discontinued.

Jan. 31	39.99	Apr. 1	40.00	May 31	40.05	Aug. 1	40.97
Mar. 1	39.97	May 1	39.75	July 1	40.62		

M-6b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.46 below lsd, June 3, 1940; lowest 41.55 below lsd, July 31, 1953. Records available: 1939-57.

Jan. 31	39.64	May 1	39.39	Aug. 1	40.57	Nov. 1	41.20
Mar. 1	39.61	31	39.67	Sept. 2	40.84	Dec. 5	40.49
Apr. 1	39.69	July 1	40.25	Oct. 2	40.02		

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

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	39.43	May 1	37.32	Aug. 1	100.00	Nov. 1	102.00
Mar. 1	39.35	31	43.92	Sept. 2	101.00	Dec. 5	100.00
Apr. 1	39.50	July 1	98.00	Oct. 2	94.00		

M-7a. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 14.72 below lsd, June 3, 1940; lowest 41.08 below lsd, Sept. 30, 1950. Records available: 1939-57. Measurement discontinued.

Jan. 31	37.59	Apr. 1	37.73	May 31	37.62	Aug. 1	38.30
Mar. 1	37.45	May 1	37.55	July 1	38.05		

M-7b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 6, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 54 feet. Measuring point, top of pipe, 3.87 feet above lsd since Oct. 10, 1957. Highest water level 13.30 below lsd, June 3, 1940; lowest 40.51 below lsd, Dec. 5, 1957. Records available: 1939-57.

Jan. 31	35.98	May 1	35.88	Aug. 1	36.82	Nov. 1	37.52
Mar. 1	35.84	31	35.99	Sept. 2	37.18	Dec. 5	40.51
Apr. 1	36.07	July 1	36.52	Oct. 2	34.08		

M-8. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 248 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.82 below lsd, May 27, 1940; lowest 88.00 below lsd, Aug. 31, 1956. Records available: 1939-57.

Jan. 31	81.00	May 1	39.00	Aug. 1	38.00	Nov. 1	40.00
Mar. 1	80.50	31	82.00	Sept. 2	40.00	Dec. 5	80.50
Apr. 1	80.50	July 1	38.00	Oct. 2	80.00		

M-8a. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 10.40 below lsd, May 27, 1940; lowest 38.03 below lsd, Nov. 30, 1956. Records available: 1939-57. Measurement discontinued.

Jan. 31	37.73	Apr. 1	37.99	May 31	37.63	Aug. 1	36.84
Mar. 1	37.56	May 1	37.06	July 1	36.67		

M-8b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 9.12 below lsd, May 27, 1940; lowest 36.65 below lsd, Nov. 30, 1956. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	36.33	May 1	36.07	Aug. 1	35.80	Nov. 1	36.10
Mar. 1	36.19	31	33.95	Sept. 2	36.54	Dec. 5	36.05
Apr. 1	36.56	July 1	35.62	Oct. 2	35.96		

M-9. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 228 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.11 below lsd, May 27, 1940; lowest 77.50 below lsd, Mar. 1, 1956. Records available: 1939-57.

Jan. 31	68.00	May 1	68.00	Aug. 1	68.00	Nov. 1	68.50
Mar. 1	68.00	31	34.00	Sept. 2	68.00	Dec. 5	68.00
Apr. 1	67.00	July 1	67.00	Oct. 2	68.00		

M-9a. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.38 below lsd, May 27, 1940; lowest 35.92 below lsd, Sept. 1, 1955. Records available: 1939-57. Measurement discontinued.

Jan. 31	35.05	Apr. 1	34.82	May 31	32.95	Aug. 1	34.85
Mar. 1	34.82	May 1	35.33	July 1	33.85		

M-9b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.67 below lsd, May 27, 1940; lowest 36.33 below lsd, Nov. 30, 1956. Records available: 1939-57.

Jan. 31	35.96	May 1	36.15	Aug. 1	35.73	Nov. 1	35.20
Mar. 1	35.80	31	35.13	Sept. 2	35.72	Dec. 5	35.15
Apr. 1	35.91	July 1	35.11	Oct. 2	34.82		

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

Jan. 31	39.94	May 1	40.26	Sept. 2	93.00	Nov. 1	94.00
Mar. 1	39.99	Aug. 1	45.00	Oct. 2	42.00	Dec. 5	95.00
Apr. 1	30.34						



M-10a. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 11.24 below lsd, May 27, 1940; lowest 41.42 below lsd, Sept. 1, 1953. Records available: 1939-57. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	39.15	Apr. 1	39.57	May 31	39.48	Aug. 1	39.46
Mar. 1	39.15	May 1	39.55	July 1	39.32		

M-10b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 10.44 below lsd, May 27, 1940; lowest 39.44 below lsd, Sept. 2, 1957. Records available: 1939-57.

Jan. 31	37.72	May 1	37.96	Aug. 1	37.85	Nov. 1	39.02
Mar. 1	37.63	31	37.90	Sept. 2	39.44	Dec. 5	38.65
Apr. 1	38.09	July 1	37.80	Oct. 2	38.86		

M-11. (C) City of Wichita. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 248 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.74 below lsd, May 27, 1940; lowest 92.00 below lsd, Sept. 30, 1955. Records available: 1939-57.

Jan. 31	40.00	May 1	88.50	Aug. 1	86.00	Nov. 1	88.00
Mar. 1	87.00	31	90.00	Sept. 2	42.00	Dec. 5	87.50
Apr. 1	87.00	July 1	88.00	Oct. 2	88.50		

M-11a. (C) City of Wichita. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 9.28 below lsd, May 27, 1940; lowest 41.02 below lsd, May 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	38.46	Apr. 1	39.82	May 31	39.58	Aug. 1	39.53
Mar. 1	39.13	May 1	41.02	July 1	39.36		

M-11b. (C) City of Wichita. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot below lsd. Highest water level 8.49 below lsd, May 27, 1940; lowest 41.20 below lsd, Oct. 1, 1956. Records available: 1939-57.

Jan. 31	39.18	May 1	40.46	Aug. 1	39.97	Nov. 1	39.50
Mar. 1	39.49	31	40.02	Sept. 2	40.15	Dec. 5	39.42
Apr. 1	40.29	July 1	39.81	Oct. 2	39.77		

M-12. (C) City of Wichita. NW¼ SW¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 11.41 below lsd, Aug. 21, 1939; lowest 103.00 below lsd, May 31, Sept. 2, 1957. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	101.00	May 1	101.00	Aug. 1	100.00	Nov. 1	100.00
Mar. 1	102.00	31	103.00	Sept. 2	103.00	Dec. 5	98.00
Apr. 1	99.00	July 1	100.00	Oct. 2	40.00		

M-12a. (C) City of Wichita. NW¼ SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.73 below lsd, May 27, 1940; lowest 46.59 below lsd, Aug. 1, 1956. Records available: 1939-57. Measurement discontinued.

Jan. 31	44.74	Apr. 1	43.20	May 31	44.63	Aug. 1	45.01
Mar. 1	45.76	May 1	45.15	July 1	44.34		

M-12b. (C) City of Wichita. NW¼ SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 47.33 below lsd, Aug. 1, 1956. Records available: 1939-57.

Jan. 31	45.51	May 1	45.93	Aug. 1	45.92	Nov. 1	36.80
Mar. 1	46.48	31	45.38	Sept. 2	46.26	Dec. 5	45.05
Apr. 1	44.22	July 1	45.32	Oct. 2	39.85		

M-13. (C) City of Wichita. NW¼ NE¼ sec. 17, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 245 feet, cased to 188. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 73.50 below lsd, May 1, 1957. Records available: 1939-57.

Jan. 31	72.00	May 1	73.50	Aug. 1	71.00	Nov. 1	36.00
Mar. 1	73.00	31	36.00	Sept. 2	70.00	Dec. 5	36.00
Apr. 1	73.00	July 1	70.00	Oct. 2	69.50		

M-13a. (C) City of Wichita. NW¼ NE¼ sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.89 below lsd, May 27, 1940; lowest 38.30 below lsd, Aug. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	36.73	Apr. 1	37.03	May 31	35.75	Aug. 1	38.30
Mar. 1	36.58	May 1	37.15	July 1	36.40		

M-13b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.63 below lsd, May 27, 1940; lowest 37.56 below lsd, Aug. 31, 1956. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	36.72	May 1	37.13	Aug. 1	36.55	Nov. 1	35.85
Mar. 1	36.55	31	36.50	Sept. 2	36.69	Dec. 5	35.56
Apr. 1	36.87	July 1	36.50	Oct. 2	36.05		

M-14. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 102 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.07 below lsd, May 27, 1940; lowest 59.08 below lsd, Jan. 5, 1949. Records available: 1939-57.

Jan. 31	38.00	May 1	50.00	Aug. 1	38.50	Nov. 1	38.00
Mar. 1	39.00	31	38.00	Sept. 2	42.00	Dec. 5	37.00
Apr. 1	38.00	July 1	38.50	Oct. 2	39.00		

M-14a. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 50 feet, cased to 47. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.31 below lsd, Apr. 4, 1939; lowest 45.20 below lsd, Aug. 1, 1956. Records available: 1939-57. Measurement discontinued.

Jan. 31	37.37	Apr. 1	37.23	May 31	37.45	Aug. 1	37.65
Mar. 1	37.83	May 1	42.18	July 1	39.86		

M-14b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 42.42 below lsd, Aug. 31, 1956. Records available: 1939-57.

Jan. 31	37.38	May 1	40.09	Aug. 1	37.72	Nov. 1	36.68
Mar. 1	37.81	31	37.58	Sept. 2	39.96	Dec. 5	35.50
Apr. 1	37.30	July 1	38.11	Oct. 2	37.22		

M-15. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 122 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 11.03 below lsd, June 13, 1939; lowest 68.00 below lsd, May 1, 1957. Records available: 1939-57.

Jan. 31	67.00	May 1	68.00	Aug. 1	56.00	Nov. 1	60.00
Mar. 1	67.00	31	66.00	Sept. 2	52.00	Dec. 5	58.00
Apr. 1	66.00	July 1	66.00	Oct. 2	48.00		

M-15a. (C) City of Wichita. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 11.20 below lsd, Aug. 21, 1939; lowest 41.94 below lsd, Mar. 1, 1957. Records available: 1939-57. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	41.08	Apr. 1	40.60	May 31	39.94	Aug. 1	39.15
Mar. 1	41.94	May 1	41.35	July 1	39.47		

M-15b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 11.24 below lsd, Aug. 21, 1939; lowest 40.12 below lsd, Mar. 1, 1957. Records available: 1939-57.

Jan. 31	39.25	May 1	39.62	Aug. 1	37.59	Nov. 1	38.76
Mar. 1	40.12	31	38.44	Sept. 2	38.10	Dec. 5	38.85
Apr. 1	39.15	July 1	37.96	Oct. 2	37.27		

M-16. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.92 below lsd, Apr. 17, 1939; lowest 105.50 below lsd, June 1, 1955. Records available: 1939-57.

Jan. 31	43.00	May 1	71.00	Aug. 1	72.00	Nov. 1	72.00
Mar. 1	74.00	31	41.00	Sept. 2	72.00	Dec. 5	40.00
Apr. 1	41.00	July 2	38.00	Oct. 2	39.00		

M-16a. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 67 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 12.49 below lsd, May 27, 1940; lowest 47.28 below lsd, Aug. 1, 1956. Records available: 1939-57. Measurement discontinued.

Jan. 31	41.08	Apr. 1	39.80	May 31	40.64	Aug. 1	44.86
Mar. 1	46.30	May 1	43.92	July 1	37.10		

M-16b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 13.45 below lsd, May 27, 1940; lowest 47.30 below lsd, Aug. 1, 1956. Records available: 1939-57.

Jan. 31	41.75	May 1	44.09	Aug. 1	45.08	Nov. 1	43.64
Mar. 1	46.41	31	41.14	Sept. 2	45.07	Dec. 5	38.68
Apr. 1	40.42	July 2	37.86	Oct. 2	38.81		

M-17. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.71 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Jan. 31, Mar. 1, 1957. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	89.00	May 1	40.00	Aug. 1	83.00	Nov. 1	37.00
Mar. 1	89.00	31	39.00	Sept. 2	82.00	Dec. 5	84.50
Apr. 1	88.00	July 2	34.00	Oct. 2	34.00		

M-17a. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.93 below lsd, Aug. 21, 1939; lowest 43.43 below lsd, Mar. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	41.67	Apr. 1	41.32	May 31	37.95	Aug. 1	41.33
Mar. 1	43.43	May 1	39.44	July 1	36.38		

M-17b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 56 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.02 below lsd, May 27, 1940; lowest 38.28 below lsd, May 31, 1957. Records available: 1939-57.

Jan. 31	38.01	May 1	38.21	Aug. 1	37.91	Nov. 1	37.51
Mar. 1	38.02	31	38.28	Sept. 2	37.00	Dec. 5	37.72
Apr. 1	38.20	July 2	38.09	Oct. 2	37.70		

M-18. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 186 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 6.58 below lsd, Aug. 21, 1939; lowest 68.00 below lsd, Oct. 1, 1954. Records available: 1939-57.

Jan. 31	33.00	May 1	65.00	Aug. 1	64.00	Nov. 1	31.00
Mar. 1	67.00	31	65.00	Sept. 2	64.00	Dec. 5	62.50
Apr. 1	33.00	July 2	64.00	Oct. 2	30.00		

M-18a. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 5.66 below lsd, Aug. 21, 1939; lowest 42.78 below lsd, Mar. 1, 1956. Records available: 1939-57. Measurement discontinued.

Jan. 31	31.36	Apr. 1	31.52	May 31	28.43	Aug. 1	27.72
Mar. 1	32.23	May 1	31.75	July 1	27.89		

M-18b. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.01 below lsd, Aug. 21, 1939; lowest 35.48 below lsd, Mar. 1, 1956. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.96	May 1	30.33	Aug. 1	26.62	Nov. 1	28.80
Mar. 1	30.68	31	27.68	Sept. 2	27.50	Dec. 5	28.14
Apr. 1	30.55	July 2	27.16	Oct. 2	27.54		

M-19. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 158 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.00 below lsd, Aug. 21, 1939; lowest 71.00 below lsd, Oct. 1, 1956. Records available: 1939-57.

Jan. 31	68.00	May 1	69.00	Aug. 1	66.00	Nov. 1	66.00
Mar. 1	70.00	31	34.00	Sept. 2	68.00	Dec. 5	65.00
Apr. 1	68.00	July 2	65.00	Oct. 2	63.00		

M-19a. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 72 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 9.62 below lsd, Aug. 21, 1939; lowest 44.99 below lsd, Mar. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	42.15	Apr. 1	41.75	May 31	32.62	Aug. 1	40.18
Mar. 1	44.99	May 1	42.15	July 1	39.93		

M-19b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 9.38 below lsd, Aug. 21, 1939; lowest 37.58 below lsd, May 1, 1957. Records available: 1939-57.

Jan. 31	37.33	May 1	37.58	Aug. 1	35.61	Nov. 1	35.66
Mar. 1	37.55	31	32.16	Sept. 2	35.44	Dec. 5	35.60
Apr. 1	37.10	July 2	35.76	Oct. 2	34.84		

M-20. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 27, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.82 below lsd, Aug. 21, 1939; lowest 88.00 below lsd, Mar. 1, 1956. Records available: 1939-57.

Jan. 31	64.00	May 1	64.50	Aug. 1	64.50	Nov. 1	34.00
Mar. 1	36.00	31	64.00	Sept. 2	64.00	Dec. 5	63.00
Apr. 1	64.00	July 2	63.00	Oct. 2	34.00		

M-20a. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 27, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 13.11 below lsd, Aug. 21, 1939; lowest 39.75 below lsd, May 1, 1957. Records available: 1939-57. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	38.50	Apr. 1	39.49	May 31	38.92	Aug. 1	38.27
Mar. 1	36.29	May 1	39.75	July 1	38.60		

M-20b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 27, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.47 below lsd, Aug. 21, 1939; lowest 35.86 below lsd, Mar. 1, 1956. Records available: 1939-57.

Jan. 31	34.74	May 1	35.73	Aug. 1	34.16	Nov. 1	33.85
Mar. 1	34.93	31	35.22	Sept. 2	32.09	Dec. 5	34.08
Apr. 1	35.51	July 2	34.67	Oct. 2	34.01		

M-21. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 54.00 below lsd, Sept. 1, Oct. 1, 1954. Records available: 1939-57.

Jan. 31	32.00	May 1	46.00	Aug. 1	32.00	Nov. 1	31.50
Mar. 1	32.00	31	32.00	Sept. 2	32.00	Dec. 5	31.00
Apr. 1	33.00	July 1	31.50	Oct. 2	31.50		

M-21a. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.50 below lsd, Aug. 21, 1939; lowest 34.02 below lsd, Dec. 1, 1953. Records available: 1939-57. Measurement discontinued.

Jan. 31	31.07	Apr. 1	32.17	May 31	31.41	Aug. 1	31.05
Mar. 1	30.83	May 1	33.23	July 1	31.22		

M-21b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.08 below lsd, Aug. 21, 1939; lowest 31.65 below lsd, May 1, 1957. Records available: 1939-57.

Jan. 31	30.66	May 1	31.65	Aug. 1	30.64	Nov. 1	29.71
Mar. 1	30.45	31	31.01	Sept. 2	28.70	Dec. 5	30.02
Apr. 1	31.46	July 2	30.76	Oct. 2	30.45		

M-22. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 82 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, Aug. 21, 1939; lowest 66.00 below lsd, May 2, Sept. 1, 1955. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	57.00	May 1	34.00	Aug. 1	60.00	Nov. 1	59.00
Mar. 1	60.00	31	57.00	Sept. 2	63.00	Dec. 5	58.00
Apr. 1	59.00	July 2	57.00	Oct. 2	59.50		

M-22a. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.49 below lsd, Aug. 21, 1939; lowest 36.50 below lsd, Mar. 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	35.48	Apr. 1	36.10	May 31	36.22	Aug. 1	36.47
Mar. 1	36.50	May 1	32.35	July 1	36.22		

M-22b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 50 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 9.28 below lsd, Aug. 21, 1939; lowest 34.04 below lsd, Aug. 1, 1957. Records available: 1939-57.

Jan. 31	33.45	May 1	33.11	Aug. 1	34.04	Nov. 1	33.81
Mar. 1	34.02	31	33.92	Sept. 2	32.39	Dec. 5	33.00
Apr. 1	33.35	July 2	33.87	Oct. 2	33.65		

M-23. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 205 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.85 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Mar. 31, 1952. Records available: 1939-57.

Jan. 31	74.00	May 1	71.00	Aug. 1	72.50	Nov. 1	34.00
Mar. 1	76.00	31	67.00	Sept. 2	71.50	Dec. 5	70.50
Apr. 1	76.00	July 2	66.00	Oct. 2	68.00		

M-23a. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 32.59 below lsd, May 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	32.09	Apr. 1	32.48	May 31	32.24	Aug. 1	32.07
Mar. 1	32.30	May 1	32.59	July 1	32.00		



M-23b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.50 below lsd, Aug. 21, 1939; lowest 32.71 below lsd, May 1, 1957. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	32.20	May 1	32.71	Aug. 1	32.25	Nov. 1	31.41
Mar. 1	32.36	31	32.33	Sept. 2	32.29	Dec. 5	31.70
Apr. 1	32.66	July 2	31.80	Oct. 2	32.10		

M-24. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 97 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.71 below lsd, Aug. 21, 1939; lowest 64.50 below lsd, Mar. 1, 1957. Records available: 1939-57.

Jan. 31	33.00	May 1	63.00	Aug. 1	62.00	Nov. 1	62.00
Mar. 1	64.50	31	33.00	Sept. 2	63.00	Dec. 5	61.50
Apr. 1	35.00	July 2	32.00	Oct. 2	34.00		

M-24a. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 54 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.88 below lsd, Aug. 21, 1939; lowest 38.01 below lsd, May 1, 1957. Records available: 1939-57. Measurement discontinued.

Jan. 31	33.06	Apr. 1	35.18	May 31	33.38	Aug. 1	37.92
Mar. 1	37.66	May 1	38.01	July 2	33.06		

M-24b. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.17 below lsd, Aug. 28, 1939; lowest 37.05 below lsd, May 1, 1957. Records available: 1939-57.

Jan. 31	35.13	May 1	37.05	Aug. 1	36.87	Nov. 1	36.10
Mar. 1	36.66	31	35.43	Sept. 2	36.69	Dec. 5	34.89
Apr. 1	36.72	July 2	35.09	Oct. 2	36.25		

M-25. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 36, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 189 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 59.76 below lsd, Oct. 1, 1953. Records available: 1939-57.

Jan. 31	54.00	May 1	30.00	Aug. 1	52.50	Nov. 11	28.50
Mar. 1	30.00	31	52.00	Sept. 2	52.00	Dec. 5	28.24
Apr. 1	56.00	July 2	47.00	Oct. 2	50.00		

M-25a. (C) City of Wichita. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 36, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 50 feet, cased to 47. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 5.31 below lsd, Aug. 21, 1939; lowest 30.15 below lsd, Apr. 1, 1957. Records available: 1939-57. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.74	Apr. 1	30.15	May 31	30.09	Aug. 1	29.52
Mar. 1	29.13	May 1	29.52	July 2	29.41		

M-26. (C) City of Wichita. SW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 195 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 91.00 below lsd, May 2, 1955. Records available: 1949-57.

Jan. 31	73.00	May 1	73.00	Aug. 1	72.00	Nov. 1	30.00
Mar. 1	73.00	31	69.00	Sept. 2	74.00	Dec. 5	72.50
Apr. 1	73.00	July 1	67.00	Oct. 2	29.50		

M-26a. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 81 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 15.99 below lsd, Nov. 30, 1949; lowest 33.91 below lsd, Jan. 31, 1957. Records available: 1949-57. Measurement discontinued.

