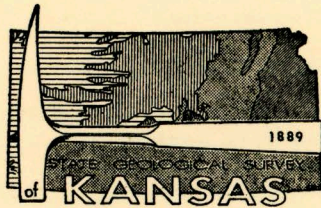


**Ground-Water Levels
in Observation Wells in Kansas, 1965**

By Margaret E. Broeker
and John D. Winslow

**STATE
GEOLOGICAL
SURVEY
OF
KANSAS**

BULLETIN 184



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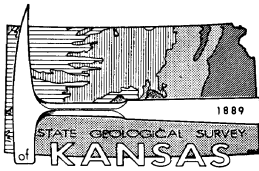
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BULLETIN 184

Ground-Water Levels in Observation Wells in Kansas, 1965

By Margaret E. Broeker
and John D. Winslow

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

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Ground-Water Levels in Observation Wells in Kansas, 1965

ABSTRACT

Measurements of water levels in 886 wells in 75 counties in Kansas during 1965 are given in this report, the tenth in a series of annual water-level reports published by the State Geological Survey of Kansas.

Ground-water levels, in general, had relatively little net change or rose slightly in response to above-normal precipitation over the State. The above-normal precipitation coupled with a reduction in the extensive use of ground-water for irrigation helped to stabilize or reduce the rate of decline of water levels in irrigation areas.

INTRODUCTION

In 1957 the first of a series of annual reports, containing records of observation wells in Kansas in 1956, was published as Bulletin 125 of the State Geological Survey of Kansas. The present report is the tenth and last in this series and contains the water-level measurements of 882 wells made during 1965. The bulletin numbers of the nine earlier reports are:

Year	Bulletin no.	Year	Bulletin no.
1956	125	1961	159
1957	131	1962	167
1958	141	1963	173
1959	146	1964	177
1960	153		

Henceforth, it is planned that a summary report giving a synopsis of major changes will be published annually as one of the Special Distribution Publication series of the State Geological Survey of Kansas. The annual publica-

tion will be supplemented at 5-year increments with a report containing all significant water-level measurements during the preceding 5 years. Water-level measurements will be stored in an automatic data-processing system, and up-to-date information on specific wells will be available on request as computer printouts.

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

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

Year	Water-Supply Paper	Year	Water-Supply Paper
1935	777	1946	1073
1936	817	1947	1098
1937	840	1948	1128
1938	845	1949	1158
1939	886	1950	1167
1940	908	1951	1193
1941	938	1952	1223
1942	946	1953	1267
1943	988	1954	1323
1944	1018	1955	1406
1945	1025	1956	1456
		1957-61	1781

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

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

ACKNOWLEDGMENTS

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

COOPERATIVE GROUND-WATER PROGRAM

The measurement of water levels in selected wells for the observation-well program in Kansas is carried out as a part of a cooperative ground-water program by federal and state agencies. The cooperative investigation of the ground-water resources of Kansas was begun in 1937 and is presently conducted by the U.S. Geological Survey, the State Geological Survey of Kansas, the Environmental Health Services of the State Department of Health, and the Division of Water Resources of the State Board of Agriculture. The City of Wichita cooperates in a study of the *Equus*-beds area. In 1946

special studies were started in parts of the State lying within the Missouri Basin as a part of the Interior Department program for development of the Missouri Basin. These special studies were made in areas in which the Bureau of Reclamation was making investigations of proposed irrigation projects.

The ground-water program in Kansas is carried out under the direction of, or in cooperation with, the following:

U.S. Geological Survey	
Director	W. T. Pecora
Ground-Water Branch	
Acting Chief	Gerald Meyer
Area Hydrologist	S. K. Jackson
District Geologist	R. J. Dingman
State Geological Survey of Kansas	
Director	F. C. Foley
Associate Director	W. W. Hambleton
State Department of Health, Environmental Health Services	
Chief Engineer	J. L. Mayes
Chief, Oil-Field Section	B. F. Latta
State Water Resource Board	
Executive Secretary	D. F. Metzler
State Board of Agriculture, Division of Water Resources	
Chief Engineer	R. V. Smrha
Engineer	H. L. Mackey
Water Commissioners	
Eastern Kansas	J. E. Schrock
Northwestern Kansas	C. I. Stocking
South-central Kansas	J. M. Street
Southwestern Kansas	H. C. Corrigan
City of Wichita, Water-Supply Division	
Director	R. H. Hess
Hydrologist	G. J. Stramel
Superintendent of well field	S. A. Smith

Reports of the cooperative ground-water investigations in Kansas have been published as bulletins of the State Geological Survey. Since the program was started in 1937, investigations have been conducted in all or parts of 88 counties (Fig. 1). In 1965 reports were published describing the geology and ground-water resources of Trego County, Kansas (Hodson, 1965), the geohydrology of Sedgwick County, Kansas (Lane and Miller, 1965a), logs of wells and test holes in Sedgwick County, Kansas (Lane and Miller, 1965b), and water-level changes in Grant and Stanton counties, Kansas, 1939-1965 (Nuzman and Meyer, 1965).

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

SCOPE OF WATER-LEVEL PROGRAM

At the beginning of 1965 the water levels in 839 wells were being observed. During the year 47 wells were added to the observation-well network and measurements were discontinued in 33 wells. By the end of 1965 there were 853 wells in 75 counties being measured. Partial records are included for the 33 wells dropped from the program during the year. Seventeen wells were equipped with continuous water-level recorders; some wells were observed weekly,

some monthly, some quarterly, and some annually. The distribution of the wells by counties is given in Table 2. and is shown in Figure 2.

In 1946 an observation-well program was started as a part of the program of the Department of the Interior for the development of the Missouri Basin. These wells are in valley areas that were proposed, or were being developed, as irrigation projects by the Bureau of Reclamation. The water-level measurements made on these wells during 1965 are included in this