Jan. 31	33.91	Apr. 1	33.40	May 31	28.41	Aug. 1	29.52
Mar. 1	33.34	May 1	32.66	July 2	27.86		

M-26b. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 79 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 11.62 below lsd, July 7, 1948; lowest 31.14 below lsd, Apr. 1, 1957. Records available: 1947-57.

Jan. 31	30.61	May 1	30.49	Aug. 1	26.53	Nov. 1	28.75
Mar. 1	30.97	31	26.83	Sept. 2	27.45	Dec. 5	28.42
Apr. 1	31.14	July 2	26.45	Oct. 2	27.55		

#### HASKELL COUNTY

10. (C) Elie Stoops. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 33, T. 30 S., R. 34 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 10 inches, depth 61 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 45.40 below lsd. Oct. 12, 1950; lowest 51.74 below lsd, Mar. 18, 1948. Records available. 1941-57.

Apr. 17	48.71	July 8	47.80	Oct. 7	47.75	Nov. 6	48.16
June 6	47.93						

12. (C) Sybol Smith. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 11, T. 30 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 198 feet. Measuring point, top of well cover, 0.40 foot above lsd. Highest water level 179.40 below lsd, Nov. 3, 1941; lowest 187.64 below lsd, Aug. 16, 1941. Records available: 1941-52, 1956-57. Feb. 20, 187.15; May 20, 183.83; Aug. 7, 184.13; Nov. 6, 186.40.

28-32-25cb. (C) Owner unknown. Drilled unused well in Ogallala Formation, diameter 4 inches, depth 200 feet. Measuring point, top north side of metal cover, 0.20 foot above lsd. Highest water level 182.50 below lsd, Aug. 7, 1957; lowest 183.89 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 183.89; May 20, 182.55; Aug. 7, 182.50; Nov. 6, 182.57.

28-33-22cd. (C) J. C. Barbee. Drilled abandoned stock well in Ogallala Formation, diameter 4 inches, depth 233 feet. Measuring point, top of steel plate, through hole in southwest side, 1.30 feet above lsd. Highest water level 214.78 below lsd, Nov. 13, 1956; lowest 216.25 below lsd, Nov. 6, 1957. Records available: 1956-57. May 20, 215.57; Aug. 7, 215.68; Nov. 6, 216.25.

29-32-26cb. (C) D. E. McClure. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 205 feet. Measuring point, top of wooden pipe clamp, west side, 1.55 feet above lsd. Highest water level 190.01 below lsd, Aug. 10, 1953; lowest 198.16 below lsd, Aug. 7, 1957. Records available: 1941, 1952-57. Feb. 20, 196.51; May 20, 194.47; Aug. 7, 198.16; Nov. 6, 196.19.

#### HODGEMAN COUNTY

3. (C) C. A. Bradley. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 21 S., R. 22 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 60 to 20 inches, depth 76 feet. Measuring point, top south side of concrete curb, 1.00 foot above lsd. Highest water level 23.84 below lsd, Oct. 24, 1951; lowest 39.74 below lsd, Oct. 24, 1956. Records available: 1940-57. Jan. 23, 39.09; Apr. 11, 39.49; July 17, 36.79; Oct. 10, 36.94.

24-26-35cb. (C) A. C. Jemes. Drilled stock water-table well in Ogallala Formation, diameter 5 $\frac{1}{2}$  inches, depth 90 feet. Measuring point, top north side of casing, 0.50 foot above lsd. Highest water level 64.36 below lsd, Oct. 11, 1954; lowest 65.29 below lsd, Oct. 22, 1956. Records available: 1954-57. Jan. 21, 64.70; Apr. 22, 64.86; July 15, 64.87; Oct. 8, 64.90.

#### JACKSON COUNTY

5-15-22db. (C) Fred Bergman Estate. Drilled domestic water-table well in glacial sand and gravel, diameter 12 inches, depth 32 feet, tile casing. Measuring point, top edge of casing, 1.20 feet above lsd. Highest water level 12.83 below lsd, Sept. 27, 1951; lowest dry, Apr. 13, 1957. Records available: 1948-52, 1957. Apr. 13, dry. Measurement discontinued.

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

9-15-23dcb. (C) B. F. Albright. Dug unused water-table well in glacial sand and gravel, diameter 20 inches, depth 16 feet, cribbed with brick. Measuring point, top east side of hole in concrete platform, 0.70 foot above

lsd. Highest water level 2.84 below lsd, Sept. 27, 1951; lowest 15.04 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. Apr. 13, 9.64.

## JEFFERSON COUNTY

11-19-27bcc. (C) Buck Creek School. Dug public-supply water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 33 feet, cribbed with rock. Measuring point, top east side of concrete curb, 0.20 foot above lsd. Highest water level 19.77 below lsd, Aug. 1, 1951; lowest dry, Apr. 13, 1957. Records available: 1948-52, 1956-57. Apr. 13, dry. Measurement discontinued.

## JEWELL COUNTY

12. (C) M. W. Howe. Lot 4, sec. 30, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara Formation, diameter 36 inches, depth 88 feet, cribbed with brick. Measuring point, top of wooden platform, 1.30 feet above lsd. Highest water level 39.14 below lsd, July 24, 1951; lowest 77.79 below lsd, June 8, 1938. Records available: 1934-55, 1957. Nov. 26, 65.46.

22. (C) Meyer Miles. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 10, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 20 inches, depth 48 feet, tile casing. Measuring point, top of square wooden platform, 3.00 feet above lsd. Highest water level 7.79 below lsd, July 24, 1951; lowest 25.68 below lsd, Aug. 10, 1934. Records available: 1934-54. Measurement discontinued.

34. (C) Glen Kindler. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 3 S., R. 10 W. Dug unused water-table well in alluvium and colluvium, diameter 4 feet, depth 36 feet, cribbed with rock. Measuring point, top of wooden platform, 1.20 feet above lsd. Highest water level 5.14 below lsd, July 24, 1951; lowest 33.92 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-54. Measurement discontinued.

41. (C) Walter Dietz. Lot 16, sec. 6, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium and colluvium, diameter 8 inches, depth 31 feet, tile casing. Measuring point, top of wooden platform, 1.30 feet above lsd. Highest water level 8.40 below lsd, July 23, 1951; lowest 27.38 below lsd, May 23, 1941. Records available: 1934-44, 1946-54. Measurement discontinued.

44. (C) Cleo Gimple. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 13, T. 4 S., R. 9 W. Drilled stock water-table well in alluvium, diameter 6 inches, depth 37 feet, tile casing. Measuring point, top of casing, 1.50 feet above lsd. Highest water level 5.00 below lsd, Aug. 2, 1944; lowest 24.03 below lsd, May 9, 1935. Records available: 1934-44, 1946-54. Measurement discontinued.

45. (C) Victor Yapp. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 24, T. 4 S., R. 10 W. Drilled unused water-table well in alluvium and colluvium, diameter 12 inches, depth 38 feet. Measuring point, top of wooden platform, 0.90 foot above lsd. Highest water level 14.31 below lsd, July 23, 1951; lowest 34.39 below lsd, Dec. 21, 1940. Records available: 1934-55. No measurement made in 1957.

47. (C) Meyer Miles. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 3, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 7 inches, depth 17 feet. Measuring point, top of tile casing, 1.20 feet above lsd. Highest water level 0.67 below lsd, July 24, 1951; lowest 13.84 below lsd, May 9, 1935. Records available: 1934-44, 1946-54. Measurement discontinued.

64. (C) Warren Morgan Co. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 3 S., R. 8 W. Drilled domestic and stock water-table well in Niobrara Formation, diameter 6 inches, depth 84 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 51.37 below lsd, Aug. 28, 1951; lowest 65.90 below lsd, Jan. 19, 1938. Records available: 1935-44, 1946-54. Measurement discontinued.

65. (C) Mrs. B. M. Parkhurst. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 23, T. 3 S., R. 9 W. Dug domestic and stock water-table well in colluvium, diameter 5 feet, depth 42 feet, cribbed with stone. Measuring point, top of plank platform, 1.90 feet above lsd. Highest water level 8.42 below lsd, July 24, 1951; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-55, 1957. Nov. 26, 16.93.

69. (C) Walter Dietz. NW $\frac{1}{4}$  lot 2, sec. 7, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 12 inches, depth 37 feet. Measuring point at land surface. Highest water level 5.85 below lsd, July 23, 1951; lowest 24.50 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-55. No measurement made in 1957.

1-6-5ac. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 15.00 below lsd, Nov. 5, 1957; lowest 17.15 below lsd, Mar. 13, 1957. Records available: 1953-57. Mar. 13, 17.15; July 16, 15.06; Nov. 5, 15.00.

1-6-5cd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 43 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 29.15 below lsd, Nov. 5, 1957; lowest 33.16 below lsd, Mar. 3, 1955. Records available: 1953-57. Mar. 13, 32.23; July 16, 21.94; Nov. 5, 29.15.

1-6-5dd. (MB C) U.S.G.S. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 10.94 below lsd, Aug. 19, 1948; lowest 33.43 below lsd, Sept. 15, Nov. 5, 1954. Records available: 1947-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	30.10	Apr. 24	29.75	July 16	30.07	Nov. 5	27.60
Mar. 13	29.90	June 26	29.10	Sept. 4	23.40		

1-6-6ad. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 11.80 below lsd, Aug. 24, 1955; lowest 15.40 below lsd, Mar. 13, 1957. Records available: 1953-57. Mar. 13, 15.40; July 16, 11.94; Nov. 5, 13.10.

1-6-6bc. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.17 below lsd, Oct. 1, 1950; lowest 10.55 below lsd, Sept. 20, 1955. Records available: 1950-57. Mar. 13, 10.06; July 16, 5.73; Nov. 5, 9.95.

1-6-6cb. (MB) U.S.B.R. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 21 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 7.80 below lsd, July 16, 1957; lowest 11.04

below lsd, May 24, 1956. Records available: 1953-57. Mar. 13, 10.81; July 16, 7.80; Nov. 5, 9.08.

1-6-6cc. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.36 below lsd, Aug. 24, 1955; lowest 28.04 below lsd, June 30, 1950. Records available: 1950-57. Mar. 13, 19.40; July 16, 18.47; Nov. 5, 17.27.

1-6-6da1. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.60 below lsd, Sept. 20, 1955; lowest 19.58 below lsd, Sept. 26, 1956. Records available: 1950-57. Mar. 13, 19.54; July 16, 19.11.

1-6-6da2. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 19.06 below lsd, Nov. 5, 1957; lowest 22.23 below lsd, June 9, 1955. Records available: 1953-57. Mar. 13, 21.75; July 16, 21.78; Nov. 5, 19.06.

1-6-6db. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.22 below lsd, June 23, 1953; lowest 15.13 below lsd, Mar. 13, 1957. Records available: 1953-57. Mar. 13, 15.13; July 16, 13.82; Nov. 5, 13.14.

1-6-6dd. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.94 below lsd, Nov. 5, 1957; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-57. Mar. 13, 26.94; July 16, 25.82; Nov. 5, 23.94.

1-6-11aa. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 0.64 below lsd, July 24, 1951; lowest 5.27 below lsd, Sept. 19, 1956. Records available: 1950-57. Feb. 21, 4.93; Apr. 24, 4.75; measurement discontinued.

1-6-14da. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 80 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 60.63 below lsd, Sept. 1, 1955; lowest 63.95 below lsd, Nov. 7, 1956. Records available: 1955-57. Feb. 21, 63.79; Apr. 24, 63.85; June 26, 63.85; Sept. 4, 63.73.

1-6-23ad. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 50.60 below lsd, Sept. 4, 1957; lowest 56.50 below lsd, Mar. 28, 1956. Records available: 1955-57. Feb. 21, 53.70; Apr. 24, 53.82; June 26, 53.40; Sept. 4, 50.60.

1-6-25bb. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 65 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 45.68 below lsd, Sept. 4, 1957; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-57. Feb. 21, 48.90; Apr. 24, 48.65; June 26, 48.86; Sept. 4, 45.68.

1-6-25bc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 70 feet. Measuring point, top

of pipe, 1.80 feet above lsd. Highest water level 35.82 below lsd, Sept. 4, 1957; lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 38.10; Apr. 24, 38.05; June 26, 38.02; Sept. 4, 35.82.

1-6-25cc. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 31.29 below lsd, Sept. 4, 1957; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 36.65; Apr. 24, 36.80; June 26, 36.70; Sept. 4, 31.29.

1-6-25dd. (MB) U.S.B.R. Drilled observation water-table well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 75 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 30.69 below lsd, Sept. 19, 1956; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56. No measurement made in 1957.

1-6-34ddd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 25.97 below lsd, Sept. 4, 1957; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57. Feb. 21, 34.40; Apr. 24, 33.70; June 26, 35.60; Sept. 4, 25.97.

1-6-35bba. (M) U.S.B.R. Drilled and jetted well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 38.15 below lsd, June 26, 1957; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 39.75; Apr. 24, 39.12; June 26, 38.15; Sept. 4, 38.20.

1-7-1bb. (MB) U.S.G.S. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 16 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.39 below lsd, July 24, 1951; lowest 12.17 below lsd, May 24, 1956. Records available: 1947-57. Mar. 13, 10.90; July 16, 4.85; Nov. 5, 9.79.

1-7-1db. (MB) U.S.B.R. Drilled well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.40 below lsd, July 16, 1957; lowest 10.73 below lsd, Mar. 29, 1954. Records available: 1953-57. Mar. 13, 9.87; July 16, 5.40; Nov. 5, 8.48.

1-7-1dc. (MB) U.S.B.R. Drilled well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 5.32 below lsd, July 16, 1957; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-57. July 16, 5.32; Nov. 5, 5.39.

1-7-2da. (MB) U.S.G.S. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.42 below lsd, July 24, 1951; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-57. Mar. 13, 6.70; Nov. 5, 5.22.

1-7-4ad. (MB) U.S.B.R. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 1.80 below lsd, Feb. 15, 1956; lowest 6.91 below lsd, Aug. 17, 1954. Records available: 1953-57. Mar. 13, 3.37; July 16, 2.55; Nov. 5, 2.64.

1-7-4ba. (MB) U.S.B.R. Driven well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 22 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.70 below lsd, Sept. 26, 1956; lowest 14.20 below lsd, Feb. 3, 1954. Records available: 1953-57. Mar. 13, 12.90; Nov. 5, 9.83.

2-6-2dd. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.30 feet

above lsd. Highest water level 32.70 below lsd, Sept. 4, 1957; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-57. Feb. 21, 37.98; Apr. 24, 37.90; June 26, 37.60; Sept. 4, 32.70.

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 26.80 below lsd, Sept. 4, 1957; lowest 38.45 below lsd, May 3, 1956. Records available: 1955-57. Apr. 24, 37.20; June 26, 37.18; Sept. 4, 26.80.

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, 3.20 feet above lsd. Highest water level 17.38 below lsd, Sept. 3, 1957; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 18.48; Apr. 24, 18.10; June 26, 17.70; Sept. 3, 17.38.

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. Highest water level 28.96 below lsd, Sept. 3, 1957; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-57. Feb. 21, 32.56; Apr. 24, 32.44; June 26, 32.20; Sept. 3, 28.96.

2-6-5cc. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 101 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 37.90 below lsd, Dec. 26, 1957; lowest 44.25 below lsd, May 3, 1956. Records available: 1956-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	40.23	June 26	40.30	Oct. 8	39.06	Dec. 2	38.25
Apr. 24	40.40	Sept. 7	38.17	Nov. 1	38.25	26	37.90

2-6-5dcc. (MB) U.S.B.R. Jetted well in deposits of Pleistocene age, diameter 1¼ inches, depth 92 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 35.15 below lsd, Dec. 26, 1957; lowest 42.74 below lsd, Oct. 20, 1955. Records available: 1955-57.

Feb. 21	38.15	June 26	35.50	Nov. 1	35.73	Dec. 26	35.15
Apr. 24	37.65	Sept. 3	37.00	Dec. 2	35.30		

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 17.02 below lsd, Apr. 24, 1957; lowest dry, Feb. 21, 1957. Records available: 1955-57. Feb. 21, dry; Apr. 24, 17.02; June 26, 18.05; Sept. 3, 18.55.

2-6-8ba. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 59 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 18.40 below lsd, Nov. 8, 1956; lowest 18.74 below lsd, Oct. 20, 1955. Records available: 1955-56. No measurement made in 1957.

2-6-8bb. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 72 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 30.30 below lsd, Feb. 29, 1956; lowest 32.25 below lsd, Oct. 20, 1955. Records available: 1955-57.



Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	31.63	June 26	31.35	Oct. 8	31.93	Dec. 2	31.22
Apr. 24	31.20	Sept. 3	31.69	Nov. 1	31.43	26	31.06

2-6-8bc. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 11.60 below lsd, June 26, 1957; lowest 14.50 below lsd, Mar. 28, 1956. Records available: 1956-57.

Feb. 21	14.30	June 26	11.60	Oct. 8	13.20	Dec. 2	13.23
Apr. 24	14.20	Sept. 3	12.80	Nov. 1	13.29	26	13.12

2-6-8bd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 69 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 35.70 below lsd, Sept. 3, 1957; lowest 38.58 below lsd, Nov. 1, 1957. Records available: 1955-57. Feb. 21, 37.91; Apr. 24, 37.50; Sept. 3, 35.70; Nov. 1, 38.58; Dec. 2, 36.80; Dec. 26, 36.98.

2-6-8bba. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 66 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 16.82 below lsd, Dec. 26, 1957; lowest 18.79 below lsd, June 7, 1956. Records available: 1955-57.

Feb. 21	18.14	June 26	17.03	Oct. 8	17.23	Dec. 2	16.90
Apr. 24	17.10	Sept. 3	16.88	Nov. 1	17.00	26	16.82

2-6-8ca. (MB) U.S.B.R. Drilled well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.46 below lsd, July 11, 1956; lowest 16.83 below lsd, Dec. 20, 1955, Mar. 28, 1956. Records available: 1955-57. June 26, 15.00; Nov. 1, 15.68; Dec. 2, 16.00; Dec. 26, 16.19.

2-6-8cb1. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 12.96 below lsd, Dec. 26, 1957; lowest 15.86 below lsd, Mar. 28, 1956. Records available: 1956-57.

Feb. 21	15.50	June 26	13.20	Oct. 8	14.22	Dec. 2	13.31
Apr. 24	14.90	Sept. 3	14.22	Nov. 1	13.70	26	12.96

2-6-8cb2. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 58 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.94 below lsd, July 11, 1956; lowest 15.83 below lsd, June 7, 1956. Records available: 1956-57.

Feb. 21	15.00	June 26	12.60	Oct. 8	14.29	Dec. 2	12.93
Apr. 24	14.15	Sept. 3	14.20	Nov. 1	13.46	26	12.53

2-6-8cb3. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe,

1.70 feet above lsd. Highest water level 5.14 below lsd, Dec. 26, 1957; lowest 17.86 below lsd, Mar. 28, 1956. Records available: 1956-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	17.11	June 26	9.30	Oct. 8	9.42	Dec. 2	5.42
Apr. 24	16.87	Sept. 3	9.26	Nov. 1	5.76	26	5.14

2-6-8dda. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.48 below lsd, July 11, 1956; lowest 22.77 below lsd, Oct. 8, 1957. Records available: 1955-57.

Feb. 21	22.02	Sept. 4	21.70	Nov. 12	22.40	Dec. 26	22.24
Apr. 24	20.66	Oct. 8	22.77	Dec. 2	22.30		

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 32.87 below lsd, Sept. 1, 1955; lowest 34.70 below lsd, May 3, 1956. Records available: 1955-57. Feb. 21, 33.70; Apr. 24, 33.70.

2-6-9dd. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 82 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.05 below lsd, Sept. 3, 1957; lowest 38.13 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 34.91; Apr. 24, 35.68; June 26, 31.60; Sept. 3, 24.05.

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 29.90 below lsd, Mar. 28, 1956; lowest 37.76 below lsd, July 11, 1956. Records available: 1955-57. Feb. 21, 36.42; Apr. 24, 36.60; June 26, 36.22; Sept. 3, 31.72.

2-6-10da2. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 6.04 below lsd, June 26, 1957; lowest 11.48 below lsd, Sept 1, 1955. Records available: 1955-57. Feb. 21, 8.80; Apr. 24, 7.50; June 26, 6.04; Sept. 3, 7.05.

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 17.07 below lsd, June 26, 1957; lowest 20.80 below lsd, June 7, 1956. Records available: 1955-57. Feb. 1, 18.85; Apr. 24, 17.78; June 26, 17.07; Sept. 4, 17.39.

2-6-15cc. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 6.44 below lsd, June 26, 1957; lowest 13.02 below lsd, June 7, 1956. Records available: 1955-57.

Feb. 21	11.70	June 26	6.44	Oct. 8	10.70	Dec. 2	11.43
Apr. 24	10.13	Sept. 3	9.49	Nov. 12	11.17	26	11.73

2-6-15dd. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.90 below lsd, May 3, 1956; lowest 8.32 below lsd, Apr. 24, 1957. Records available: 1956-57. Feb. 21, 7.75; Apr. 24, 8.32; June 26, 8.07.

2-6-16bc. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{2}$  inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.93 below lsd, July 11, 1956; lowest 19.20 below lsd, Nov. 8, 1956. Records available: 1955-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	18.95	Sept. 4	18.20	Nov. 12	19.02	Dec. 26	19.12
Apr. 24	17.03	Oct. 8	18.89	Dec. 2	19.06		

2-6-17add. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 58 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.46 below lsd, Sept. 1, 1955; lowest 18.83 below lsd, Dec. 26, 1957. Records available: 1955-57.

Feb. 21	18.64	Sept. 4	17.86	Nov. 12	18.45	Dec. 26	18.83
Apr. 24	17.45	Oct. 8	18.42	Dec. 2	18.62		

2-6-17bba. (MB) U.S.B.R. Drilled well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 20.83 below lsd, Sept. 1, 1955; lowest 26.85 below lsd, Oct. 8, 1957. Records available: 1955-57.