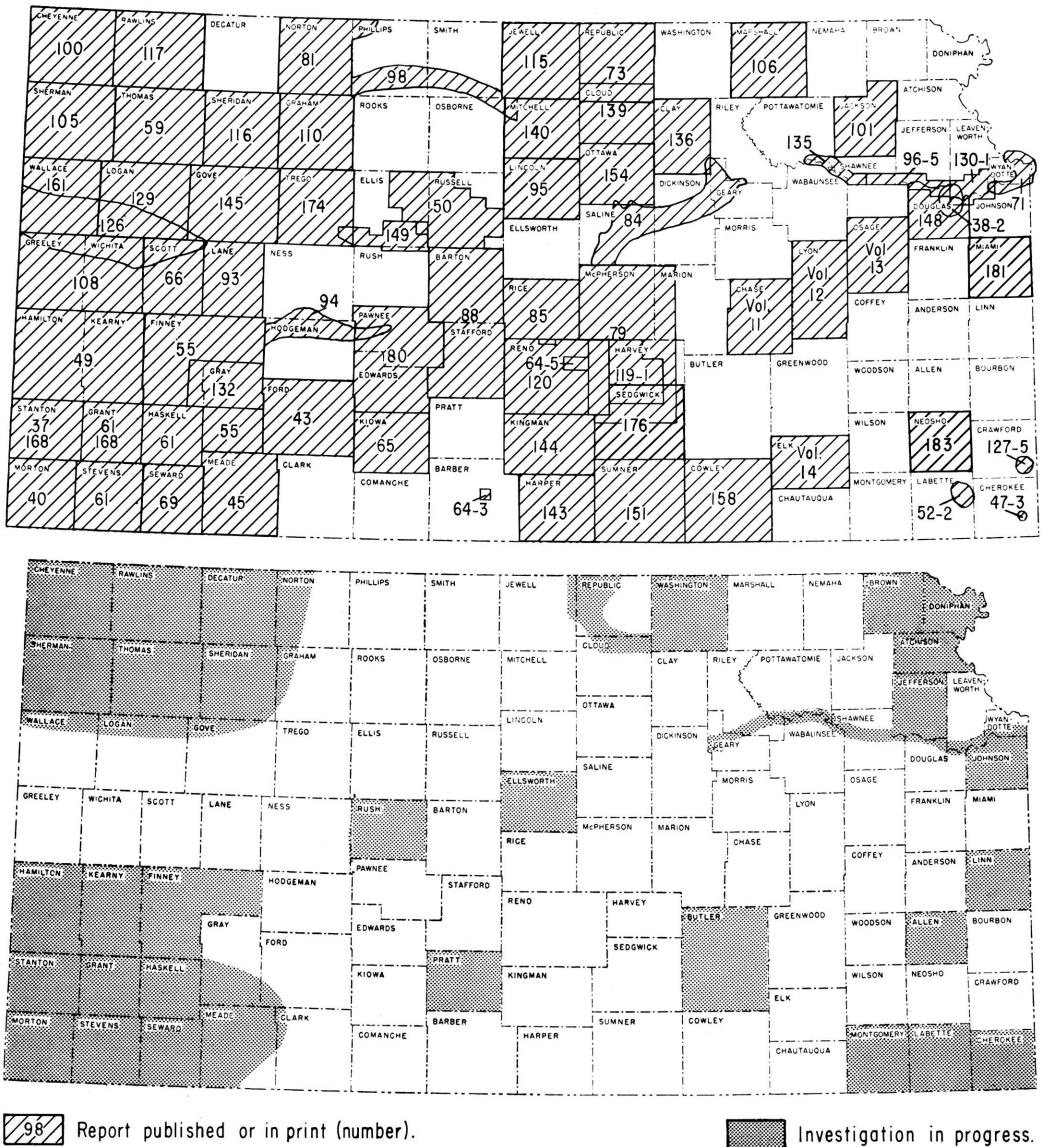


FIGURE 1.—Areas in Kansas for which ground-water reports have been published as bulletins by the State Geological Survey or are in preparation. (Numbers on map correspond to bulletin numbers.)