Feb. 21	25.67	Sept. 4	26.25	Nov. 12	26.57	Dec. 26	26.30
Apr. 24	25.10	Oct. 8	26.85	Dec. 2	26.44		

2-6-17db. (MB) U.S.B.R. Jetted well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 18 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.34 below lsd, July 11, 1956; lowest 14.57 below lsd, Feb. 21, 1957. Records available: 1955-57.

Feb. 21	14.57	Sept. 4	13.14	Nov. 12	13.18	Dec. 26	13.16
Apr. 24	12.25	Oct. 8	13.35	Dec. 2	13.12		

2-6-22abb. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.78 below lsd, June 26, 1957; lowest 13.00 below lsd, June 7, 1956. Records available: 1955-57. Feb. 21, 12.30; Apr. 24, 11.63; June 26, 5.78. Measurement discontinued.

2-6-22ad. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 27.38 below lsd, Nov. 8, 1956; lowest 29.29 below lsd, Oct. 20, 1955. Records available: 1955-56. Measurement discontinued.

2-6-36dd. (MB) U.S.B.R. Drilled observation well in deposits of Pleistocene age, diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 25.60 below lsd, Mar. 29, 1956; lowest dry, Feb. 20, Mar. 21, May 8, Sept. 5, 1957. Records available: 1956-57. Dry entire year of 1957.

KEARNY COUNTY

13a. (C) Kearny County. SW¼ SW¼ sec. 15, T. 25 S., R. 37 W. Driven and bored observation well in alluvium, depth 14 feet. Measuring point, top west side of pipe, 2.20 feet above lsd. Highest water level 7.39 below lsd, May 28, 1954; lowest 9.26 below lsd, Nov. 29, 1956. Records available: 1953-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	9.11	May 24	8.10	Sept. 20	8.08	Nov. 22	8.43
Apr. 1	8.98	July 19	7.87	Oct. 18	8.19	Dec. 20	8.43
26	8.73	Aug. 23	8.22				

16. (C) C. B. Campbell. SE¼ SE¼ SE¼ sec. 15, T. 23 S., R. 35 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 6 inches, depth 60 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 23.69 below lsd, May 31, 1951; lowest 55.79 below lsd, Nov. 27, 1956. Records available: 1939-57. Feb. 25, 53.98; May 9, 53.99; Aug. 6, 54.53; Nov. 18, 54.09.

22-37-22aa. (C) Owner unknown. Drilled stock well in Ogallala Formation, diameter 6 inches, depth 187 feet. Measuring point, top northeast side of hole in frying pan over well, 0.30 foot above lsd. Highest water level 169.69 below lsd, May 9, 1957; lowest 175.27 below lsd, June 28, 1956. Records available: 1956-57. Feb. 25, pumping; May 9, 169.69; Aug. 6, 174.77.

KINGMAN COUNTY

4. (C) N. Lawson. NW¼ NW¼ sec. 9, T. 27 S., R. 9 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 76 feet. Measuring point, top opening of pump, 0.30 foot above lsd. Highest water level 55.58 below lsd, Sept. 1, 1953; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-57. Apr. 4, 59.63; June 25, 58.45; Sept. 18, 58.59; Dec. 12, 58.60.

KIOWA COUNTY

4. (C) H. E. Davis. SE¼ NE¼ sec. 4, T. 28 S., R. 16 W. Drilled domestic and irrigation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 109 feet. Measuring point, top south side of casing, 0.50 foot above lsd. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-57. Apr. 4, 67.43; June 25, 67.83; Sept. 17, 67.67; Dec. 12, 67.56.

8. (C) E. E. Miller. SW¼ SE¼ sec. 18, T. 27 S., R. 18 W. Dug and drilled unused water-table well in sand and gravel of Pleistocene age, diameter 16 inches, depth 75 feet. Measuring point, top south edge of concrete curb, 1.00 foot above lsd. Highest water level 12.39 below lsd, Sept. 20, 1951; lowest 26.52 below lsd, Apr. 28, 1941. Records available: 1940-57. Dec. 12, 17.39.

19. (C) C. Williamson. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 21, T. 27 S., R. 17 W. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 90 feet. Measuring point, lower edge of pump base, 0.50 foot above lsd. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-57. Dec. 12, 31.01.

#### LABETTE COUNTY

2. (C) C. Givens. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 27, T. 31 S., R. 21 E. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 18 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 0.28 above lsd, Aug. 1, 1948; lowest 13.77 below lsd, Jan. 16, 1954. Records available: 1942-54. Measurement discontinued.

17-30-13cbb. (C) F. L. Burmeister. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 94 feet. Measuring point, top west side of casing, 0.10 foot above lsd. Highest water level 83.83 below lsd, Feb. 1, 1950; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1950-57. Feb. 14, 84.44; Apr. 18, 84.49; June 13, 84.55; Aug. 14, 84.52; Oct. 17, 85.59; Dec. 18, 84.47.

18-27-13ccc. (C) C. H. Merriweather. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 95 feet. Measuring point, top southeast side of casing, 0.60 foot above lsd. Highest water level 86.10 below lsd, Oct. 19, 1955; lowest 88.50 below lsd, June 18, 1951. Records available: 1950-57. Feb. 14, 86.52; Apr. 18, 87.13; June 13, 86.80; Aug. 14, 86.87; Oct. 17, 86.65; Dec. 18, 87.79.

18-28-15ccc. (C) C. S. and F. E. Boone. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 61 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level 54.23 below lsd, Aug. 25, 1952; lowest 56.49 below lsd, Dec. 18, 1957. Records available: 1950-57. Feb. 14, 55.88; Apr. 18, 55.84; June 13, 55.81; Aug. 14, 55.83; Oct. 17, 55.81; Dec. 18, 56.49.

19-30-3daa. (C) John Kees. Dug unused water-table well in Ogallala Formation, diameter 4 feet, depth 73 feet. Measuring point, top of concrete curb, 0.70 foot above lsd. Highest water level 65.63 below lsd, June 11, 1956; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-57. Feb. 14, 65.94; Apr. 18, 66.23; June 13, 66.08; Aug. 14, 65.85; Oct. 17, 65.85; Dec. 18, 65.75.

#### 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. Apr. 13, 3.26.

10-22-34ad. (C) A. K. Mussett. Dug unused water-table well in glacial deposits, diameter 6 feet, depth 35 feet, cribbed with brick. Measuring point, top north side of concrete, 1.00 foot above lsd. Highest water level 0.45 below lsd, Nov. 27, 1951; lowest 7.05 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57. Apr. 13, 0.57.

## LINCOLN COUNTY

12-7-18aa. (MB C) Reverend Hendrickson. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 50 feet. Measuring point, edge of platform at pump base, at land surface. Highest water level 2.47 below lsd, July 25, 1951; lowest 25.05 below lsd, Dec. 20, 1956. Records available: 1947-57. Mar. 13, 24.65; July 19, 11.21; Oct. 30, 18.20.

12-7-19dd. (MB C) H. R. Behern. Dug stock and observation water-table well in alluvium, diameter 36 inches, depth 16 feet, cribbed with rock. Measuring point, top of surface board platform, at land surface. Highest water level 7.29 below lsd, June 3, 1952; lowest dry, Mar. 13, 1957. Records available: 1947-57. Mar. 13, dry; July 19, 14.91; Oct. 30, 13.15.

12-8-6aa. (MB C) Darrel Dean. Drilled domestic and observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 19 feet. Measuring point, top of board platform, 0.30 foot above lsd. Highest water level 5.09 below lsd, May 11, 1951; lowest 11.18 below lsd, Mar. 8, 1956. Records available: 1947-56. Measurement discontinued.

12-8-8cd. (MB C) S. C. Meredith. Dug unused water-table well in Dakota Formation, diameter 4 feet, depth 35 feet, cribbed with rock. Measuring point, top of board platform, 0.60 foot above lsd. Highest water level 2.29 below lsd, July 25, 1951; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-57. Mar. 13, 14.20; July 19, 4.95; Oct. 30, 10.01.

12-8-11cb. (MB C) Jim and Ed Healy. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete curb, at land surface. Highest water level 4.76 below lsd, July 25, 1951; lowest 20.90 below lsd, Dec. 20, 1956. Records available: 1947-57. Mar. 13, 20.48; July 19, 12.85; Oct. 30, 17.25.

12-10-8bb. (MB C) G. Meitler. Drilled stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Measuring point, north edge of casing, 1.00 foot above lsd. Highest water level 9.58 below lsd, Oct. 22, 1951; lowest 17.57 below lsd, Sept. 21, 1956. Records available: 1947-57. Mar. 13, 16.55; July 19, 12.61; Oct. 30, 13.84.

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

12-10-21dd. (MB C) F. D. Meyer. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete platform, 0.30 foot above lsd. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 27.88 below lsd, Dec. 20, 1956. Records available: 1947-57. Mar. 13, 27.85; July 19, 24.46; Oct. 30, 25.66.

## LINN COUNTY

19-24-36aa. (C) Mr. Newby. Dug unused water-table well in Swope Limestone, diameter 6 feet, depth 21 feet. Measuring point, top of hole in concrete base, 0.30 foot above lsd. Highest water level 6.56 below lsd, Nov.

30, 1951; lowest 18.12 below lsd, Apr. 11, 1957. Records available: 1948-52, 1956-57. Apr. 11, 18.12.

22-25-6cb. (C) E. C. Smith. Dug unused water-table well in Nowata Shale and Altamont Limestone, diameter 5 feet, depth 16 feet, cribbed with rock. Measuring point, top south side of circular hole in concrete, 0.60 foot above lsd. Highest water level 1.99 below lsd, Feb. 21, 1952; lowest dry, Apr. 11, 1957. Records available: 1948-52, 1956-57. Apr. 11, dry.

23-25-7daa. (C) O. M. Grigsby. Dug unused water-table well in Bandera Shale, diameter 36 inches, depth 19 feet, cribbed with rock. Measuring point, top north side of square hole in concrete, 0.60 foot above land surface. Highest water level 1.64 below lsd, Mar. 1, 1949; lowest 17.21 below lsd, May 5, 1948. Records available: 1948-52, 1956-57. Apr. 11, 16.54.

#### LOGAN COUNTY

1. (C) Octon Estate. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 2, T. 11 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 107 feet. Measuring point, top north side of casing, 0.40 foot above lsd. Highest water level 96.25 below lsd, Apr. 21, 1953; lowest 99.29 below lsd, Jan. 6, 1947. Records available: 1942-57. Apr. 24, 97.65; July 10, 97.27; Oct. 15, 98.41.

11-34-16cc. (C) A. T. and Helen Peterson. Drilled unused observation well in Ogallala Formation, diameter 5 inches, depth 143 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 125.77 below lsd, Nov. 27, 1956; lowest 126.63 below lsd, Jan. 6, 1953. Records available: 1952-57. Feb. 13, 125.97; May 4, 126.16; Aug. 20, 125.92; Nov. 14, 125.82.

12-37-27aa. (C) J. E. Bertrand. Drilled unused observation well in deposits of Pleistocene age, diameter 5 inches, depth 53 feet. Measuring point, top of casing, 1.20 feet above lsd. Highest water level 41.46 below lsd, Nov. 14, 1957; lowest 44.60 below lsd, Aug. 10, 1954. Records available: 1952-57. Feb. 13, 42.55; May 14, 42.28; Aug. 20, 41.53; Nov. 14, 41.46.

#### MCPHERSON COUNTY

17-3-4bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 17.05 below lsd, Sept. 22, 1952; lowest 25.00 below lsd, Aug. 19, 1957. Records available. 1950-53, 1955-57. Mar. 18, 17.88; May 8, 18.03; June 10, 17.95; Aug. 19, 25.00; Oct. 11, 24.97; Nov. 15, 24.38.

17-3-9-bcc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.99 below lsd, Oct. 11, 1950; lowest 22.62 below lsd, Aug. 19, 1957. Records available: 1950-53, 1955-57. Mar. 18, 21.25; May 8, 21.49; June 10, 22.52; Aug. 19, 22.62; Oct. 11, 21.79; Nov. 15, 21.22.

17-3-10bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 6.65 below lsd, Aug. 17, 1951; lowest 21.28 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-57. Mar. 18, 21.28; May 8, 19.86; June 10, 18.87; Aug. 19, 16.61; Oct. 11, 17.01; Nov. 15, 17.72.

17-3-17dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 39 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-57. Mar. 18, 28.78; May 8, 28.41; June 10, 26.32; Aug. 19, 24.84; Oct. 11, 24.69; Nov. 15, 25.32.

17-3-18dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 53 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.25 below lsd, Oct. 1, 1951; lowest 30.18 below lsd, July 31, 1956. Records available: 1946-57. Mar. 18, 29.69; May 8, 29.26; June 11, 26.42; Aug. 20, 24.20; Oct. 11, 24.83; Nov. 15, 25.62.

17-3-19ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.60 below lsd, Oct. 1, 1951; lowest 24.88 below lsd, May 8, 1957. Records available: 1951-57. Mar. 18, 24.80; May 8, 24.88; June 11, 21.45; Aug. 20, 18.70; Oct. 11, 20.14; Nov. 15, 21.54.

17-3-30dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.92 below lsd, Sept. 7, 1956. Records available: 1946-57. Mar. 18, 31.86; May 8, 31.60; June 11, 29.32; Aug. 20, 26.78; Oct. 11, 27.02; Nov. 15, 27.67.

17-4-20ddd. (MB) U.S.G.S. Jetted observation well in colluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 1.73 below lsd, July 2, 1951; lowest dry, May 11, 1956. Records available: 1950-57. Mar. 19, 15.90; May 8, 12.47; June 10, 8.45; Aug. 20, 10.00; Oct. 11, 10.88; Nov. 15, 10.85.

17-4-25dd. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 50 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 15.11 below lsd, July 24, 1951; lowest 27.93 below lsd, Mar. 18, 1957. Records available: 1946-57. Mar. 18, 27.93; May 8, 27.74; June 10, 26.30; Aug. 20, 24.40; Oct. 11, 24.35; Nov. 15, 24.54.

17-4-29ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 6.52 below lsd, Aug. 20, 1951; lowest 20.70 below lsd, May 8, 1957. Records available: 1950-53, 1955-57. Mar. 18, 20.12; May 8, 20.70; June 11, 17.14; Aug. 20, 13.95; Oct. 11, 11.65; Nov. 15, 13.03.

17-4-31baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 13.06 below lsd, Aug. 20, 1951; lowest 24.39 below lsd, Mar. 18, 1957. Records available: 1950-53, 1955-57. Mar. 18, 24.39; May 8, 24.25; June 11, 19.69; Aug. 20, 16.92; Oct. 11, 14.33; Nov. 15, 15.84.



17-4-32baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.80 below lsd, Aug. 20, 1951; lowest 23.98 below lsd, May 8, 1957. Records available: 1950-53, 1955-57. Mar. 18, 23.90; May 8, 23.98; June 11, 20.31; Aug. 20, 18.05; Oct. 11, 18.87; Nov. 15, 20.02.

17-4-34-add. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.11 below lsd, Aug. 20, 1951; lowest 26.30 below lsd, May 8, 1957. Records available: 1951-53, 1955-57. Mar. 18, 26.25; May 8, 26.30; June 10, 24.27; Aug. 20, 20.44; Oct. 11, 21.05; Nov. 15, 22.23.

17-4-36abb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 15.23 below lsd, Aug. 20, 1951; lowest 27.29 below lsd, May 8, 1957. Records available: 1951-53, 1955-57. Mar. 18, 27.26; May 8, 27.29; June 10, 26.17; Aug. 20, 24.18; Oct. 11, 23.64; Nov. 15, 23.71.

17-5-7aad. (Formerly listed as 17-5-7add) (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 6.01 below lsd, Oct. 1, 1951; lowest 15.89 below lsd, Aug. 19, 1955. Records available: 1951-53, 1955-57. Mar. 18, 15.75; May 8, 15.48; June 11, 11.60; Aug. 20, 9.14; Oct. 11, 11.03; Nov. 15, 13.20.

17-5-7bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 35 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 17.88 below lsd, July 2, 1951; lowest 26.52 below lsd, Aug. 20, 1957. Records available: 1950-53, 1955-57. Mar. 19, 26.05; May 8, 25.64; June 11, 25.12; Aug. 20, 26.52; Oct. 11, 26.37; Nov. 15, 26.37.

17-5-8ccc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 3.33 below lsd, Nov. 9, 1951; lowest 12.52 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-57. Mar. 19, 12.49; May 8, 12.51; June 11, 11.96; Aug. 20, 10.70; Oct. 11, 10.34; Nov. 15, 10.04.

17-5-8ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 18 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 0.90 below lsd, Oct. 1, 1951; lowest 12.14 below lsd, Sept 7, 1956. Records available: 1950-53, 1955-57. Mar. 19, 12.05; May 8, 11.48; June 11, 7.53; Aug. 20, 5.60; Oct. 11, 6.78; Nov. 15, 8.39.

17-5-11bbb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.87 below lsd, Oct. 1, 1951; lowest 16.30 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-57. Mar. 18, 16.14; May 8, 15.88; June 11, 14.22; Aug. 20, 13.56; Oct. 11, 13.47; Nov. 15, 13.22.

17-5-16aaa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 26 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 10.39 below lsd, Oct. 1, 1951; lowest 20.23 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-57. Mar. 18, 20.23; May 8, 20.09; June 11, 16.71; Aug. 20, 13.24; Oct. 11, 15.18; Nov. 15, 17.32.

17-5-21dad. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 6.51 below lsd, Oct. 1, 1951; lowest 19.97 below lsd, Mar. 19, 1957. Records available: 1950-53, 1955-57. Mar. 19, 19.97; May 8, 18.72; June 11, 14.54; Aug. 20, 10.79; Oct. 11, 12.84; Nov. 15, 15.10.

17-5-23ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 25 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 9.61 below lsd, Dec. 17, 1950; lowest dry, Jan. 4, 1956. Records available: 1950-53, 1955-56. No measurement made in 1957.

17-5-25aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 32 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 7.51 below lsd, Oct. 1, 1951; lowest 20.90 below lsd, Oct. 23, 1950. Records available: 1950-53, 1955-57. Mar. 19, 19.56; May 8, 18.03; June 11, 17.10; Aug. 20, 17.80; Oct. 11, 17.76; Nov. 15, 17.62.

17-5-26ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.00 below lsd, Aug. 20, 1951; lowest 21.73 below lsd, Dec. 17, 1956. Records available: 1950-57. Mar. 19, 21.69; May 8, 21.65; June 11, 20.78; Aug. 20, 15.90; Oct. 11, 16.35; Nov. 15, 17.29.

#### MEADE COUNTY

41. (C) D. L. Shranner. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 20, T. 30 S., R. 30 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 180 feet. Measuring point, hole in east side of pump base, 0.75 foot above lsd. Highest water level 155.75 below lsd, Dec. 13, 1954; lowest 158.30 below lsd, Nov. 9, 1939. Records available: 1939-42, 1954-57. Mar. 19, 156.45; June 18, 156.40; Sept. 12, 156.44; Dec. 19, 156.66.

45. (C) Joseph Rocke. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 31, T. 30 S., R. 27 W. Drilled unused water-table well in Meade Group and Ogallala Formation, diameter 3 inches, depth 200 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 0.42 below lsd, Dec. 20, 1949; lowest 22.84 below lsd, Sept. 13, 1956. Records available: 1939-57. Mar. 19, 20.14; June 18, 18.45; Dec. 19, 18.99.

61. (C) John Meyer. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 26, T. 31 S., R. 27 W. Drilled unused water-table well in Meade Group, diameter 6 inches, depth 87 feet. Measuring point, top south side of casing, 0.60 foot above lsd. Highest water level 56.34 below lsd, Dec. 28, 1954; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-57. Mar. 19, 56.55; June 18, 56.69; Dec. 19, 56.37.

77. (C) J. W. Wood. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 4, T. 32 S., R. 28 W. Drilled unused water-table well in Meade Group and Ogallala Formation, diameter 3 inches, depth 126 feet. Measuring point, bottom of T in 3-inch casing, 2.60

feet above lsd. Highest water level 60.18 below lsd, Mar. 19, 1952; lowest 67.12 below lsd, Sept. 9, 1943. Records available: 1939-57. Mar. 19, 63.35; June 18, 62.57; Sept. 12, 63.55; Dec. 19, 62.84.

161. (C) C. R. Cheney. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 14, T. 31 S., R. 27 W. Bored stock water-table well in alluvium and Sanborn Group, diameter 6 inches, depth 18 feet. Measuring point, top south side of casing, 0.80 foot above lsd. Highest water level 6.23 below lsd, Sept. 9, 1953; lowest 12.30 below lsd, Sept. 20, 1939. Records available: 1939, 1952-57. Mar. 19, 11.66; June 18, 8.80; Dec. 19, 7.17.

234. (C) Chris Sobba. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 23, T. 30 S., R. 27 W. Drilled unused water-table well in Ogallala Formation, diameter 16 inches, depth 210 feet. Measuring point, top of casing at land surface. An irrigation well nearby is affecting this well. Highest water level 11.47 below lsd, July 8, 11, 1956; lowest 47.11 below lsd. Aug. 5, 1955. Records available: 1939-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.20	17.16	.....	.....	16.88	16.35	16.09	.....	.....	17.42	16.38	15.84
10	18.18	18.40	.....	16.98	16.89	16.21	16.88	29.79	.....	17.71	16.20	15.84
15	17.70	18.75	.....	16.80	16.82	16.14	.....	37.12	.....	17.60	16.51	.....
20	17.30	.....	.....	16.72	16.74	16.60	20.26	37.53	.....	17.54	16.54	15.90
25	17.18	.....	.....	17.00	16.60	.....	21.16	.....	20.20	17.39	16.30	15.78
30	17.30	.....	.....	17.00	16.54	16.20	17.84	.....	.....	17.10	16.08	.....