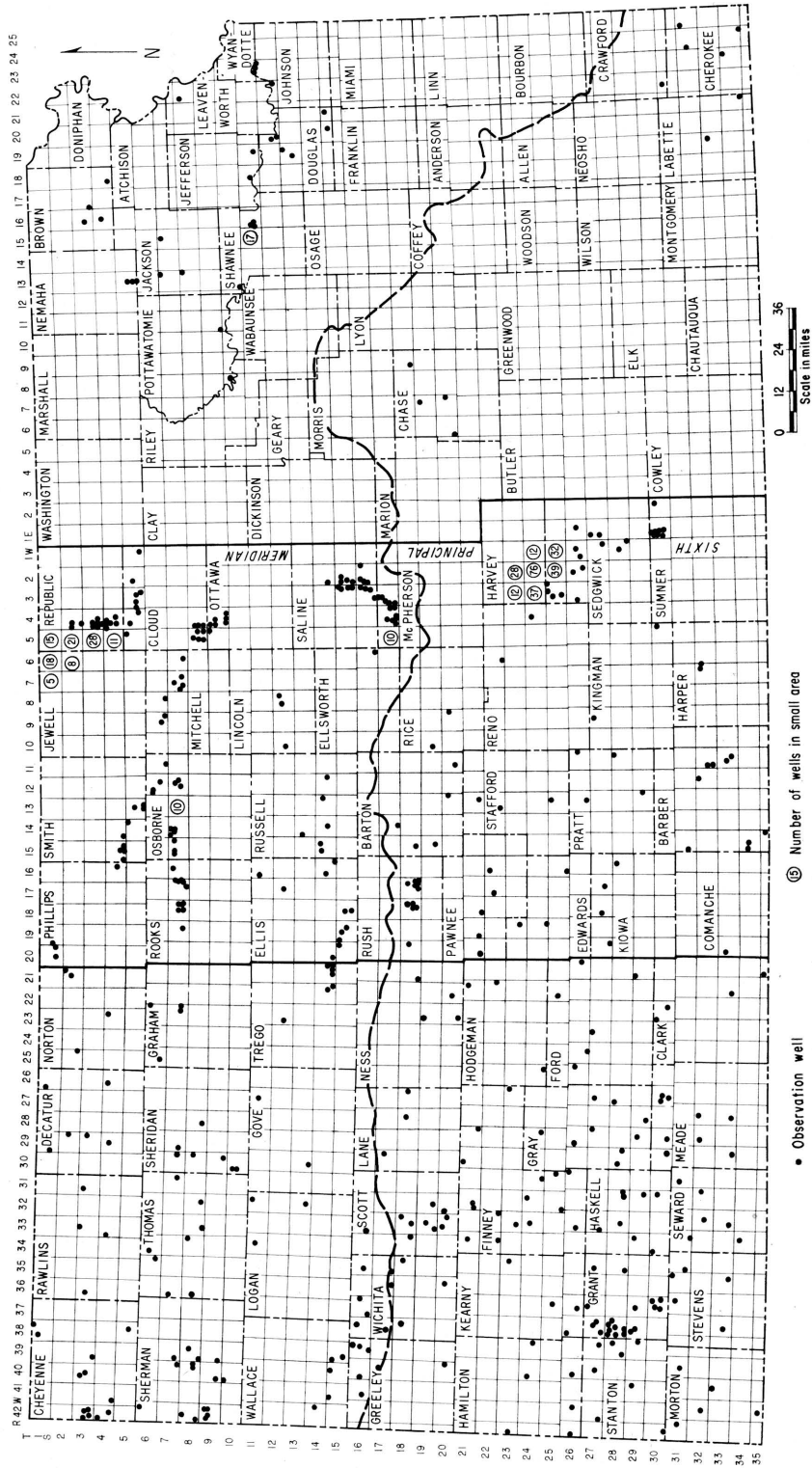


FIGURE 2.—Observation wells in Kansas, December 31, 1965. Dashed line indicates boundary between the Missouri Basin (to the north) and the Arkansas Basin. Solid lines show boundaries between western, central, and eastern Kansas.

TABLE 2.—Observation wells in Kansas at the end of 1965.

County	Missouri Basin No.	Arkansas Basin No.	Observer*	County	Missouri Basin No.	Arkansas Basin No.	Observer*
Barber	....	9	KSBA	Logan	3	....	KSBA
Barton	....	5	KSBA	McPherson	22	....	GS
Brown	4	....	GS	Meade	....	9	KSBA
Chase	....	4	GS	Mitchell	8	....	GS & KSBA
Cherokee	....	4	GS	Morton	....	5	KSBA
Cheyenne	13	....	BR & KSBA	Nemaha	3	....	GS
Clark	....	4	KSBA	Ness	....	4	KSBA
Cloud	17	....	BR & GS	Norton	4	....	KSBA
Comanche	....	1	KSBA	Osborne	24	....	BR & KSBA
Crawford	1	....	GS	Ottawa	7	....	BR & GS
Decatur	6	....	KSBA	Pawnee	....	5	KSBA
Douglas	6	....	GS	Phillips	4	....	BR
Edwards	....	3	KSBA	Pottawatomie	2	....	KSBA
Ellis	11	....	BR & GS	Pratt	....	4	KSBA
Ellsworth	1	....	GS	Rawlins	4	....	KSBA
Finney	....	16	KSBA	Reno	....	2	W & KSBA
Ford	....	6	KSBA	Republic	90	....	BR
Gove	2	....	KSBA	Rice	....	2	KSBA
Graham	4	....	KSBA	Rooks	11	....	KSBA
Grant	....	21	KSBA	Rush	....	11	KSBA
Gray	....	9	KSBA	Russell	6	....	GS
Greeley	6	1	KSBA	Saline	17	....	GS
Hamilton	....	6	KSBA	Scott	1	9	KSBA
Harper	....	2	A	Sedgwick	....	86	W & KSBA
Harvey	....	165	W & KSBA	Seward	....	6	KSBA
Haskell	....	8	KSBA	Shawnee	21	....	KSBA
Hodgeman	....	3	KSBA	Sheridan	7	....	KSBA
Jackson	3	....	GS	Sherman	16	....	KSBA
Jefferson	2	....	GS & KSBA	Smith	9	....	BR
Jewell	31	....	BR	Stafford	....	3	KSBA
Johnson	4	....	GS	Stanton	....	8	GS & KSBA
Kearny	....	4	KSBA	Stevens	....	5	KSBA
Kingman	....	2	KSBA	Sumner	....	8	GS
Kiowa	....	4	KSBA	Thomas	8	....	KSBA
Labette	....	2	GS	Trego	7	....	BR & KSBA
Lane	....	3	KSBA	Wallace	5	....	KSBA
Leavenworth	1	....	GS	Wichita	5	5	KSBA
Lincoln	3	....	GS	Total	399	454	