30-27-22cd. (C) D. Zortman. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 21 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 11.73 below lsd, Apr. 22, 23, 1954; lowest 16.82 below lsd, Oct. 25, 1956. Records available: 1954-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.90	14.45	14.54	.....	12.88	12.90	13.24	14.59	.....	.....	.....	.....
10	14.86	14.71	14.49	.....	12.86	12.96	13.79	14.64	15.59	.....	.....	.....
15	14.80	14.64	14.51	.....	12.90	13.04	14.01	14.80	15.49	.....	.....	.....
20	14.76	14.60	14.48	.....	12.89	13.22	14.25	14.95	15.24	.....	.....	.....
25	.....	14.57	14.46	.....	12.92	13.32	14.37	15.09	.....	.....	.....	.....
30	.....	.....	.....	.....	12.88	13.40	14.47	15.76	.....	.....	.....	.....

30-27-32ddd. (C) Meade County. Driven and bored observation water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 20 feet. Measuring point, top east side of pipe, 2.00 feet above lsd. Highest water level 8.93 below lsd, July 7, 1953; lowest dry, Mar. 19, 1957. Records available: 1953-57. Mar. 19, dry; Sept. 12, 16.58; Dec. 19, 15.52.

33-28-29bc. (C) Fred Borchers. Drilled irrigation water-table well in Meade Group and Ogallala Formation, diameter 16 inches, depth 160 feet. Measuring point, top northeast side of casing, 1.00 foot above lsd. Highest water level 14.23 below lsd, Mar. 16, 1954; lowest 18.15 below lsd, July 18, 1939. Records available: 1939, 1953-57. June 18, 14.72; Sept. 12, 17.14; Dec. 19, 15.18.

## MITCHELL COUNTY

6-8-34ccc. (MB C) R. L. Metcalf. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 48 inches, depth 32 feet, cribbed with stone. Measuring point, top surface board platform, 0.40 foot above lsd. Highest water level 16.00 below lsd, July 25, 1951; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-57. Mar. 12, 18.14; Aug. 13, 18.37; Nov. 11, 18.10.

6-9-27ab. (MB C) L. Lowdermilk. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 37 feet, cribbed with rock. Measuring point, top of rock base, 0.40 foot above lsd. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1935-57. Mar. 12, 28.50; Aug. 13, 25.32; Nov. 11, 26.28.

6-9-30da. (MB C) J. Reinhardt. Drilled domestic and stock well in terrace deposits of Pleistocene age, diameter 6 inches, depth 37 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 17.90 below lsd, July 25, 1951; lowest 32.50 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 32.50; Aug. 13, 28.15; Nov. 11, 28.84.

7-6-34cba. (MB C) Thelma Spicker. Drilled stock and observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 43 feet. Measuring point, top south edge of casing, at land surface. Highest water level 15.75 below lsd, Oct. 25, 1951; lowest dry, Nov. 15, 1957. Records available: 1946-57. Mar. 12, 31.20; Nov. 15, dry.

7-7-7aaa. (MB C) A. McDysan. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 43 feet. Measuring point, top of rock curb, 1.00 foot above lsd. Highest water level 16.05 below lsd, Jan. 22, 1951; lowest 36.10 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 36.10; Aug. 13, 31.27; Nov. 11, 31.03.

7-7-15dcc. (MB C) V. R. Schmidt. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 28 feet, cribbed with stone. Measuring point, top of surface stone curb, 0.30 foot above lsd. Highest water level 0.55 below lsd, July 25, 1951; lowest 26.64 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 26.64; Aug. 13, 22.20; Nov. 11, 22.50.

7-8-5cbb. (MB C) Paul Meers. Drilled stock water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 47 feet. Measuring point, top north edge of casing, 1.50 feet above lsd. Highest water level 17.55 below lsd, Aug. 28, 1951; lowest dry, Mar. 12, 1957. Records available: 1946-57. Mar. 12, dry.

## MORTON COUNTY

22. (C) E. A. Wilcox SW $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 14, T. 31 S., R. 43 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 87 feet. Measuring point, top south side of casing, 1.20 feet above lsd. Highest water level 69.85 below lsd, May 20, 1952; lowest 76.40 below lsd, Aug. 8, 1957. Records available: 1939-53, 1956-57. Feb. 21, 71.95; Aug. 8, 76.40; Nov. 7, 72.85.

65. (C) John Hentschel. SE $\frac{1}{4}$  SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 8, T. 33 S., R. 42 W. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 62 feet. Measuring point, top northeast

side of casing, 0.40 foot above lsd. Highest water level 48.85 below lsd, Nov. 7, 1957; lowest 54.54 below lsd, Feb. 11, 1954. Records available: 1939-54, 1956-57. Feb. 21, 51.38; Aug. 8, 49.67; Nov. 7, 48.85.

117. (C) W. C. Washburn. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 4, T. 35 S., R. 42 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 216 feet. Measuring point, top west side of casing, 1.20 feet above lsd. Highest water level 155.03 below lsd, Feb. 21, 1957; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-57. Feb. 21, 155.03; Aug. 8, 155.35; Nov. 7, 155.47.

#### NESS COUNTY

1. (C) J. E. Ficken. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 32, T. 20 S., R. 23 W. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 19 inches, depth 70 feet. Measuring point, top east side of sill under pump, 2.00 feet above lsd. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-57. Jan. 23, 34.27; Apr. 11, 34.04; July 17, 33.20; Oct. 10, 32.45.

2. (C) C. L. Whitley. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 20 S., R. 22 W. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 20 inches, depth 58 feet. Measuring point, top south side of concrete curb, 0.50 foot above lsd. Highest water level 17.81 below lsd, July 12, 1951; lowest 33.69 below lsd, July 26, 1956. Records available: 1940-57. Jan. 23, 31.19; Apr. 11, 30.90; July 17, 28.23; Oct. 10, 27.05.

18-23-31ab. (Formerly listed as 18-23-31aa) (C) J. H. Lieker. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 54 feet. Measuring point, top west side of casing, 0.30 foot above lsd. Highest water level 47.82 below lsd, Apr. 20, 1954; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-57. Jan. 22, 48.93; July 17, 48.88; Oct. 9, 48.75.

#### NORTON COUNTY

2-21-1bb. (MB C) Verner Ross. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 70 feet. Measuring point, top east side of pump base, 1.30 feet above lsd. Highest water level 18.76 below lsd, July 23, 1951; lowest 31.47 below lsd, Sept. 27, 1957. Records available: 1946-57. Feb. 15, 29.58; Mar. 19, 29.02; June 13, 27.35; Sept. 27, 31.47.

2-21-2bd. (MB C) Vernon J. Hamilton. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 24 inches, depth 57 feet. Measuring point, top south side of casing, at land surface. Highest water level 17.69 below lsd, Aug. 26, 1951; lowest 29.90 below lsd, June 13, 1957. Records available: 1946-57. June 13, 29.90.

2-21-11aa. (MB C) W. B. Woods. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 18 inches, depth 82 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 24.37 below lsd, Oct. 23, 1951; lowest 42.10 below lsd, Feb. 15, 1957. Records available: 1945-57. Feb. 15, 42.10; Mar. 19, 34.00; Sept. 27, 33.62.

2-21-18aa. (MB C) Mr. Haypkema. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 12 feet, depth 57 feet. Measur-

ing point, top north side of plank, 0.41 foot above lsd. Highest water level 40.37 below lsd, May 24, 1952; lowest 43.48 below lsd, Feb. 9, 1950. Records available: 1947-55. No measurement made in 1957.

2-21-19dd. (MB C) C. C. Alexander. Drilled domestic and stock water-table well in Ogallala Formation, diameter 6 inches, depth 79 feet. Measuring point, top east side of casing, 0.90 foot above lsd. Highest water level 59.10 below lsd, May 15, 1951; lowest 65.93 below lsd, Jan. 18, 1951. Records available: 1946-54. No measurement made in 1957.

2-22-26ac. (MB C) Percy G. Whitaker. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 53 feet. Measuring point, top east side of pit, 0.10 foot above lsd. Highest water level 24.11 below lsd, July 24, 1951; lowest 29.80 below lsd, Apr. 26, 1949. Records available: 1946-54. No measurement made in 1957.

2-22-28aa. (MB C) H. E. Fisher. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 51 feet. Measuring point, top of casing, at land surface. Highest water level 47.30 below lsd, July 31, 1947; lowest 49.70 below lsd, Sept. 2, 1949. Records available: 1947-55. No measurement made in 1957.

2-23-36cd. (MB C) R. L. Brooks. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 18 inches, depth 69 feet. Measuring point, lower edge of inspection hole, 1.70 feet above lsd. Highest water level 25.56 below lsd, Oct. 23, 1951; lowest 31.59 below lsd, Mar. 13, 1950. Records available: 1946-55. No measurement made in 1957.

2-25-36dd. (C) L. B. McCabe. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 56 feet. Measuring point, top edge of casing, 1.00 foot above lsd. Highest water level 41.65 below lsd, Feb. 8, 1954; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954-57. Feb. 12, 42.55; May 13, 42.56; Aug. 19, 41.83.

3-23-8aa. (MB C) Mary J. Rogers. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 59 feet. Measuring point, top north side of casing, 0.25 foot above lsd. Highest water level 33.46 below lsd, July 24, 1951; lowest dry, July 6, 1955. Records available: 1947-55. Measurement discontinued.

4-23-14ad. (C) W. L. Kidder. Drilled stock water-table well in Ogallala Formation, diameter 6 inches, depth 91 feet. Measuring point, top east side of casing, 1.50 feet above lsd. Highest water level 65.10 below lsd, May 3, 1955; lowest 66.41 below lsd, Nov. 16, 1955. Records available: 1946, 1954-57. Feb. 12, 65.99; Aug. 19, 65.69; Nov. 13, 65.66.

#### OSBORNE COUNTY

6-11-34aa. (MB C) Wm. E. Lowdon. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 41 feet, cribbed with rock. Measuring point, top of platform over well, 0.10 foot above lsd. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 39.49 below lsd, Dec. 11, 1952. Records available: 1945-57. Mar. 12, 36.50; Nov. 14, 34.67.

6-12-7bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 31.50 below lsd, July 26, 1957; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	32.40	May 20	32.43	Aug. 13	32.06	Oct. 16	32.05
Mar. 13	32.54	June 20	32.40	16	31.80	Nov. 14	32.04
Apr. 18	32.50	July 26	31.50	Sept. 19	31.78		

6-12-7dc. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.55 below lsd, June 19, 1951; lowest 25.20 below lsd, Apr. 18, July 26, Sept. 19, 1957. Records available: 1951-57.

Jan. 17	24.85	May 20	24.90	Aug. 13	25.10	Oct. 16	25.00
Mar. 13	24.60	June 20	24.80	Sept. 19	25.20	Nov. 14	24.94
Apr. 18	25.20	July 26	25.20				

6-12-23cd. (MB C) C. Fink. Dug domestic water-table well in terrace deposits of Pleistocene age, diameter 36 inches, depth 32 feet, cribbed with rock. Measuring point, top south side of board platform, 0.75 foot above lsd. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-57. Mar. 12, 24.66; Aug. 13, 23.58; Nov. 14, 24.08.

6-13-2dd. (MB) U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 29.85 below lsd, May 23, 1952; lowest 33.48 below lsd, June 20, 1957. Records available: 1951-57.

Jan. 17	33.40	May 20	33.42	July 26	33.30	Sept. 19	33.15
Mar. 13	33.02	June 20	33.48	Aug. 13	33.16	Oct. 16	32.95
Apr. 18	33.44						

7-12-28ab. (MB C) C. E. Galley. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 47 feet, tile casing. Measuring point, top surface concrete platform, 0.50 foot above lsd. Highest water level 26.44 below lsd, May 25, 1952; lowest 34.63 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 34.63; Aug. 13, 32.97; Nov. 11, 32.70.

7-13-15da. (MB C) J. W. Bathurst. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 53 feet, tile casing. Measuring point, top surface board platform, 1.30 feet above lsd. Highest water level 29.14 below lsd, July 25, 1951; lowest 41.47 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 41.47; Aug. 13, 37.88; Nov. 15, 38.82.

7-14-6cb. (MB C) J. A. Guttery. Drilled stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 29 feet, tile casing. Measuring point, top east side of surface board platform, 0.40 foot above lsd. Highest water level 19.97 below lsd, Aug. 27, 1951; lowest 24.89 below lsd, Dec. 19, 1956. Records available: 1946-57. Nov. 11, 24.38.

7-14-10dd. (MB C) John Clark. Drilled domestic water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 38 feet, tile casing. Measuring point, top surface board platform, 0.70 foot above lsd. Highest water level 27.69 below lsd, May 25, 1952; lowest 35.64 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 35.64.

7-15-8cc. (MB C) F. Dibble. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 4 feet, depth 26 feet, cribbed with stone. Measuring point, top surface cement platform, 1.10 feet above lsd. Highest water level 14.80 below lsd, May 26, 1950; lowest 25.78 below lsd, Mar. 8, 1950. Records available: 1946-57. Mar. 12, 23.67; Aug. 13, 22.67; Nov. 11, 22.50.

7-15-12dc. (MB C) Tom Hale, Jr. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 12 inches, depth 36 feet, tile casing. Measuring point, top south edge of casing, 1.30 feet above lsd. Highest water level 9.16 below lsd, Sept. 18, 1956; lowest 25.00 below lsd, July 10, 1955. Records available: 1946-57. Mar. 12, 24.32; Aug. 13, 9.57; Nov. 11, 9.93. Pond above well has water.

PAWNEE COUNTY

7. (C) Ralph Lupfer. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 22 S., R. 17 W. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diameter 19 inches, depth 124 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level 18.95 below lsd, June 25, 1951; lowest 38.28 below lsd, Sept. 18, 1956. Records available: 1940-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	33.21	Apr. 22	32.67	July 15	33.25	Oct. 8	31.37
Feb. 18	34.61	May 15	32.51	Aug. 7	34.88	Nov. 19	30.97
Mar. 20	33.58	June 19	31.96	Sept. 24	31.52	Dec. 12	31.08

8. (C) F. B. Reed. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 6, T. 22 S., R. 16 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 34 feet. Measuring point, top south side of concrete curb, 1.50 feet above lsd. Highest water level 7.01 below lsd, Aug. 29, 1950; lowest 18.72 below lsd, Sept. 18, 1956. Records available: 1940-57.

Jan. 8	17.03	May 15	15.12	Aug. 7	14.20	Oct. 8	14.13
Feb. 18	16.52	June 19	14.78	Sept. 24	14.22	Dec. 12	14.19
Apr. 22	15.28	July 15	14.25				

PHILLIPS COUNTY

1-19-19cc. (MB C) Al Skelton. Dug stock water-table well in Ogallala Formation, diameter 10 to 8 feet, depth 33 feet. Measuring point, top of board platform at west side of manhole, 0.40 foot above lsd. Highest water level 11.38 below lsd, Oct. 23, 1951; lowest 26.01 below lsd, Nov. 19, 1950. Records available: 1947-55. No measurement made in 1957.

4-16-34bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 35 feet. Measuring point, top of



pipe, 1.90 feet above lsd. Highest water level 24.55 below lsd, June 14, 1951; lowest 30.50 below lsd, Mar. 12, Aug. 13, 1957. Records available: 1951-57. Mar. 12, 30.50; Aug. 13, 30.50; Nov. 14, 30.00.

4-16-36aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 41 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 1.15 below lsd, July 21, 1951; lowest 30.53 below lsd, Mar. 12, 1957. Records available: 1951-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	30.30	May 14	30.40	Aug. 13	28.67	Oct. 16	28.28
Mar. 12	30.53	June 19	29.36	15	28.60	Nov. 14	28.08
Apr. 16	29.45	July 26	28.70	Sept. 18	28.35		

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

4-19-35ab. (MB C) Glenn Seeger. Drilled domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 35 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 7.43 below lsd, May 24, 1952; lowest 15.93 below lsd, Mar. 12, 1957. Records available: 1946-57. Mar. 12, 15.93; Aug. 13, 14.28; Nov. 14, 14.78.

4-20-21cc. (MB C) Fred Albrecht. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 152 feet. Measuring point, top north side of casing, 1.00 foot above lsd. Highest water level 47.60 below lsd, Sept. 11, 1952; lowest 49.33 below lsd, Nov. 14, 1957. Records available: 1946-57. Mar. 12, 49.16; Aug. 13, 49.26; Nov. 14, 49.33.

#### PRATT COUNTY

26-11-13da. (C) H. C. Jeffers. Drilled unused well in sand and gravel of Pleistocene age, diameter 8 inches, depth 29 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 7.10 below lsd, Aug. 23, 1951; lowest 15.93 below lsd, Apr. 3, 1957. Records available: 1951-57. Apr. 3, 15.93; June 25, 14.29; Sept. 17, 13.03; Dec. 12, 13.18.

29-13-13aa. (C) E. R. Kessler. Drilled unused irrigation well in sand and gravel of Pleistocene age, diameter 10 inches, depth 125 feet. Measuring point, top south side of concrete platform, 0.40 foot above lsd. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-57. Apr. 3, 89.74; June 24, 90.00; Sept. 17, 89.88; Dec. 11, 89.79.

#### RAWLINS COUNTY

1-33-29cc. (C) Joseph Parker. Drilled stock water-table well in Ogallala Formation, diameter 5 inches, depth 125 feet. Measuring point, top south side of casing, 0.60 foot above lsd. Highest water level 115.48 below lsd, Feb. 22, 1955; lowest 117.28 below lsd, Nov. 23, 1954. Records available: 1952-57. Feb. 13, 116.10; Nov. 14, 115.94.

3-31-8ba. (C) C. A. Falconer. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 197 feet. Measuring point, top east

side of casing, 0.30 foot above lsd. Highest water level 191.19 below lsd, June 12, 1952; lowest 196.84 below lsd, Aug. 28, 1956. Records available: 1952-57. Feb. 12, 194.14; May 14, 192.93; Aug. 19, 192.17; Nov. 13, 192.07.

3-36-23bb. (C) C. Sramek. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 193 feet. Measuring point, base of hole in southeast side of casing, 0.35 foot above lsd. Highest water level 168.75 below lsd, Aug. 4, 1952; lowest 186.19 below lsd, Nov. 23, 1954. Records available: 1952-57. Feb. 13, 184.55; May 14, 184.45; Aug. 20, 184.52; Nov. 14, 184.61.

4-33-18dd. (C) W. B. Minney. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 103 feet. Measuring point, top north side of hole drilled in pump base, 1.30 feet above lsd. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 88.42 below lsd, Feb. 13, 1957. Records available: 1952-57. Feb. 13, 88.42; May 14, 88.40; Aug. 20, 88.23; Nov. 14, 88.15.

#### REPUBLIC COUNTY

1-5-7bb. (MB C) U.S.G.S. Driven and drilled observation water-table well in alluvium, diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.20 below lsd, July 24, 1951; lowest 9.62 below lsd, Mar. 28, 1956. Records available: 1947-57. Feb. 21, 9.41; Apr. 24, 9.15; June 26, 3.22; Sept. 4, 6.35.

1-5-7cb. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.38 below lsd, July 24, 1951; lowest 23.13 below lsd, Apr. 24, 1957. Records available: 1947-57. Feb. 21, 22.90; Apr. 24, 23.13; June 26, 21.80; Sept. 4, 23.12.

1-5-8cb. (MB) U.S.B.R. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 7.29 below lsd, Sept. 4, 1957; lowest 11.41 below lsd, Feb. 21, 1957. Records available: 1955-57. Feb. 21, 11.41; Apr. 24, 10.82; Sept. 4, 7.29.

1-5-8dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.70 below lsd, May 3, 1951; lowest 8.57 below lsd, Sept. 1, 1955. Records available: 1950-57. Feb. 21, 8.29; Apr. 24, 5.65; Sept. 4, 5.20.

1-5-9ba. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 38 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.18 below lsd, May 13, 1952; lowest 24.22 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

1-5-14dc. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.93 below lsd, Mar. 19, 1952; lowest 10.42 below lsd, Oct. 15, 1953. Records available: 1950-56. No measurement made in 1957.

1-5-16dd. (MB) U.S.G.S. Jetted observation water-table well in alluvium, diameter ¾ inch, depth 18 feet. Measuring point, top of pipe, 3.00

feet above lsd. Highest water level 9.70 below lsd, June 15, 1951; lowest dry, June 16, 1955. Records available: 1950-57. Feb. 21, 14.53; Apr. 24, 13.55; Sept. 4, 12.07.

1-5-17dd. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.10 below lsd, Aug. 6, 1951; lowest 15.53 below lsd, Oct. 15, 1954. Records available: 1950-57. Feb. 21, 15.49. Measurement discontinued.

1-5-18aa. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 8.80 below lsd, July 11, 1956; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 11.94; Apr. 24, 9.70; Sept. 4, 9.49.

1-5-18bb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 28 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 20.98 below lsd, Sept. 1, 1955; lowest 23.30 below lsd, Mar. 28, 1956. Records available: 1955-57. Feb. 21, 22.91; Apr. 24, 22.90; June 26, 22.73; Sept. 4, 22.95.

1-5-18cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 49.69 below lsd, Sept. 4, 1957; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 50.18; Apr. 24, 50.74; June 26, 50.57; Sept. 4, 49.69.

1-5-18da. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 93 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 69.32 below lsd, Sept. 4, 1957; lowest 70.85 below lsd, May 3, 1956. Records available: 1955-57. Feb. 21, 70.20; Apr. 24, 70.30; Sept. 4, 69.32.

1-5-19cb. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 65 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 28.55 below lsd, Sept. 4, 1957; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-57. Feb. 21, 32.30; Apr. 24, 32.38; June 26, 32.00; Sept. 4, 28.55.

1-5-19cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 60 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 32.45 below lsd, Sept. 4, 1957; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 33.74; Apr. 24, 33.70; June 26, 33.58; Sept. 4, 32.45.

1-5-20cc. (MB) U.S.B.R. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 38.20 below lsd, Mar. 28, 1955; lowest 43.10 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 39.80; Apr. 24, 39.86; Sept. 4, 39.18.

1-5-21cc. (MB) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 17.20 below lsd, Apr. 24, 1957; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-57. Feb. 21, 19.76; Apr. 24, 17.20; Sept. 4, 18.13.

1-5-28aa. (MB) U.S.G.S. Jetted observation water-table well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 13.50 below lsd, Aug. 6, 30, Dec. 4, 1951; lowest dry, June 16, 1955. Records available: 1950-57. Feb. 21, 16.31; Apr. 24, 16.32.

1-5-32cc. (MB) Fred Morlan. Dug observation water-table well in sand and gravel of Pleistocene age, diameter 96 inches, depth 27 feet. Measuring point, edge of brick casing, at land surface. Highest water level 10.55 below lsd, Sept. 4, 1957; lowest 15.36 below lsd, Mar. 28, 1956. Records available: 1953-57. Feb. 21, 15.29; Apr. 24, 13.30; Sept. 4, 10.55.

1-5-33ba. (MB) U.S.B.R. Bored observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 13 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.60 below lsd, Aug. 6, 1951; lowest dry, Feb. 29, Mar. 28, May 3, June 7, 1956. Records available: 1950-56. Measurement discontinued.

1-5-34bb. (MB) U.S.B.R. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.70 below lsd, Sept. 4, 1957; lowest dry, Apr. 24, 1957. Records available: 1949-57. Apr. 24, dry; Sept. 4, 12.70.

2-4-18cc. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 36 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.90 below lsd, July 5, 1951; lowest 18.83 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

2-4-18dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 44 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 22.00 below lsd, Dec. 4, 1951; lowest 31.80 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

2-4-31aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 17 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.38 below lsd, Mar. 19, 1952; lowest 8.67 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

2-4-32cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 24 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.07 below lsd, Mar. 19, 1952; lowest 13.65 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

2-5-2ba. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.00 below lsd, Aug. 6, 1951; lowest 10.96 below lsd, Jan. 12, 1956. Records available: 1950-56. No measurement made in 1957.

2-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 14.60 below lsd, Sept. 5, 1957; lowest 18.07 below lsd, Mar. 21,

1957. Records available: 1956-57. Feb. 20, 18.01; Mar. 21, 18.07; May 8, 16.69; Sept. 5, 14.60.

2-5-6bbb. (MB) Owner unknown. Drilled well in sand and gravel of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 39.37 below lsd, Aug. 8, 1956; lowest 40.37 below lsd, Apr. 24, 1957. Records available: 1955-57. Feb. 21, 40.29; Apr. 24, 40.37; June 26, 40.33; Sept. 4, 40.35.

2-5-6dd. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 46 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 19.49 below lsd, Sept. 5, 1957; lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 23.62; Mar. 21, 23.29; May 8, 22.87; Sept. 5, 19.49.

2-5-7bb. (MB) U.S.B.R. Jetted observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 22.98 below lsd, Sept. 4, 1957; lowest 26.80 below lsd, June 7, 1956. Records available: 1955-57. Feb. 21, 24.97; Apr. 24, 25.22; June 26, 24.85; Sept. 4, 22.98.

2-5-7dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 27.42 below lsd, Sept. 5, 1957; lowest 28.21 below lsd, May 8, 1957. Records available: 1956-57. Feb. 20, 28.17; Mar. 21, 28.10; May 8, 28.21; Sept. 5, 27.42.

2-5-8aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 15.10 below lsd, Mar. 29, 1956; lowest 16.25 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 16.20; Mar. 21, 16.17; May 8, 15.97; Sept. 5, 16.10.

2-5-10cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.60 below lsd, July 12, 1956; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 16.99; Mar. 21, 16.93; May 8, 14.54; Sept. 5, 13.09.

2-5-10dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 32.83 below lsd, May 8, 1957; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-57. Feb. 20, 33.26; Mar. 21, 33.10; May 8, 32.83; Sept. 5, 33.08.

2-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 28.95 below lsd, Mar. 29, 1956; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-57. Feb. 20, 29.77; Mar. 21, 29.80; May 8, 29.64; Sept. 5, 29.32.

2-5-17aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.85 below lsd, Sept. 5, 1957; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 13.67; Mar. 21, 13.64; May 8, 13.58; Sept. 5, 11.85.

2-5-18bb. (MB) U.S.B.R. Drilled observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 49 feet. Measuring point, top of

pipe, 2.20 feet above lsd. Highest water level 8.40 below lsd, Sept. 5, 1957; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 12.25; Mar. 21, 12.28; May 8, 10.92; Sept. 5, 8.40.

2-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.15 below lsd, Sept. 5, 1957; lowest 18.30 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 18.30; Mar. 21, 18.26; May 8, 17.08; Sept. 5, 16.15.

2-5-19cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 6.94 below lsd, July 12, 1956; lowest 10.20 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 10.20; Mar. 21, 10.16; May 8, 8.94; Sept. 5, 7.46.

2-5-20aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 23.40 below lsd, Sept. 5, 1957; lowest 25.65 below lsd, Sept. 20, 1956. Records available: 1956-57. Feb. 20, 25.30; Mar. 21, 25.16; May 8, 23.55; Sept. 5, 23.40.

2-5-20dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 13.35 below lsd, July 12, 1956; lowest 17.14 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 16.70; Mar. 21, 15.90; May 8, 15.10; Sept. 5, 13.90.

2-5-21aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.88 below lsd, Mar. 29, 1956; lowest 25.56 below lsd, Sept. 5, 1957. Records available: 1956-57. Feb. 20, 25.27; Mar. 21, 25.32; May 8, 25.36; Sept. 5, 25.56.

2-5-23dd. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 13 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 2.30 below lsd, July 5, 1951; lowest 8.96 below lsd, Mar. 21, 1957. Records available: 1950-57. Feb. 20, 8.88; Mar. 21, 8.96; May 8, 8.55; Sept. 5, 5.96.

2-5-27aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 59 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 33.40 below lsd, Mar. 29, 1956; lowest 34.78 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 34.74; Mar. 21, 34.78; May 8, 34.69; Sept. 5, 34.54.

2-5-27cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 48 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 28.21 below lsd, July 12, 1956; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-57. Feb. 20, 29.77; Mar. 21, 29.72; May 8, 29.90; Sept. 5, 29.10.

2-5-28aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 16.85 below lsd, July 12, 1956; lowest 19.57 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 19.57; Mar. 21, 19.50; May 8, 19.14; Sept. 5, 17.67.

2-5-28cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.46 below lsd, Mar. 29, 1956; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-57. Feb. 20, 14.90; Mar. 21, 14.82; May 8, 14.90; Sept. 5, 14.60.

2-5-30aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 29 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 22.90 below lsd, Sept. 5, 1957; lowest 24.57 below lsd, May 8, 1957. Records available: 1956-57. Feb. 20, 24.30; Mar. 21, 24.47; May 8, 24.57; Sept. 5, 22.90.

2-5-31aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 22.46 below lsd, May 9, 1956; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 23.06; Mar. 21, 22.95; May 8, 22.55; Sept. 5, 22.58.

2-5-31dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 20.38 below lsd, July 12, 1956; lowest 22.77 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 22.72; Mar. 21, 22.58; May 8, 22.30; Sept. 5, 22.30.

2-5-35bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 70 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 34.55 below lsd, Mar. 29, 1956; lowest 35.93 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 35.87; Mar. 21, 35.93.

2-5-35dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 38.38 below lsd, June 6, 1956; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 40.19; Mar. 21, 39.40; May 8, 39.34; Sept. 5, 39.29.

2-5-36ab. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.10 below lsd, Aug. 6, 1951; lowest 22.24 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

3-4-17bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 22 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.00 below lsd, July 3, 1951; lowest 11.69 below lsd, Feb. 20, 1957. Records available: 1950-57. Feb. 20, 11.69; Mar. 21, 10.90; May 8, 9.74; Sept. 5, 6.80.

3-4-17cc. (MB) U.S.G.S. Jetted observation well in sand, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.20 below lsd, July 3, 1951; lowest 8.99 below lsd, Sept. 22, 1955. Records available: 1950-57. May 8, 8.58.

3-4-28ab. (MB) U.S.G.S. Jetted observation well in sand, diameter  $\frac{3}{4}$  inch, depth 43 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 17.70 below lsd, Aug. 1, 1951; lowest 28.04 below lsd, Mar. 27, 1956. Records available: 1950-56. No measurement made in 1957.

3-4-29ab. (MB) U.S.G.S. Jetted observation well in sand, diameter  $\frac{3}{4}$  inch, depth 25 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest

water level 2.50 below lsd, July 2, 1951; lowest 9.64 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

3-4-30ba. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 48 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 41.35 below lsd, Sept. 5, 1957; lowest 44.91 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 44.91; May 8, 42.00; Sept. 5, 41.35.

3-4-32cc. (MB) U.S.G.S. Jetted observation well in sand, diameter  $\frac{3}{4}$  inch, depth 16 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 0.70 below lsd, June 13, 1951; lowest 8.84 below lsd, Mar. 21, 1957. Records available: 1950-57. Feb. 20, 8.09; Mar. 21, 8.84; May 8, 7.50; Sept. 5, 6.81.

3-5-1ab. (MB) U.S.G.S. Jetted observation well in sand, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.80 below lsd, June 15, 1951; lowest 13.73 below lsd, Nov. 8, 1956. Records available: 1950-57. Feb. 20, 12.97; Mar. 21, 12.90; May 8, 12.73; Sept. 5, 11.29.

3-5-2ba. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.66 below lsd, Mar. 29, May 9, 1956; lowest 20.20 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 20.20; May 8, 20.08; Sept. 5, 20.00.

3-5-3aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 16.45 below lsd, July 12, 1956; lowest 18.63 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 18.63; Mar. 21, 18.57; May 8, 18.45; Sept. 5, 18.59.

3-5-3cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.48 below lsd, May 9, 1956; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-57. Feb. 20, 26.83; Mar. 21, 26.54; May 8, 25.90; Sept. 5, 28.00.

3-5-4aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 47 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 23.83 below lsd, May 9, 1956; lowest 25.32 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 25.18; Mar. 21, 24.89; May 8, 24.97; Sept. 5, 24.95.

3-5-5aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 14.80 below lsd, Sept. 5, 1957; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 15.95; Mar. 21, 16.09; May 8, 15.32; Sept. 5, 14.80.

3-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 55 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 21.43 below lsd, July 12, 1956; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 24.10; Mar. 21, 23.95; May 8, 21.70; Sept. 5, 21.60.

3-5-6dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest



water level 18.42 below lsd, May 9, 1956; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-57. Feb. 20, 20.86; Mar. 21, 20.58; May 8, 19.08; Sept. 5, 20.76.

3-5-8cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 16.46 below lsd, July 12, 1956; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-57. Feb. 20, dry; May 8, dry; Sept. 5, 16.82.

3-5-9dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 20.46 below lsd, July 12, 1956; lowest 23.78 below lsd, Feb. 20, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 23.78; Mar. 21, 23.78; May 8, 20.97; Sept. 5, 21.20.

3-5-10aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.36 below lsd, Mar. 29, 1956; lowest 26.28 below lsd, Sept. 5, 1957. Records available: 1956-57. Feb. 20, 26.18; Mar. 21, 25.95; May 8, 26.23; Sept. 5, 26.28.

3-5-11cc. (MB) U.S.B.R. Bored observation well in clay, diameter  $1\frac{1}{4}$  inches, depth 17 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.89 below lsd, May 14, 1952; lowest dry, entire year of 1957. Records available: 1950-57. Dry entire year of 1957.

3-5-11dd. (MB) Rex Farrell. Dug unused well, diameter 36 inches, depth 40 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 13.71 below lsd, May 14, 1952; lowest 24.90 below lsd, May 8, 1957. Records available: 1950-57. May 8, 24.90; Sept. 5, 24.80.

3-5-12aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 19.00 below lsd, Sept. 5, 1957; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 20.24; Mar. 21, 20.37; May 8, 20.33; Sept. 5, 19.00.

3-5-12bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 18.83 below lsd, July 12, 1956; lowest 20.00 below lsd, May 8, 1957. Records available: 1956-57. Feb. 20, 19.72; Mar. 21, 19.80; May 8, 20.00; Sept. 5, 19.76.

3-5-12cd. (MB) U.S.B.R. Driven observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 27.05 below lsd, Mar. 29, 1956; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 29.45; Mar. 21, 29.50; May 8, 28.87; Sept. 5, 28.70.

3-5-13cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.30 below lsd, Mar. 29, 1956; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 19.41; Mar. 21, 19.68; May 8, 19.49; Sept. 5, 19.54.

3-5-13dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 43 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 35.60 below lsd, Mar. 29, 1956; lowest dry, entire year of 1957. Records available: 1956-57. Dry entire year of 1957.

3-5-14cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 26.14 below lsd, May 9, 1956; lowest 27.40 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 27.23; Mar. 21, 27.40; May 8, 27.22; Sept. 5, 27.22.

3-5-16bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 67 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 29.40 below lsd, Mar. 29, 1956; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 31.53; Mar. 21, 31.55; May 8, 31.11.

3-5-16cd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 54 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 27.75 below lsd, Mar. 29, 1956; lowest 30.16 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 30.16; Mar. 21, 30.11; May 8, 29.68; Sept. 5, 29.38.

3-5-16dd. (MB) U.S.B.R. Bored observation well in clay, diameter  $1\frac{1}{4}$  inches, depth 9 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.98 below lsd, Mar. 20, 1952; lowest dry, entire year of 1957. Records available: 1949-57. Dry entire year of 1957.

3-5-18cd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.37 below lsd, July 12, 1956; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 16.64; Mar. 21, 16.70; May 8, 15.65; Sept. 5, 16.56.

3-5-18dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 22.98 below lsd, July 12, 1956; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 24.56; Mar. 21, 24.46; May 8, 23.40; Sept. 5, 23.10.

3-5-20ab. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 20.94 below lsd, Mar. 29, 1956; lowest 23.80 below lsd, Nov. 8, 1956. Records available: 1956. No measurement made in 1957.

3-5-20cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 20.05 below lsd, Mar. 29, 1956; lowest dry, entire year of 1957. Records available: 1956-57. Dry entire year of 1957.

3-5-21cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 25.50 below lsd, Mar. 29, 1956; lowest 27.80 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 27.80; Mar. 21, 27.58; May 8, 27.10; Sept. 5, 26.96.

3-5-21dd. (MB) U.S.B.R. Bored observation well in clay, diameter  $1\frac{1}{4}$  inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.80 below lsd, May 14, 1952; lowest dry, entire year of 1957. Records available: 1949-57. Dry entire year of 1957.

3-5-22cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 26.10 below lsd, Mar. 29, 1956; lowest dry, May 8, 1957. Records

available: 1956-57. Feb. 20, 29.20; Mar. 21, 28.95; May 8, dry; Sept. 5, 28.80.

3-5-29cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 28 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 19.70 below lsd, Sept 5, 1957; lowest 23.56 below lsd, June 6, 1956. Records available: 1956-57. Feb. 20, 22.91; Mar. 21, 21.35; May 8, 21.46; Sept. 5, 19.70.

3-5-33cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 29 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 22.45 below lsd, Sept. 5, 1957; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-57. Feb. 20, 23.61; Mar. 21, 23.50; May 8, 22.50; Sept. 5, 22.45.

3-5-35bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 14.70 below lsd, July 12, 1956; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-57. Feb. 20, 18.50; Mar. 21, 18.57; May 8, 15.50; Sept. 5, 22.20.

4-4-4aa. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.05 below lsd, Feb. 23, 1950; lowest 19.72 below lsd, July 18, 1956. Records available: 1950-56. No measurement made in 1957.

4-4-4cc. (MB) U.S.G.S. Jetted well in alluvium, diameter  $\frac{3}{4}$  inch, depth 20 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 4.50 below lsd, July 2, 1951; lowest 12.39 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

4-4-5aa. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 34 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.80 below lsd, Aug. 1, 1951; lowest 7.05 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

4-4-6dc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 55 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 50.23 below lsd, Nov. 8, 1956; lowest 51.37 below lsd, Sept. 5, 1957. Records available: 1956-57. Feb. 20, 51.20; Mar. 21, 51.20; May 8, 50.80; Sept. 5, 51.37.

4-4-17dc. (MB) U.S.G.S. Jetted observation well in alluvium, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.00 below lsd, June 13, 1951; lowest 7.34 below lsd, Mar. 27, 1956. Records available: 1950-56. No measurement made in 1957.

4-4-21aa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 45 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.00 below lsd, Aug. 1, 1951; lowest 19.15 below lsd, July 18, 1956. Records available: 1950-56. No measurement made in 1957.

4-4-21bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.40 below lsd, Aug. 1, 1951; lowest 9.29 below lsd, Sept. 22, 1955. Records available: 1950-56. No measurement made in 1957.

4-4-28cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.30 below lsd, Aug. 1, 1951; lowest dry, entire year of 1953. Records available: 1950-56. No measurement made in 1957.

4-4-29cb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 28 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.40 below lsd, July 3, 1951; lowest dry, Feb. 19, 1957. Records available: 1950-57. Feb. 19, dry.

4-5-1ac. (MB) U.S.B.R. Drilled observation well, diameter 12 inches, depth 79 feet. Measuring point, top of tile, at land surface. Highest water level 28.00 below lsd, Sept. 20, 1949; lowest 35.84 below lsd, Mar. 21, 1957. Records available: 1949-57. Mar. 21, 35.84; May 8, 35.70.

4-5-1dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 63 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 24.39 below lsd, May 9, 1956; lowest 26.49 below lsd, Sept. 5, 1957. Records available: 1956-57. Feb. 20, 25.85; Mar. 21, 25.72; May 8, 25.49; Sept. 5, 26.49.

4-5-2cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 22.60 below lsd, Mar. 29, 1956; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 25.70; Mar. 21, 25.75; May 8, 25.10; Sept. 5, 24.00.

4-5-4dd. (MB) U.S.B.R. Driven observation well, diameter  $1\frac{1}{4}$  inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.20 below lsd, Sept. 5, 1957; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-57. Feb. 20, 17.12; Mar. 21, 17.15; May 8, 16.27; Sept. 5, 15.20.

4-5-5dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 18.57 below lsd, Sept. 5, 1957; lowest dry, Feb. 20, 1957. Records available: 1956-57. Feb. 20, dry; Sept. 5, 18.57.

4-5-9cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.19 below lsd, Sept. 5, 1957; lowest 17.04 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 16.93; Mar. 21, 17.04; May 8, 15.10; Sept. 5, 14.19.

4-5-11cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 13.22 below lsd, Sept. 5, 1957; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-57. Feb. 20, 15.28; Mar. 21, 19.35; May 8, 19.50; Sept. 5, 13.22.

4-5-14aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 15.33 below lsd, Mar. 29, 1956; lowest 18.34 below lsd, Nov. 8, 1956. Records available: 1956. No measurement made in 1957.

4-5-15bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 35 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest

water level 24.00 below lsd, Sept. 5, 1957; lowest 28.88 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 28.85; Mar. 21, 28.88; May 8, 27.20; Sept. 5, 24.00.

4-5-15cc. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.43 below lsd, Sept. 5, 1957; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 13.37; Mar. 21, 13.65; May 8, 4.95; Sept. 5, 4.43.

4-5-15dd. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 19.03 below lsd, Sept. 5, 1957; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 22.05; Mar. 21, 22.10; May 8, 20.85; Sept. 5, 19.03.

4-5-17bb. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 19.05 below lsd, May 9, 1956; lowest dry, May 8, 1957. Records available: 1956-57. Feb. 20, 21.07; Mar. 21, 21.35; May 8, dry; Sept. 5, 20.45.

4-5-23aa. (MB) U.S.B.R. Drilled observation well, diameter  $1\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 9.75 below lsd, Sept. 5, 1957; lowest 16.20 below lsd, Mar. 21, 1957. Records available: 1956-57. Feb. 20, 16.15; Mar. 21, 16.20; May 8, 14.00; Sept. 5, 9.75.

#### RUSH COUNTY

18-20-23cd. (C) Owner unknown. Unused water-table well in terrace deposits of Pleistocene age, diameter 5 inches, depth 50 feet. Measuring point, top north side of casing, 0.50 foot above lsd, since Oct. 9, 1957. Highest water level 23.78 below lsd, Feb. 4, 1954; lowest 35.94 below lsd, Jan. 22, 1957. Records available: 1954-57. Jan. 22, 35.94; Apr. 10, 35.69; Oct. 9, 34.50.

#### RUSSELL COUNTY

45. (C) Jacob Flegler. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 15 S., R. 14 W. Dug stock water-table well in colluvium, diameter 28 to 32 inches, depth 27 feet, cribbed with rock. Measuring point, top east edge of rock casing, 0.70 foot above lsd. Highest water level 18.39 below lsd, July 12, 1945; lowest 24.28 below lsd, Aug. 20, 1941. Records available: 1941-57. Jan. 22, 22.51; Apr. 9, 21.02; June 16, 18.91; Oct. 9, 19.62.

80. (C) Joseph Furthmyer, Jr. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 14 S., R. 15 W. Dug unused water-table well in deposits of Pleistocene age, diameter 5 feet, depth 15 feet, cribbed with rock. Measuring point, top east edge of rock casing, 0.80 foot above lsd. Highest water level 3.40 below lsd, Apr. 14, 1942; lowest 7.76 below lsd, June 29, 1943; Records available: 1941-57. Jan. 22, 5.94; Apr. 9, 4.45; July 16, 4.54; Oct. 9, 4.90.

81. (C) Joseph Furthmyer, Jr. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 14 S., R. 15 W. Drilled stock water-table well in Dakota Formation, diameter 6 inches, depth 224 feet. Measuring point, top west edge of casing, 0.30 foot above lsd. Highest water level 101.85 below lsd, Aug. 29, 1941; lowest 134.71 below lsd, July 10, 1947. Records available: 1941-57. Jan. 22, 121.33; Apr. 9, 120.53; July 16, 120.12; Oct. 9, 119.99.

117. (C) Marie Dutt and others. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 13 S., R. 14 W. Dug unused water-table well in alluvium, diameter 26 to 32 inches, depth 14 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.30 foot above lsd. Highest water level 4.70 below lsd, Apr. 13, 1942; lowest 10.61 below lsd, Dec. 20, 1943. Records available: 1941-57. Jan. 22, 8.49; Apr. 9, 8.05; July 16, 6.03; Oct. 9, 6.09.

146. (C) D.P. Steinle. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 24, T. 14 S., R. 12 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 17 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.60 foot above lsd. Highest water level 12.60 below lsd, July 29, 1952; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-57. Jan. 22, 14.76; Apr. 9, 14.60; July 16, 14.45; Oct. 9, 14.98.

148. (C) John Penix. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 13, T. 14 S., R. 13 W. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 28 to 36 inches, depth 12 feet, cribbed with rock. Measuring point, top south edge of rock casing, 1.30 feet above lsd. Highest water level 3.13 below lsd, Apr. 16, 1952; lowest 7.93 below lsd, July 25, 1956. Records available: 1941-57. Jan. 22, 7.74; Apr. 9, 6.26; July 16, 6.51; Oct. 9, 7.05.

149. (C) George Boxberger, Jr. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 22, T. 14 S., R. 14 W. Dug unused water-table well in Greenhorn Limestone, diameter 32 to 36 inches, depth 23 feet, cribbed with rock. Measuring point, top west edge of rock casing, 1.30 feet above lsd. Highest water level 17.24 below lsd, July 29, 1952; lowest 21.54 below lsd, June 29, 1943. Records available: 1941-57. Jan. 22, 20.72; Apr. 9, 20.35; July 16, 18.65; Oct. 9, 18.77.

#### SALINE COUNTY

14-2-19dc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 4.11 below lsd, Aug. 17, 1951; lowest 22.08 below lsd, May 8, 1957. Records available: 1951-53, 1955-57. Mar. 18, 21.85; May 8, 22.08; June 10, 22.00; Aug. 19, 21.07; Oct. 11, 20.17; Nov. 15, 19.94.

14-2-30cd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 1.13 below lsd, Oct. 1, 1951; lowest 17.77 below lsd, Aug. 19, 1955. Records available: 1951-53, 1955-57. Mar. 18, 16.54; May 8, 16.13; June 10, 13.99; Aug. 19, 10.90; Oct. 11, 11.46; Nov. 15, 11.94.

14-3-25ad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 25 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.08 below lsd, Aug. 17, 1951; lowest 17.77 below lsd, May 8, 1957. Records available: 1951-53, 1955-57. Mar. 18, 17.60; May 8, 17.77. Measurement discontinued.

15-2-17cd. (MB) U.S.G.S. Driven and drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 9.58 below lsd, Oct. 1, 1951; lowest 27.40 below lsd, May 11, 1956. Records available: 1946-57. Mar. 18, 27.23; May 8, 26.91; June 10, 24.22; Aug. 19, 21.18; Oct. 11, 21.18; Nov. 15, 21.58.

15-2-18cd. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 28.65 below lsd, Sept. 7, 1956. Records available: 1946-57. Mar. 18, 27.44; May 8, 26.12; June 10, 24.04; Aug. 19, 22.63; Oct. 11, 21.95; Nov. 15, 22.82.

15-2-19bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.34 below lsd, Feb. 26, 1952; lowest 25.45 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-57. Mar. 18, 25.45; May 8, 25.37; June 10, 25.10; Aug. 19, 24.66; Oct. 11, 22.76; Nov. 15, 22.20.

15-2-30dc. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.56 below lsd, July 24, 1951; lowest 24.59 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-57. Mar. 18, 24.59; May 8, 24.42; June 10, 22.27; Aug. 19, 20.14; Oct. 11, 20.55; Nov. 15, 21.29.

15-2-31ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 7.92 below lsd, Nov. 9, 1951; lowest 20.30 below lsd, June 10, 1957. Records available: 1950-53, 1955-57. Mar. 18, 17.44; May 8, 17.66; June 10, 20.30; Aug. 19, 19.45; Oct. 11, 18.79; Nov. 15, 18.41.

15-2-32baa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.72 below lsd, Aug. 17, 1951; lowest 27.60 below lsd, Oct. 5, 1950. Records available: 1950-53, 1955-56. Measurement discontinued.

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, 1955-57. Mar. 18, 24.86; May 8, 24.97; June 10, 24.27; Aug. 19, 22.80; Oct. 11, 22.03; Nov. 15, 21.45.

15-3-12dd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 10.02 below lsd, Nov. 9, 1951; lowest 25.14 below lsd, Mar. 18, 1957. Records available: 1951-53, 1955-57. Mar. 18, 25.14; May 8, 24.83; June 10, 24.07; Aug. 19, 21.70; Oct. 11, 21.34; Nov. 15, 21.57.

15-3-24dd. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 35 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 4.30 below lsd, July 24, 1951; lowest 24.52 below lsd, Dec. 17, 1956. Records available: 1946-53, 1955-57. Mar. 18, 24.48; May 8, 24.37; June 10, 23.49; Aug. 19, 22.27; Oct. 11, 21.88; Nov. 15, 21.84.

15-3-25ccd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 21 feet. Measuring point, top of

pipe, 2.50 feet above lsd. Highest water level 7.20 below lsd, Aug. 17, 1951; lowest dry, Mar. 18, 1957. Records available: 1950-53, 1955-57. Mar. 18, dry; May 8, 17.32; June 10, 15.97; Aug. 19, 18.03; Oct. 11, 18.07; Nov. 15, 16.98.

15-3-36ab. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.57 below lsd, Nov. 9, 1951; lowest 32.25 below lsd, Aug. 19, 1957. Records available: 1946-53, 1955-57. Mar. 18, 31.46; May 8, 31.24; June 10, 30.65; Aug. 19, 32.25; Oct. 11, 30.17; Nov. 15, 29.72.

16-2-7bb. (MBC) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 10.29 below lsd, July 24, 1951; lowest 23.35 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-57. Mar. 18, 23.35; May 8, 22.93; June 10, 21.89; Aug. 19, 20.36; Oct. 11, 19.85; Nov. 15, 20.04.

16-2-8ccc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.94 below lsd, Oct. 20, 1950; lowest 25.44 below lsd, May 8, 1957. Records available: 1950-53, 1955-57. Mar. 18, 25.31; May 8, 25.44; June 10, 25.40; Aug. 19, 25.27; Oct. 11, 25.05; Nov. 15, 24.90.

16-2-18cc. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 11.76 below lsd, Aug. 17, 1951; lowest 27.39 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-57. Mar. 18, 27.39; May 8, 25.65; June 10, 26.06; Aug. 19, 17.90; Oct. 11, 22.24; Nov. 15, 23.10.

16-2-19ab. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 36 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.03 below lsd, Aug. 17, 1951; lowest 24.80 below lsd, May 11, 1956. Records available: 1946-53, 1955-56. Measurement discontinued.

16-3-12bcb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 6.10 below lsd, Oct. 1, 1951; lowest 23.10 below lsd, Nov. 21, 1950. Records available: 1950-53, 1955-57. Mar. 18, 16.26; May 8, 16.43; June 10, 15.35; Aug. 19, 15.14; Oct. 11, 14.83; Nov. 15, 14.25.

16-3-13aaa. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 13.18 below lsd, Oct. 1, 1951; lowest 22.11 below lsd, July 31, Sept. 7, 1956. Records available: 1950-53, 1955-57. Mar. 18, 22.05; May 8, 22.10; June 10, 22.00; Aug. 19, 22.04; Oct. 11, 22.02; Nov. 15, 22.01.

16-3-13cd. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 48 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 26.25 below lsd, Sept. 7, 1956. Records



available: 1946-53, 1955-57. Mar. 18, 26.10; May 8, 25.67; June 10, 24.34; Aug. 19, 22.20; Oct. 11, 21.47; Nov. 15, 21.49.

16-3-26dcd. (MB C) U.S.G.S. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 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: 1946-57. Mar. 18, 22.92; May 8, 22.46; June 10, 20.10; Aug. 19, 20.77; Oct. 11, 17.97; Nov. 15, 18.67.

16-3-33ddd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 40 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.77 below lsd, Oct. 1, 1951; lowest 21.28 below lsd, Sept. 7, 1956. Records available: 1951-53, 1955-57. Mar. 18, 20.91; May 8, 20.62; June 10, 19.55; Aug. 19, 19.74; Oct. 11, 18.85; Nov. 15, 18.24.

#### SCOTT COUNTY

1. (C) Mrs. Rosine Smith. NW $\frac{1}{4}$  sec. 9, T. 20 S., R. 33 W. Drilled unused water-table well in Ogallala Formation, diameter 24 inches, depth 100 feet. Measuring point, top of concrete at edge of pump base, 0.10 foot above lsd, since Oct. 3, 1957. Highest water level 55.89 below lsd, May 14, 1934; lowest dry, Mar. 22, Nov. 19, Dec. 17, 1956. Records available: 1931-57. Oct. 3, 77.92; Nov. 21, 77.55; Dec. 18, 77.27.

1A. (C) Division of Water Resources. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 3, T. 20 S., R. 33 W. Drilled observation water-table well in Ogallala Formation, diameter 7 inches, depth 69 feet. Measuring point, top south side of casing, 0.80 foot above lsd. Highest water level 53.42 below lsd, Aug. 16, 18, 1940; lowest dry, entire year of 1957. Records available: 1940-57. Dry entire year of 1957.

2. (C) E. E. Coffin. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 24, T. 18 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 18 inches, depth 47 feet. Measuring point, top south edge of casing, at land surface. Highest water level 20.48 below lsd, June 11, 1952; lowest 45.50 below lsd, Dec. 17, 1956. Records available: 1934-56. Measurement discontinued.

2A. (C) State of Kansas. SE $\frac{1}{4}$  sec. 26, T. 18 S., R. 33 W. Drilled observation water-table well in deposits of Pleistocene age, diameter 8 inches, depth 60 feet. Measuring point, top south side of casing, 0.30 foot above lsd. Highest water level 19.85 below lsd, May 8, 1952; lowest 44.82 below lsd, Sept. 1, 1957. Records available: 1944-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.30	43.05	43.41	.....	43.02	42.71	42.50	.....	44.82	44.80	44.54	44.16
10	43.26	43.03	43.35	.....	42.98	43.09	42.34	44.11	44.78	.....	44.47	44.12
15	43.17	43.31	43.45	.....	42.97	43.02	42.26	44.19	44.70	44.71	44.40	44.05
20	43.13	43.34	43.32	.....	42.92	42.94	42.27	44.28	44.62	44.69	44.38	.....
25	43.12	43.28	.....	43.04	42.91	42.84	42.38	44.36	44.63	44.64	.....	43.92
30	43.08	.....	.....	43.04	42.87	42.67	42.99	44.61	44.60	44.61	44.26	43.84

19. (C) Mr. Fouquet. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 12, T. 18 S., R. 33 W. Drilled irrigation water-table well in Ogallala Formation, diameter 12 inches,

depth 71 feet. Measuring point, top of hole in pump base, 1.00 foot above lsd. Highest water level 43.38 below lsd, May 26, 1952; lowest 65.89 below lsd, Dec. 17, 1956. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	60.69	Apr. 24	59.58	July 10	58.76	Oct. 15	61.63
Feb. 14	59.50	May 8	59.56	Aug. 6	63.09	Nov. 21	60.73
Mar. 11	60.17	June 10	59.13	Sept. 10	65.60	Dec. 18	63.18

50. (C) F. M. Houstin. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 129 feet. Measuring point, top of concrete platform, 1.50 feet above lsd. Highest water level 86.10 below lsd, Oct. 13, 1953; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-57. Jan. 9, 86.98; Apr. 24, 87.26; July 10, 86.65; Oct. 15, 87.19.

SEDGWICK COUNTY

12. (C) Dr. A. D. Updegraph. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 26, T. 25 S., R. 1 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 54 feet. Measuring point, steel plate on instrument shelf, 2.99 feet above lsd. Highest water level 10.05 below lsd, July 25, 1951; lowest 20.50 below lsd, Jan. 31, 1957. Records available: 1937-57.

Jan. 31	20.50	May 1	19.57	Aug. 1	16.67	Oct. 24	18.84
Feb. 21	20.35	24	17.99	23	17.03	Nov. 1	17.83
Mar. 1	20.34	31	17.76	30	17.13	22	18.02
25	20.34	June 21	17.39	Sept. 24	17.53	Dec. 5	18.08
Apr. 2	20.28	27	17.28	Oct. 2	17.60	24	18.20
24	19.75	July 24	16.60				

26. (C) Wichita Water Co. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 18, T. 27 S., R. 1 E. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 26 inches, depth 47 feet. Measuring point, steel plate on instrument shelf, 3.01 feet above lsd. Highest water level 4.24 below lsd, July 2, 1951; lowest 28.59 below lsd, Sept. 8, 1954. Records available: 1937-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.54	14.70	13.90	12.89	12.69	10.60	7.66	12.83	14.29	13.58	12.78	13.07
10	14.87	14.46	13.75	12.34	12.52	10.59	10.46	.....	13.95	13.22	12.94	13.14
15	.....	14.14	13.91	12.87	10.69	10.98	12.19	.....	13.33	13.09	12.94	13.15
20	14.50	14.01	13.86	13.49	8.55	10.73	14.24	15.03	11.22	13.04	12.97	13.19
25	14.64	.....	13.68	12.99	9.97	10.64	13.05	14.94	11.42	13.07	12.95	13.15
30	.....	.....	12.99	12.79	10.82	8.79	13.14	14.99	12.15	12.52	13.08	.....

114. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.31 below lsd, July 1, 1957; lowest 9.66 below lsd, Mar. 1, 1957. Records available: 1954-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	9.60	May 1	9.42	Aug. 1	5.49	Nov. 1	6.13
Mar. 1	9.66	31	7.12	30	6.10	Dec. 5	5.99
Apr. 1	9.58	July 1	5.31	Oct. 2	5.84		

115. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 22, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.22 below lsd, July 1, 1957; lowest 8.83 below lsd, Nov. 1, 1956. Records available: 1954-57.

Jan. 31	8.55	May 1	7.67	Aug. 1	5.35	Nov. 1	5.30
Mar. 1	8.52	31	4.93	30	6.38	Dec. 5	5.23
Apr. 1	8.42	July 1	3.22	Oct. 2	5.82		

116. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.20 below lsd, June 29, 1954; lowest 21.53 below lsd, Apr. 1, May 1, 1957. Records available: 1954-57.

Jan. 31	21.28	May 1	21.53	Aug. 1	18.56	Nov. 1	18.70
Mar. 1	21.36	31	20.22	30	18.52	Dec. 5	18.80
Apr. 1	21.53	July 1	19.38	Oct. 2	18.53		

117. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 20, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.60 below lsd, Aug. 1, 1957; lowest 14.79 below lsd, Apr. 1, 1957. Records available: 1954-57.

Jan. 31	14.62	May 1	14.65	Aug. 1	11.60	Nov. 1	11.99
Mar. 1	14.73	31	13.16	30	11.82	Dec. 5	12.20
Apr. 1	14.79	July 1	12.39	Oct. 2	12.00		

124. (C) City of Wichita. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 5, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, depth 138 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.19 below lsd, July 1, 1957; lowest 20.73 below lsd, Mar. 1, 1957. Records available: 1955-57.

Jan. 31	20.70	May 1	20.06	Aug. 1	17.49	Nov. 1	18.28
Mar. 1	20.73	31	17.15	30	17.98	Dec. 5	18.54
Apr. 1	19.86	July 1	13.19	Oct. 2	18.17		

125. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 10, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 131 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest

water level 5.86 below lsd, June 27, 1957; lowest 14.96 below lsd, Nov. 30, 1956. Records available: 1956-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	14.95	May 1	13.81	Aug. 1	11.40	Nov. 1	12.99
Mar. 1	14.92	31	10.95	30	12.35	Dec. 5	12.20
Apr. 1	13.80	June 27	5.86	Oct. 2	12.80		

126. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 22, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 40 feet. Measuring point, at land surface. Highest water level 10.87 below lsd, July 1, 1957; lowest 15.84 below lsd, Jan. 31, 1957. Records available: 1955-57.

Jan. 31	15.84	May 1	14.02	Aug. 1	11.38	Nov. 1	12.68
Mar. 1	14.95	31	11.03	30	12.13	Dec. 5	12.95
Apr. 1	14.22	July 1	10.87	Oct. 2	12.60		

127. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 27, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 52 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.59 below lsd, Dec. 1, 1955; lowest 15.82 below lsd, Mar. 1, 1956. Records available: 1955-56. Measurement discontinued.

307. (C) J. R. Clark. NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 92 feet. Measuring point, top of pipe, 1.27 feet above lsd. Highest water level 9.08 below lsd, May 12, 13, 20, 1945; lowest 34.45 below lsd, May 1, 1957. Records available: 1937-54, 1956-57.

Jan. 31	33.63	May 1	34.45	Aug. 1	33.48	Nov. 1	33.42
Mar. 1	33.65	31	33.98	30	33.79	Dec. 5	32.67
Apr. 1	34.31	July 1	33.46	Oct. 2	33.64		

804. (C) City of Wichita. SE cor. SE $\frac{1}{4}$  sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 26 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 0.10 below lsd, Aug. 4, 1950; lowest 7.25 below lsd, Dec. 1, 1955. Records available: 1938-57.

Jan. 31	6.39	May 1	5.23	Aug. 1	2.80	Nov. 1	3.90
Mar. 1	6.35	31	3.59	30	3.90	Dec. 30	4.13
Apr. 1	6.07	July 1	1.41	Oct. 2	3.99		

805. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 19, T. 26 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 41 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.57 below lsd, May 2, 1945; lowest 8.66 below lsd, Jan. 3, 1956. Records available: 1938-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	7.42	May 1	6.52	Aug. 1	5.05	Nov. 1	5.27
Mar. 1	7.32	31	5.22	30	5.68	Dec. 30	5.17
Apr. 1	7.12	July 1	3.19	Oct. 2	5.49		

807. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-57.

Jan. 31	25.30	May 1	25.07	Aug. 1	23.21	Nov. 1	23.54
Mar. 1	25.30	31	24.59	30	23.40	Dec. 30	23.38
Apr. 1	25.23	July 1	17.97	Oct. 2	23.93		

808. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 18, T. 26 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest dry, entire year of 1956. Records available: 1938-53, 1955-56. Measurement discontinued.

809. (C) City of Wichita. NW cor. sec. 21, T. 26 S., R. 1 E. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.68 below lsd, Jan. 31, 1957. Records available: 1938-57.

Jan. 31	17.68	May 1	16.47	Aug. 1	13.18	Nov. 1	13.68
Mar. 1	17.64	31	15.41	30	13.52	Dec. 30	13.90
Apr. 1	17.48	July 1	14.38	Oct. 2	13.64		

810. (C) City of Wichita. NE cor. SE $\frac{1}{4}$  sec. 35, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 14.82 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1938-57.

Jan. 31	14.75	May 1	13.68	Aug. 1	11.41	Nov. 1	13.11
Mar. 1	14.75	31	10.72	30	12.46	Dec. 5	13.35
Apr. 1	14.53	July 1	11.03	Oct. 2	13.01		

811. (C) City of Wichita. SE cor. SE $\frac{1}{4}$  sec. 33, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.27 below lsd, July 10, 1951; lowest 11.08 below lsd, Mar. 1, 1957. Records available: 1938-57.

Jan. 31	11.05	May 1	10.55	Aug. 1	8.34	Nov. 1	9.17
Mar. 1	11.08	31	9.26	30	8.81	Dec. 5	9.30
Apr. 1	10.96	July 1	8.43	Oct. 2	9.07		

812. (C) City of Wichita. NW cor. NW¼ sec. 27, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.30 below lsd, Aug. 31, 1949; lowest 18.91 below lsd, Feb. 10, 1947. Records available: 1938-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	15.24	May 1	14.88	Aug. 1	11.75	Nov. 1	12.50
Mar. 1	15.07	31	13.09	30	12.11	Dec. 5	12.78
Apr. 1	15.24	July 1	12.19	Oct. 2	12.39		

814. (C) City of Wichita. SE cor. SE¼ sec. 14, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.23 below lsd, July 10, 1951; lowest 19.00 below lsd, Apr. 1, 1957. Records available: 1938-57.

Jan. 31	18.98	May 1	18.99	Aug. 1	17.16	Nov. 1	14.64
Mar. 1	18.95	31	15.19	30	16.86	Dec. 5	16.22
Apr. 1	19.00	July 1	17.50	Oct. 2	16.80		

815. (C) City of Wichita. NE cor. NE¼ sec. 17, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 7.65 below lsd, May 11, 1945; lowest 19.69 below lsd, Apr. 1, 1957. Records available: 1938-57.

Jan. 31	19.54	May 1	19.50	Aug. 1	15.86	Nov. 1	16.49
Mar. 1	19.63	31	17.77	30	16.12	Dec. 5	16.74
Apr. 1	19.69	July 1	16.68	Oct. 2	16.29		

816. (C) City of Wichita. SW cor. SW¼ sec. 7, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.32 below lsd, Oct. 8, 1945; lowest 25.32 below lsd, May 1, 1957. Records available: 1938-57.

Jan. 31	24.95	May 1	25.32	Aug. 1	22.78	Nov. 1	22.74
Mar. 1	25.07	31	24.58	30	22.70	Dec. 5	22.82
Apr. 1	25.23	July 1	23.80	Oct. 2	22.67		

825. (C) City of Wichita. NE cor. NE¼ sec. 3, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-57.

Jan. 31	13.10	May 1	14.56	Aug. 1	10.32	Nov. 1	11.01
Mar. 1	15.12	31	12.71	30	10.87	Dec. 5	11.93
Apr. 1	15.05	July 1	10.56	Oct. 2	11.08		

826. (C) City of Wichita. NE. cor. NE $\frac{1}{4}$  sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 18 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.12 below lsd, May 9, 1944; lowest 16.80 below lsd, Nov. 1, 1956. Records available: 1939-49, 1955-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	15.89	May 1	15.28	Aug. 1	10.49	Nov. 1	12.35
Mar. 1	16.28	31	9.98	30	11.50	Dec. 5	12.65
Apr. 1	15.82	July 1	5.52	Oct. 2	11.99		

830. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 30, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 57 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.35 below lsd, Nov. 30, 1951; lowest 31.56 below lsd, Dec. 1, 1954. Records available: 1938-57.

Jan. 31	30.44	May 1	29.84	July 1	27.38	Aug. 30	28.45
Mar. 1	30.27	31	28.60	Aug. 1	27.72	Oct. 2	28.08
Apr. 1	30.22						

834. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 9, T. 25 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 18 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 13.04 below lsd, Oct. 1, 1956. Records available: 1938-57.

Jan. 31	12.05	May 1	11.14	Aug. 1	8.82	Nov. 1	9.60
Mar. 1	11.95	31	9.22	30	10.19	Dec. 30	9.96
Apr. 1	11.71	July 1	6.49	Oct. 2	9.47		

840. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 9, T. 25 S., R. 2 W. Drilled well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 233 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 0.53 below lsd, Sept. 30, 1945; lowest 16.33 below lsd, Apr. 1, 1955. Records available: 1938-50, 1952-57.

Jan. 31	15.95	May 1	16.25	Aug. 1	12.75	Nov. 1	12.82
May 1	16.09	31	14.22	30	12.83	Dec. 5	12.88
Apr. 1	16.18	July 1	13.25	Oct. 2	12.65		

842. (C) City of Wichita. NW cor. NW $\frac{1}{4}$  sec. 16, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 10.48 below lsd, Mar. 1, 1957. Records available: 1939-57.

Jan. 31	10.38	May 1	10.00	Aug. 1	6.07	Nov. 1	6.76
Mar. 1	10.48	31	6.78	30	7.11	Dec. 5	6.62
Apr. 1	10.32	July 1	5.81	Oct. 2	6.92		

847. (C) City of Wichita. SW cor. SE $\frac{1}{4}$  sec. 6, T. 27 S., R. 1 E. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.55 below lsd, May 8, 1944; lowest 18.87 below lsd, Oct. 1, 1956. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	18.04	May 1	16.47	July 1	15.10	Aug. 30	16.88
Mar. 1	17.75	31	14.49	Aug. 1	15.92	Dec. 30	17.02
Apr. 1	17.16						

870. (C) W. Williams. NW $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 25 S., R. 2 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 19 feet. Measuring point, top of pipe, top of pump base, 2.50 feet above lsd. Highest water level 0.33 below lsd, July 10, 1951; lowest 9.52 below lsd, Dec. 1, 1954. Records available: 1939-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	9.07	May 1	1.37	Aug. 30	7.48	Nov. 1	7.23
Mar. 1	9.11	31	2.60	Oct. 2	6.38	Dec. 5	7.05
Apr. 1	8.36	Aug. 1	6.52				

1171. (C) City of Wichita. NE cor. NE $\frac{1}{4}$  sec. 4, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 22.17 below lsd, Apr. 2, 1957. Records available: 1950-57. Apr. 2, 22.17; May 31, 20.67; July 1, 20.27; Oct. 2, 19.58; Dec. 5, 19.78.

1176. (C) City of Wichita. SW cor. SW $\frac{1}{4}$  sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1950-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	24.50	May 1	24.73	Aug. 1	21.32	Nov. 1	21.94
Mar. 1	24.61	31	22.38	30	21.55	Dec. 5	20.04
Apr. 2	24.71	July 1	21.76	Oct. 2	22.69		

3004. (C) City of Wichita. SE cor. sec. 1, T. 25 S., R. 3 W. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  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: 1949-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	11.86	May 1	11.63	Aug. 1	8.07	Nov. 1	8.60
Mar. 1	11.90	31	9.80	30	8.59	Dec. 5	8.41
Apr. 2	11.81	July 1	8.79	Oct. 2	8.44		

3030. (C) City of Wichita. SW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age,



diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 4.24 below lsd, July 10, 1951; lowest 16.98 below lsd, May 1, 1957. Records available: 1950-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	16.68	May 1	16.98	Aug. 1	14.04	Nov. 1	14.14
Mar. 1	16.85	31	15.38	30	14.04	Dec. 5	14.13
Apr. 2	16.96	July 1	14.64	Oct. 2	14.01		

3041. (C) City of Wichita. SE cor. SE¼ sec. 3, T. 25 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, depth 17 feet. Measuring point at land surface. Highest water level 9.60 below lsd, July 1, 1957; lowest 13.63 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1953-57.

Jan. 31	13.26	May 1	12.50	Aug. 1	9.87	Nov. 1	11.03
Mar. 1	13.24	31	10.23	30	10.95	Dec. 5	10.95
Apr. 2	13.15	July 1	9.60	Oct. 2	10.90		

3044. (C) City of Wichita. SW cor. SW¼ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age. Measuring point at land surface. Highest water level 6.31 below lsd, Aug. 1, 1957; lowest 10.57 below lsd, Mar. 1, 1957. Records available: 1953-57.

Jan. 31	10.54	May 1	10.12	Aug. 1	6.39	Nov. 1	7.64
Mar. 1	10.57	31	7.60	30	7.56	Dec. 5	7.39
Apr. 2	10.48	July 1	6.78	Oct. 2	7.69		

3045. (C) Frisco Railroad. SW¼ NW¼ NW¼ sec. 13, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 65 feet. Measuring point, steel plate on instrument shelf, 3.05 feet above lsd. Highest water level 17.49 below lsd, June 25, 1954; lowest 21.16 below lsd, Apr. 30, 1957. Records available: 1954-57.

Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	20.87	20.99	21.09	21.07	19.15	18.43	18.05	18.31	18.30	18.40	18.38
10	.....	20.91	21.06	21.13	21.03	19.09	18.25	18.07	18.23	18.31	18.36	18.36
15	.....	20.88	21.12	21.14	20.83	19.01	18.15	18.11	.....	.....	.....	18.34
20	.....	.....	21.11	21.15	.....	19.00	18.08	18.12	.....	.....	.....	18.33
25	20.87	20.90	21.01	21.12	.....	19.92	17.95	18.20	.....	.....	.....	18.47
30	20.87	.....	21.07	21.16	19.31	19.65	17.96	18.32	18.28	18.40	18.38	18.44

3050. (C) City of Wichita. SE cor. SE¼ sec. 24, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age. Measuring point at land surface. Highest water level 6.47 below lsd, May 1, 1952; lowest 12.20 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1952-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	12.11	May 1	11.99	Aug. 1	8.88	Nov. 1	9.59
Mar. 1	12.20	31	10.08	30	9.21	Dec. 5	9.70
Apr. 2	12.20	July 1	9.50	Oct. 2	9.50		

M-25b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 31.67 below lsd, Apr. 1, 1957. Records available: 1939-57.

Jan. 31	31.22	May 1	31.19	Aug. 1	31.05	Nov. 1	30.47
Mar. 1	30.81	31	31.61	Sept. 2	31.10	Dec. 5	29.80
Apr. 1	31.67	July 2	31.00	Oct. 2	30.96		

M-27. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 215 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 88.50 below lsd, Apr. 1, 1957. Records available: 1947, 1949-57.

Jan. 31	29.00	May 1	83.00	Aug. 1	74.00	Nov. 1	72.00
Mar. 1	32.00	31	76.00	Sept. 2	73.00	Dec. 5	68.50
Apr. 1	88.50	July 1	75.00	Oct. 2	70.00		

M-27a. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 82 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 15.12 below lsd, Sept. 2, 1949; lowest 33.51 below lsd, May 31, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	31.35	Apr. 1	33.03	May 31	33.51	Aug. 1	32.87
Mar. 1	31.65	May 1	32.55	July 1	33.10		

M-27b. (C) City of Wichita. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 3, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 80 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 12.62 below lsd, Oct. 4, 1948; lowest 32.51 below lsd, May 1, 1957. Records available: 1947-57.

Jan. 31	30.72	May 1	32.51	Aug. 1	31.73	Nov. 1	31.60
Mar. 1	31.03	31	32.41	Sept. 2	31.72	Dec. 5	31.00
Apr. 1	32.03	July 1	32.04	Oct. 2	31.06		

M-28. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 220 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.09 below lsd, July 8, 1949; lowest 88.00 below lsd, Aug. 1, 1956. Records available: 1947, 1949-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	32.00	May 1	74.50	Aug. 1	34.50	Nov. 1	32.00
Mar. 1	33.00	31	36.00	Sept. 2	36.00	Dec. 5	33.00
Apr. 1	73.00	July 1	69.00	Oct. 2	34.00		

M-28a. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 80 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 14.39 below lsd, Sept. 2, 1949; lowest 33.71 below lsd, May 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	32.64	Apr. 1	33.43	May 31	33.23	Aug. 1	32.95
Mar. 1	32.81	May 1	33.71	July 1	33.20		

M-28b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 82 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.55 below lsd, Oct. 4, 1948; lowest 33.00 below lsd, May 1, 1957. Records available: 1947-57.

Jan. 31	32.15	May 1	33.00	Aug. 1	32.41	Nov. 1	32.34
Mar. 1	32.30	31	32.63	Sept. 2	32.56	Dec. 5	32.02
Apr. 1	32.76	July 1	32.45	Oct. 2	32.57		

M-29. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.01 below lsd, July 8, 1949; lowest 62.00 below lsd, Aug. 1, 1950, Nov. 1, 1957. Records available: 1947, 1949-57.

Jan. 31	29.00	May 1	30.00	Aug. 1	28.00	Nov. 1	62.00
Mar. 1	58.00	31	29.00	Sept. 2	58.00	Dec. 5	58.00
Apr. 1	30.00	July 1	58.00	Oct. 2	30.00		

M-29a. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 97 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 12.15 below lsd, July 1, 1947; lowest 37.95 below lsd, Oct. 1, 1956. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	30.15	Apr. 1	30.68	May 31	30.28	Aug. 1	29.32
Mar. 1	37.91	May 1	31.06	July 1	35.89		

M-29b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 103 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 7.01 below lsd, July 2, 1951; lowest 30.55 below lsd, Mar. 1, 1957. Records available: 1947-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	26.83	May 1	27.70	Aug. 1	25.88	Nov. 1	20.69
Mar. 1	30.55	31	26.90	Sept. 2	29.41	Dec. 5	28.00
Apr. 1	27.43	July 1	28.70	Oct. 2	25.55		

M-30. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.31 below lsd, July 8, 1949; lowest 69.00 below lsd, Dec. 31, 1956. Records available: 1947, 1949-57.

Jan. 31	66.00	May 1	67.00	Aug. 1	64.00	Nov. 1	28.50
Mar. 1	64.00	31	63.00	Sept. 2	61.00	Dec. 5	28.00
Apr. 1	65.00	July 1	28.00	Oct. 2	63.50		

M-30a. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 72 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.32 below lsd, Oct. 1, 1951; lowest 35.13 below lsd, May 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	34.33	Apr. 1	34.58	May 31	33.94	Aug. 1	33.44
Mar. 1	34.81	May 1	35.13	July 1	27.62		

M-30b. (C) City of Wichita. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 61 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 7.39 below lsd, Oct. 4, 1948; lowest 32.70 below lsd, May 1, 1957. Records available: 1947-57.

Jan. 31	31.79	May 1	32.70	Aug. 1	31.12	Nov. 1	27.82
Mar. 1	32.31	31	31.66	Sept. 2	28.80	Dec. 5	27.09
Apr. 1	32.24	July 1	28.10	Oct. 2	30.99		

M-31. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 197 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 1, 1953. Records available: 1947, 1949-57.

Jan. 31	33.00	May 1	66.00	Aug. 1	62.00	Nov. 1	63.00
Mar. 1	62.50	31	60.00	Sept. 2	34.00	Dec. 5	60.00
Apr. 1	62.00	July 1	59.00	Oct. 2	60.50		

M-31a. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 87 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 9.95 below lsd, July 16, 1947; lowest 35.74 below lsd, May 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	31.92	Apr. 1	34.47	May 31	34.08	Aug. 1	34.11
Mar. 1	34.53	May 1	35.74	July 1	33.69		

M-31b. (C) City of Wichita. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 62 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.34 below lsd, July 7, 1948; lowest 35.32 below lsd, May 1, 1957. Records available: 1947-57.

Jan. 31	33.26	May 1	35.32	Aug. 1	33.83	Nov. 1	31.99
Mar. 1	34.11	31	34.05	Sept. 2	33.81	Dec. 5	32.73
Apr. 1	34.37	July 1	33.62				

M-32. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.02 below lsd, July 8, 1949; lowest 81.00 below lsd, Jan. 31, Aug. 1, 1957. Records available: 1947, 1949-57.

Jan. 31	81.00	May 1	32.00	Aug. 1	81.00	Nov. 1	80.00
Mar. 1	32.00	31	79.00	Sept. 2	30.00	Dec. 5	29.50
Apr. 1	80.00	July 1	79.00	Oct. 2	80.00		

M-32a. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 9.96 below lsd, Apr. 16, 1947; lowest 32.05 below lsd, Apr. 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	31.93	Apr. 1	32.05	May 31	31.57	Aug. 1	30.99
Mar. 1	30.41	May 1	31.09	July 1	31.20		

M-32b. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 71 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.40 below lsd, Oct. 4, 1948; lowest 31.83 below lsd, Apr. 1, 1957. Records available: 1947-57.

Jan. 31	31.73	May 1	31.77	Aug. 1	30.56	Nov. 1	29.46
Mar. 1	31.37	31	31.32	Sept. 2	31.55	Dec. 5	29.90
Apr. 1	31.83	July 1	30.75	Oct. 2	30.16		

M-33. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.23 below lsd, July 8, 1949; lowest 81.00 below lsd, Aug. 1, July 2, 1956. Records available: 1947, 1949-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	32.00	May 1	32.00	Aug. 1	60.00	Nov. 1	31.00
Mar. 1	61.00	31	32.00	Sept. 2	59.00	Dec. 5	31.00
Apr. 1	32.00	July 1	55.00	Oct. 2	58.00		

M-33a. (C) City of Wichita. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 54 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 9.20 below lsd, Sept. 2, 1949; lowest 30.49 below lsd, Mar. 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	29.92	Apr. 1	30.15	May 31	30.30	Aug. 1	29.23
Mar. 1	30.49	May 1	30.33	July 1	29.51		

M-33b. (C) City of Wichita. SE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 75 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.82 below lsd, Oct. 4, 1948; lowest 29.13 below lsd, Apr. 1, 1957. Records available: 1947-57.

Jan. 31	27.87	May 1	28.25	Aug. 1	27.20	Nov. 1	26.75
Mar. 1	28.45	31	28.25	Sept. 2	27.12	Dec. 5	26.20
Apr. 1	29.13	July 1	27.51	Oct. 2	27.02		

M-34 (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 150 feet. Measuring point, opening in side of pump base, 2.00 feet above lsd. Highest water level 6.96 below lsd, July 8, 1949; lowest 63.00 below lsd, May 2, July 1, 1955. Records available: 1947, 1949-57.

Jan. 31	60.00	May 1	61.00	Aug. 1	58.50	Nov. 1	58.00
Mar. 1	62.00	31	54.00	Sept. 2	58.00	Dec. 5	58.00
Apr. 1	61.00	July 1	52.00	Oct. 2	56.00		

M-34a. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 85 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 8.90 below lsd, Sept. 2, 1949; lowest 34.59 below lsd, May 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	34.11	Apr. 1	34.29	May 31	32.47	Aug. 1	32.65
Mar. 1	34.47	May 1	34.59	July 1	32.31		

M-34b. (C) City of Wichita. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 85 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 5.64 below lsd, July 7, 1948; lowest 34.18 below lsd, Oct. 1, 1956. Records available: 1947-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.98	May 1	30.34	Aug. 1	28.76	Nov. 1	29.70
Mar. 1	30.34	31	30.72	Sept. 2	28.63	Dec. 5	28.32
Apr. 1	29.87	July 1	28.96	Oct. 2	28.83		

M-35. (C) City of Wichita. NE cor. NW $\frac{1}{4}$  sec. 7, T. 25 S., R. 1 W. Drilled public-supply water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 130 feet. Measuring point, opening on side of pump base, 2.00 feet above lsd. Highest water level 10.30 below lsd, July 8, 1949; lowest 58.00 below lsd, Aug. 1, 1955; July 2, Aug. 1, 1956; Mar. 1, 1957. Records available: 1947, 1949-57.

Jan. 31	56.00	May 1	48.00	Aug. 1	54.50	Nov. 1	54.00
Mar. 1	58.00	31	52.00	Sept. 2	54.00	Dec. 5	54.00
Apr. 1	33.00	July 1	50.00	Oct. 2	53.50		

M-35a. (C) City of Wichita. NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 85 feet. Measuring point, top of pipe, 1.31 feet above lsd. Highest water level 8.69 below lsd, Sept. 2, 1949; lowest 33.00 below lsd, May 1, 1957. Records available: 1947, 1949-57. Measurement discontinued.

Jan. 31	32.59	Apr. 1	32.74	May 31	32.11	Aug. 1	30.83
Mar. 1	32.58	May 1	33.00	July 2	30.62		

M-35b. (C) City of Wichita. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 86 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 10.60 below lsd, Sept. 2, 1949; lowest 33.51 below lsd, May 1, 1957. Records available: 1947-57.

Jan. 31	32.55	May 1	33.51	Aug. 1	30.96	Nov. 1	31.26
Mar. 1	33.25	31	31.89	Sept. 2	31.10	Dec. 5	30.67
Apr. 1	32.80	July 1	31.03	Oct. 2	31.10		

#### SEWARD COUNTY

15. (C) Cabot Carbon Co. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 21, T. 32 S., R. 33 W. Drilled domestic and stock water-table well in alluvium, diameter 5 inches, depth 53 feet. Measuring point, top of hole cut in steel disk, 0.20 foot above lsd. Highest water level 15.88 below lsd, May 3, 1944; lowest 19.47 below lsd, Sept. 10, 1956. Records available: 1940-57.

Jan. 8	17.97	Apr. 17	17.74	July 8	18.19	Oct. 7	18.10
Feb. 20	18.27	May 20	17.58	Sept. 9	18.29	Dec. 10	17.78
Mar. 12	17.95	June 6	17.63				

106. (C) Kansas City Life Insurance Co. SW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 8, T. 32 S., R. 34 W. Drilled unused water-table well in Meade Group and Ogallala

Formation, diameter 5 inches, depth 212 feet. Measuring point, high point on west southwest side of casing, 0.90 foot above lsd. Highest water level 204.55 below lsd, Jan. 11, 1954; lowest dry, Oct. 9, 1957. Records available: 1940-57. Feb. 13, 206.46; July 10, 206.73; Oct. 9, dry.

122. (C) Mrs. Flora Atwell. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 33 S., R. 31 W. Drilled domestic and stock water-table well in Meade Group and Ogallala Formation, diameter 5 inches, depth 213 feet. Measuring point, top northwest side of casing, 0.70 foot above lsd. Highest water level 197.42 below lsd, Aug. 17, 1955; lowest 205.76 below lsd, Oct. 21, 1947. Records available: 1940-56. Measurement discontinued.

31-34-17cb. (C) Carrie Young. Drilled stock water-table well in sand and gravel of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 131 feet. Measuring point, north side between plate and shaft of pump, 0.20 foot above lsd. Highest water level 113.05 below lsd, Oct. 25, 1951; lowest 121.38 below lsd, Sept. 16, 1952. Records available: 1950-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	120.84	May 20	120.75	July 8	120.61	Oct. 7	120.48
Apr. 17	120.80	June 6	120.79	Sept. 9	120.41	Dec. 10	120.66

33-31-20aa. (C) Owner unknown. Drilled stock well in Ogallala Formation, diameter 5 inches, depth 191 feet. Measuring point, top of iron plate in pipe, 0.70 foot above lsd. Highest water level 172.46 below lsd, Mar. 12, 1957; lowest 177.86 below lsd, Dec. 10, 1957. Records available: 1956-57.

Jan. 8	177.53	Mar. 12	172.46	June 6	177.23	Dec. 10	177.86
Feb. 20	177.22	Apr. 17	177.15	Oct. 7	177.74		

33-33-29dd. (C) Owner unknown. Drilled stock well in sand and gravel of Pleistocene age and Ogallala Formation, diameter 4 inches, depth 179 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 168.25 below lsd, Nov. 13, 1956; lowest 169.39 below lsd, Dec. 10, 1957. Records available: 1955-57.

Jan. 8	168.54	Apr. 17	168.83	Sept. 9	168.81	Nov. 6	168.74
Feb. 20	168.69	May 20	168.48	Oct. 7	168.85	Dec. 10	169.39
Mar. 12	168.74	June 6	168.78				

#### SHAWNEE COUNTY

11-15-16c. (C) State Board of Agriculture. Drilled observation water-table well in alluvium, diameter 18 inches, depth 47 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 8.87 below lsd, July 16, 1951; lowest 31.34 below lsd, Apr. 10, 15, 1957. Records available: 1950-57.



## Water levels from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.83	31.04	31.21	31.33	31.22	30.89	30.25	28.41	28.37	27.89	27.64	27.42
10	30.86	31.07	31.24	31.34	31.17	30.79	30.11	28.33	28.34	27.81	27.59	27.44
15	30.89	31.10	31.25	31.34	31.13	30.69	29.84	28.30	28.33	27.77	27.53	27.38
20	30.93	31.13	31.27	31.33	31.10	30.58	29.43	28.30	28.34	27.76	27.59	27.37
25	30.96	31.17	31.29	31.28	31.05	30.46	29.06	28.33	28.29	27.80	27.54	27.40
30	30.99	.....	31.29	31.25	30.98	30.36	28.67	28.36	28.05	27.71	27.50	27.41

11-16-5bc. (C) C. C. Busey. Dug unused water-table well in White Cloud Shale member of Scranton Shale, diameter 6 feet, depth 23 feet, cribbed with rock. Measuring point, top south edge of square hole in concrete platform, 0.10 foot above lsd. Highest water level 1.27 below lsd, Apr. 15, 1949; lowest 13.03 below lsd, Oct. 27, 1956. Records available: 1948-52, 1957. Apr. 13, 5.60.

## SHERIDAN COUNTY

7-28-28dd. (C) Owner unknown. Drilled unused observation well in Ogallala Formation, diameter 6 inches, depth 118 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 108.19 below lsd, Nov. 22, 1954; lowest 108.77 below lsd, Nov. 26, 1956. Records available: 1952-57. Feb. 12, 108.62; May 13, 108.49; Aug. 19, 108.51; Nov. 13, 108.51.

8-26-17cb. (C) Owner unknown. Drilled unused observation well in Ogallala Formation, diameter 5 inches, depth 55 feet. Measuring point, top of casing, 0.20 foot above lsd. Highest water level 47.41 below lsd, May 11, 1953; lowest 49.03 below lsd, Nov. 26, 1956. Records available: 1952-57. Feb. 12, 49.00; May 13, 47.93; Aug. 19, 48.23; Nov. 13, 48.33.

8-28-23dc. (C) School district. Drilled unused well in Ogallala Formation, diameter 8 inches, depth 56 feet. Measuring point, top of casing, 0.90 foot above lsd. Highest water level 48.35 below lsd, Aug. 7, 1952; lowest dry, Aug. 27, 1956. Records available: 1952-57. Aug. 19, 51.65; Nov. 13, 51.50.

## SHERMAN COUNTY

8-39-19caa. (C) Wm. Hall (City of Goodland). Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 165 feet. Measuring point, top south side of casing, 0.40 foot above lsd. Highest water level 118.13 below lsd, Apr. 24, 1951; lowest 158.17 below lsd, Oct. 16, 1956. Records available: 1950-57. Jan. 9, 155.44; Apr. 24, 153.51; July 10, 155.85; Oct. 15, 157.45.

8-40-24baa. (C) Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 164 feet. Measuring point, top west side of casing, 0.70 foot above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 138.91 below lsd, Oct. 15, 1957. Records available: 1948-57. Jan. 9, 137.66; Apr. 25, 138.00; July 10, 138.05; Oct. 15, 138.91.

9-39-30cbb. (C) Charles Glenn. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 145 feet. Measuring point, top south side of casing, at land surface. Highest water level 117.99 below lsd, Jan. 20, 1953; lowest 118.90 below lsd, Apr. 14, 1949. Records available: 1948-57. Apr. 25, 118.24; July 11, 118.19; Oct. 16, 118.23.

## SMITH COUNTY

4-14-34bc. (MB C) Laura Davis. Dug stock water-table well in terrace deposits of Pleistocene age, diameter 32 inches, depth 46 feet. Measuring point, top south side of wooden platform, 0.20 foot above lsd. Highest water level 39.49 below lsd, Dec. 10, 1951; lowest 45.37 below lsd, Mar. 22, 1951. Records available: 1945-57. Mar. 12, 42.78; Aug. 13, 42.90; Nov. 14, 42.61.

4-14-34dd. (MB) U.S.G.S. Jetted well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 40 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 21.71 below lsd, Nov. 20, 1951; lowest 32.10 below lsd, June 20, 1957. Records available: 1951-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	31.69	May 18	31.98	Aug. 13	29.53	Oct. 16	29.40
Mar. 12	32.00	June 20	32.10	15	29.50	Nov. 14	29.50
Apr. 18	32.00	July 26	31.25	Sept. 18	29.40		

4-15-31cb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 9.37 below lsd, Aug. 17, 1951; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-57.

Jan. 16	15.40	May 14	15.55	Aug. 13	13.33	Oct. 16	14.40
Mar. 13	15.49	June 19	15.19	15	14.10	Nov. 14	14.30
Apr. 16	15.50	July 26	31.35	Sept. 18	14.00		

5-13-4dc. (MB C) Roy Eller. Dug domestic and stock water-table well in alluvium, diameter 24 inches, depth 43 feet, cribbed with rock. Measuring point, west side of cement curb, 0.40 foot above lsd. Highest water level 10.78 below lsd, July 24, 1951; lowest 35.28 below lsd, Dec. 17, 1945. Records available: 1945-57. Mar. 12, 24.37; Aug. 13, 22.43; Nov. 14, 22.70.

5-13-22bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 24 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 4.80 below lsd, Aug. 17, 1951; lowest 12.15 below lsd, Mar. 12, 1957. Records available: 1951-57.

Jan. 17	12.02	May 18	11.99	Aug. 13	11.13	Oct. 16	10.60
Mar. 12	12.15	June 20	11.99	15	11.00	Nov. 14	10.98
Apr. 18	11.93	July 26	31.35	Sept. 18	10.70		

5-13-25dd. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 58 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 12.18 below lsd, Aug. 17, 1951; lowest 34.25 below lsd, Sept. 19, 1957. Records available: 1951-57.

Jan. 17	30.25	May 20	31.90	Aug. 13	32.59	Oct. 16	33.05
Mar. 12	31.24	June 20	32.05	16	32.30	Nov. 14	33.34
Apr. 18	31.60	July 26	32.85	Sept. 19	34.25		

5-13-34cc. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 35 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 9.70 below lsd, Aug. 17, 1951; lowest 24.23 below lsd, June 20, 1957. Records available: 1951-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	23.98	May 20	24.12	Aug. 13	23.93	Oct. 16	23.25
Mar. 12	23.98	June 20	24.23	16	23.70	Nov. 14	23.46
Apr. 18	24.15	July 26	23.85	Sept. 19	23.60		

5-13-35ad. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 19.83 below lsd, Nov. 19, 1951; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-57.

Jan. 17	23.89	May 20	23.90	Aug. 13	23.42	Oct. 16	23.70
Mar. 12	23.85	June 20	23.70	16	23.50	Nov. 14	23.60
Apr. 18	23.86	July 26	23.15	Sept. 19	23.40		

5-14-1da. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 38 feet. Measuring point, top of pipe, 4.10 feet above lsd. Highest water level 14.50 below lsd, July 21, 1951; lowest 27.40 below lsd, Mar. 12, 1957. Records available: 1951-57.

Jan. 17	27.20	May 18	26.90	Aug. 13	25.50	Oct. 16	25.38
Mar. 12	27.40	June 20	26.87	15	25.47	Nov. 14	25.52
Apr. 18	27.08	July 26	25.15	Sept. 18	25.35		

5-14-2ab. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 30 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 9.47 below lsd, Sept. 18, 1957; lowest 22.25 below lsd, Apr. 18, 1957. Records available: 1951-57.

Jan. 17	22.16	Apr. 18	22.25	Sept. 18	9.47	Nov. 14	13.64
Mar. 12	22.20	May 18	22.23	Oct. 16	12.10		

5-15-2dc. (MB C) George K. Wamhoff. Drilled unused water-table well in terrace deposits of Pleistocene age, diameter 10 inches, depth 42 feet. Measuring point, top west side of board platform, 1.20 feet above lsd. Highest water level 23.95 below lsd, Oct. 22, 1951; lowest 33.84 below lsd, Nov. 30, 1948. Records available: 1945-57. Mar. 12, 33.20.

#### STAFFORD COUNTY

19. (C) Atlantic Refining Company. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 27, T. 21 S., R. 13 W. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 63 feet. Sandpoint driven in well pit, measuring point, 0.20 foot below lsd, since Feb. 18, 1957. Highest water level 0.40 above lsd, Aug. 29, Sept. 20, 1950; lowest dry, Jan. 21, 1957. Records available: 1942-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	Dry	Apr. 9	10.82	July 15	7.34	Nov. 19	5.98
Feb. 18	9.97	May 15	10.06	Aug. 12	7.70	Dec. 16	5.59
Mar. 20	6.32	June 19	8.30	Sept. 24	7.05		

25-13-3bb. (C) M. L. Halley. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 4 inches, depth 33 feet. Sand point driven in well pit, measuring point, 0.80 foot above lsd, since Feb. 18, 1957. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-57.

Feb. 18	20.98	May 15	20.07	Sept. 24	16.98	Nov. 19	16.44
Mar. 20	20.52	June 19	17.25	Oct. 8	17.05	Dec. 16	16.12
Apr. 9	20.40	Aug. 12	16.96				

#### STANTON COUNTY

13. (C) Leah Carrithers. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 21, T. 27 S., R. 40 W. Drilled unused water-table well in Ogallala Formation, diameter 5 inches, depth 55 feet. Measuring point, at lower north edge of board, 1.00 foot above lsd. Highest water level 44.10 below lsd, May 26, 1953; lowest 51.83 below lsd, Apr. 3, 1940. Records available: 1939-57. Feb. 21, 46.37; Aug. 7, 46.96.

93. (C) J. Plummer. NE $\frac{1}{4}$  sec. 11, T. 29 S., R. 41 W. Drilled unused water-table well in Ogallala Formation, diameter 8 inches, depth 234 feet. Measuring point, top south edge of casing, 1.00 foot above lsd. Highest water level 173.14 below lsd, Feb. 9, 1955; lowest 180.65 below lsd, Nov. 16, 1949. Records available: 1939-57. Feb. 21, 173.97; Aug. 7, 176.42.

146. (C) C. M. Harrison. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 27, T. 30 S., R. 43 W. Drilled unused water-table well in Dakota Formation, diameter 5 inches, depth 55 feet. Measuring point, hole on southwest side drilled in steel cylinder at land surface. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest 48.47 below lsd, Feb. 21, 1957. Records available: 1939-51, 1953-57. Feb. 21, 48.47; Aug. 7, 47.96; Nov. 7, 44.73.

#### STEVENS COUNTY

31-37-22bc. (C) Walter Crofts. Drilled domestic well in Ogallala Formation, diameter 6 inches, depth 264 feet. Measuring point, top of slit in cap on casing, 0.90 foot above lsd. Highest water level 122.67 below lsd, July 1, 1957; lowest 143.10 below lsd, Sept. 3, 1957. Records available: 1956-57.

Mar. 7	126.13	June 5	123.35	Aug. 3	142.10	Oct. 1	127.75
Apr. 1	126.28	July 1	122.67	Sept. 3	143.10	Nov. 6	125.73
May 2	126.15						

33-38-20aa. (C) Forrest Farrar. Drilled domestic well in deposits of Pleistocene age and Ogallala Formation, diameter 5 inches, depth 118 feet. Measuring point, slit in steel plate over casing, 0.60 foot above lsd. Highest water level 85.12 below lsd, Nov. 6, 1957; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-57. Feb. 20, 89.81; May 20, 87.47; Aug. 7, 87.89; Nov. 6, 85.12.

## SUMNER COUNTY

1. (C) Fred Kersey. SE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 5, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 8.61 below lsd, June 6, 1957; lowest 14.47 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 14.29; Apr. 22, 12.69; June 6, 8.61; Aug. 14, 11.74.

2. (C) Owner unknown. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 6, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 16.88 below lsd, Aug. 14, 1957; lowest 23.14 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 23.14; Apr. 22, 23.10; June 6, 21.83; Aug. 14, 16.88.

3. (C) M. C. Parker. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{2}$  inches, depth 34 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 12.22 below lsd, Aug. 14, 1957; lowest 20.57 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 20.57; Apr. 22, 20.15; June 6, 13.56; Aug. 14, 12.22.

4. (C) M. C. Parker SW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 11.00 below lsd, June 6, 1957; lowest 23.87 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 23.87; Apr. 22, 20.00; June 6, 11.00; Aug. 14, 11.88.

5. (C) G. A. Blair. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 9.15 below lsd, June 6, 1957; lowest 19.08 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 19.00; Apr. 22, 16.00; June 6, 9.15; Aug. 14, 11.22.

6. (C) G. A. Blair. SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 37 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 4.90 below lsd, June 6, 1957; lowest 15.25 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 14.95; Apr. 22, 12.82; June 6, 4.90; Aug. 14, 6.96.

7. (C) G. A. Blair. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.17 below lsd, June 6, 1957; lowest 18.17 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 17.90; Apr. 22, 12.48; June 6, 6.17; Aug. 14, 9.36.

8. (C) G. A. Blair. NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 6.93 below lsd, June 6, 1957; lowest 21.03 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 19.79; Apr. 22, 14.95; June 6, 6.93; Aug. 14, 9.84.

9. (C) M. C. Parker. SW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 45 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 10.31 below lsd, June 6, 1957; lowest 19.92 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 19.92; Apr. 22, 19.19; June 6, 10.31; Aug. 14, 12.50.

11. (C) Owner unknown. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 31 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 13.50 below lsd, July 17, 1956; lowest 21.50 below lsd, June 3, 1955. Records available: 1954-56. Measurement discontinued.

12. (C) Fred Kersey. NW $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 8, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 13.04 below lsd, June 6, 1957; lowest 19.62 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 19.62; Apr. 22, 18.79; June 6, 13.04; Aug. 14, 14.87.

13. (C) M. C. Parker. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 8.65 below lsd, June 6, 1957; lowest 14.64 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 14.64; Apr. 22, 12.75; June 6, 8.65; Aug. 14, 12.48.

14. (C) M. C. Parker. SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 2.80 below lsd, June 6, 1957; lowest 11.60 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 11.60; Apr. 22, 7.90; June 6, 2.80; Aug. 14, 6.53.

15. (C) M. C. Parker. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 5.52 below lsd, June 6, 1957; lowest 18.08 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 16.65; Apr. 22, 12.95; June 6, 5.52.

17. (C) M. C. Parker. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 7, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 33 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.80 below lsd, Sept. 1, 1954; lowest 17.32 below lsd, Dec. 18, 1956. Records available: 1954-57. Mar. 19, 15.17; Apr. 22, 9.62.

18. (C) Fred Kersey. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 17, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 8.73 below lsd, June 6, 1957; lowest 13.63 below lsd, Sept. 13, 1956. Records available: 1954-57. Mar. 19, 13.57; Apr. 22, 12.15; June 6, 8.73.

19. (C) Thomas Graber. NW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 17, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter  $1\frac{1}{4}$  inches, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.65 below lsd, June 6, 1957; lowest 12.18 below lsd, Sept. 13, 1956. Records available: 1954-57. Mar. 19, 11.89; Apr. 22, 10.95; June 6, 6.65; Aug. 14, 9.66.

20. (C) Tom Morison. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 21, T. 30 S., R. 2 E. Bored observation well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 24 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.80 below lsd, June 6, 1957; lowest 10.23 below lsd, Sept. 25, 1954. Records available: 1954-57. Mar. 19, 10.07; Apr. 22, 9.75; June 6, 2.80.

21. (C) Wm. Van Warmer. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 21, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 5.88 below lsd, Feb. 21, 1956; lowest 6.70 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 6.70; Apr. 22, 6.10.

22. (C) Everett Howard. NE $\frac{1}{4}$  NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 27, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 42 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 17.56 below lsd, Aug. 14, 1957; lowest 19.56 below lsd, Mar. 19, 1957. Records available: 1954-57. Mar. 19, 19.56; Apr. 22, 19.50; June 6, 19.03; Aug. 14, 17.56.

23. (C) H. E. Zolter. SW $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 18, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 27 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 8.77 below lsd, June 6, 1957; lowest 11.57 below lsd, Sept. 13, Dec. 19, 1956. Records available: 1954-57. Mar. 19, 11.38; Apr. 22, 10.36; June 6, 8.77; Aug. 14, 9.10.

24. (C) M. Carl. NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 30 S., R. 2 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 32 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.17 below lsd, June 6, 1957; lowest 14.83 below lsd, Dec. 19, 1956. Records available: 1954-57. Mar. 19, 14.40; Apr. 22, 11.91; June 6, 8.17; Aug. 14, 11.13.

25. (C) Harold Martin. NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 11, T. 30 S., R. 1 E. Bored observation well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 34 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 10.30 below lsd, Aug. 14, 1957; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-57. Mar. 19, 13.22; Apr. 22, 12.80; June 6, 10.38; Aug. 14, 10.30.

#### THOMAS COUNTY

7. (C) City of Brewster. NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 18, T. 8 S., R. 36 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 139 feet. Measuring point, top west side of casing, 0.30 foot above lsd. Highest water level 110.85 below lsd, July 8, 1953; lowest 128.02 below lsd, Oct. 14, 1948. Records available: 1942-57. Jan. 9, 124.10; Apr. 24, 124.85; July 10, 125.17; Oct. 15, 124.64.

8-34-2aa. (C) U.S.D.A. and Kansas Agricultural Experiment Station. Drilled unused water-table well in Ogallala Formation, depth 160 feet. Measuring point at land surface. Highest water level 112.31 below lsd, May 20, 27, 1954; lowest 116.32 below lsd, May 11, 1956. Records available: 1947-57. Jan. 9, 114.68; Apr. 24, 114.91; July 10, 114.70; Oct. 5, 114.69.

26. (C) Thomas A. Ryan. NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 27, T. 8 S., R. 32 W. Drilled unused water-table well in Ogallala Formation, diameter 8 inches, depth 159 feet. Measuring point, top west side of casing, 0.60 foot above lsd. Highest water level 109.56 below lsd, July 31, 1956; lowest 118.83 below lsd, July 29, 1956. Records available: 1942-57.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	110.16	Jan. 27	112.00	Feb. 24	111.10	May 12	110.17
13	118.32	28	110.04	Mar. 1	110.03	19	110.00
14	114.08	Feb. 3	110.19	17	110.07	June 2	110.13
15	110.12	10	111.63	31	110.08	16	113.75
20	110.04	17	110.10	Apr. 24	111.09		

33. (C) Arch Ball. NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 137 feet. Measuring point, top south edge of cylinder in motor block, 1.60 feet above lsd. Highest water level 114.24 below lsd, Oct. 25, 1954; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52, 1954, 1956-57. Jan. 9, 115.34.

#### TREGO COUNTY

14-21-33bb. (MB) U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age, diameter  $\frac{3}{4}$  inch, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 6.90 below lsd, Aug. 3, 1950; lowest 18.74 below lsd, June 8, 1956. Records available: 1950-57. July 11, 17.02; Oct. 24, 16.03.

14-22-26da. (MB C) U.S.B.R. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 6 inches, depth 50 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.08 below lsd, Aug. 1, 1957; lowest 33.73 below lsd, Apr. 24, 1955. Records available: 1952-57.

Jan. 1	28.55	May 1	28.97	Aug. 1	19.08	Oct. 31	20.80
31	29.00	June 1	28.12	31	19.61	Nov. 30	21.30
Mar. 1	28.89	July 1	20.30	Sept. 30	19.80	Dec. 31	21.58

14-22-36aa. (MB C) U.S.G.S. Drilled observation water-table well in terrace deposits of Pleistocene age, diameter 1 $\frac{1}{4}$  inches, depth 74 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 27.29 below lsd, Oct. 24, 1957; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-57. Jan. 31, 27.90; Mar. 4, 28.20; July 11, 28.07; Oct. 24, 27.29; Nov. 1, 27.30.

#### WALLACE COUNTY

12-40-14bba. (C) W. P. Kirkham, Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 22 feet. Measuring point, top north side of casing under tin cover, 1.60 feet above lsd. Highest water level 19.72 below lsd, July 20, 1949; lowest 21.84 below lsd, Oct. 25, 1954. Records available: 1948-57. Jan. 10, 20.69; Apr. 25, 20.18; July 11, 19.84; Oct. 16, 19.83.

14-40-34ddd. (C) C. Popp. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 91 feet. Measuring point, top west side of casing, 0.75 foot above lsd. Highest water level 82.20 below lsd, Apr. 24, 1956; lowest 91.03 below lsd, Oct. 16, 1957. Records available: 1948-57. Jan. 10, 90.05; Apr. 25, 89.73; Oct. 16, 91.03.



## WICHITA COUNTY

16-35-20cc. (C) F. F. Miller. Drilled irrigation water-table well in Ogallala Formation, diameter 18 inches, depth 189 feet. Measuring point, hole in base of pump, 0.50 foot above lsd. Highest water level 103.24 below lsd, May 7, 1951; lowest 119.99 below lsd, Oct. 6, 1955. Records available: 1951, 1953-57. Feb. 25, 112.42; June 10, 112.55; Dec. 18, 112.48.

16-37-13bb. (C) C. Pearson. Drilled irrigation water-table well in Ogallala Formation, depth 143 feet. Measuring point, hole in west side of pump base, at land surface. Highest water level 77.65 below lsd, June 14, 1951; lowest 91.93 below lsd, Oct. 6, 1955. Records available: 1951, 1953-57. Feb. 25, 81.28; Apr. 25, 80.87; June 10, 80.65; Aug. 6, 82.88; Oct. 16, 81.37; Dec. 18, 83.93.

18-35-14bb. (C) A. C. Felt. Drilled domestic water-table well in Ogallala Formation, diameter 5 inches, depth 95 feet. Measuring point, top southeast side of casing, 0.20 foot above lsd. Highest water level 81.33 below lsd, Aug. 11, 1949; lowest 85.81 below lsd, Aug. 6, 1957. Records available: 1947-57. Feb. 25, 85.19; Apr. 25, 85.47; June 10, 85.64; Aug. 6, 85.81. Measurement discontinued.

20-36-14dad. (C) Elmer Hartman. Drilled unused water-table well in Ogallala Formation, diameter 6 inches, depth 116 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 93.97 below lsd, Oct. 6, 1955; lowest 97.35 below lsd, Apr. 26, 1950. Records available: 1947-57. Feb. 25, 94.46; Apr. 25, 94.06; June 10, 94.41; Aug. 6, 94.49; Oct. 16, 94.46; Dec. 18, 94.41.

## WOODSON COUNTY

25-16-11ddd. (C) John Yohon. Dug unused water-table well in Stanton Limestone, diameter 5 feet, depth 20 feet, cribbed with rock. Measuring point, top north side of hole in concrete, 1.10 feet above lsd, since Apr. 11, 1957. Highest water level 4.36 below lsd, Aug. 2, 1951; lowest 14.26 below lsd, Nov. 3, 1956. Records available: 1948-52, 1956-57. Apr. 11, 13.11.

## WYANDOTTE COUNTY

101. (C) U.S.G.S. NW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 98 feet. Measuring point, top of casing, 1.60 feet above lsd. Highest water level 25.02 below lsd, July 11, 1945; lowest 44.55 below lsd, Dec. 31, 1948. Records available: 1944-48, 1950-57. Dec. 27, 37.86.