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

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

Unit	Valley	County	Number of wells being measured at end of 1965
Almena	Prairie Dog Creek	Norton, Phillips	2
Bostwick	Republican River	Jewell, Republic, Cloud	127
Cedar Bluff	Smoky Hill River	Ellis, Trego	14
Glen Elder	Solomon River	Mitchell	8
Kanopolis	Smoky Hill River	Saline, McPherson, Ellsworth	40
Kirwin	North Fork Solomon River	Smith, Phillips, Osborne	20
Webster	South Fort Solomon River	Osborne	32
Wilson	Saline River	Lincoln	3
St. Francis	South Fork Republican River	Cheyenne	13
		Total	259

port. The areas included in the Missouri Basin Program are given in Table 3.

WELL-NUMBERING SYSTEM

In this report all the wells are numbered in accordance with the Bureau of Land Management's system of land subdivision. In this system (Fig. 2), the first set of digits of a well number indicates the township, the second set, the range east or west of the Sixth Principal Meridian, and the third set, the section in which the well is situated. The first letter denotes the 160-acre tract, the second, the 40-acre tract, and the third, the 10-acre tract. Thus, in Sedgwick County, the number 26-2W-22aba indicates that the well is in the NE NW NE sec. 22, T 26 S, R 2 W (Fig. 3).

In previous water-level publications of this series, many wells were listed serially within the county. These wells have been renumbered (Table 4) so that all wells are now listed according to the land-classification system. However, in this publication, the previous identification number is listed following the new number in the table of water-level measurements.

The prefix "M" in the previous identification number of some wells in Harvey and Sedgwick counties indicates public-supply wells of the City of Wichita, and the suffix "r" indicates a

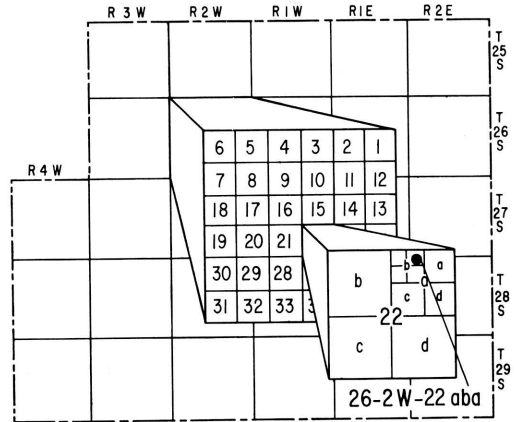


FIGURE 3.—Sketch of Sedgwick County, Kansas, illustrating well-numbering system based on land-classification system. The well is in sec. 22, T 26 S, R 2 W.

replacement for the original municipal well of that number. The suffix letter "b" designates a shallow observation well near the municipal well of the same number; the letter "d" indicates a deep observation well near the same well. These observation wells are from 200 to 500 feet from the pumped well, and generally, where there are both shallow and deep observation wells, they are adjacent to each other.

TABLE 4.—Identification numbers for wells in Kansas, 1965.

County	Previous number	New number	County	Previous number	New number	
Barber	1	31-15W-19bd	Gray	3a	28-27W-7bca	
	4	32-12W-4dc		Hamilton	2a	23-43W-21aa
	8	34-15W-17ad			6	24-39W-24dcc
	9	34-15W-18dd		Harvey	101	23-2W-18bb
10	35-15W-11cb	102	23-3W-24aa			
Barton	16	20-13W-12ada	103		23-2W-19cc	
	43	20-11W-20ccc	104		23-3W-23bb	
	110	17-14W-33aa	105		23-2W-18dd	
Cherokee	131	19-15W-22dda	106		23-3W-36bb	
	1	34-23E-2aba	107		24-2W-3cb	
	3	32-24E-19c	108		24-3W-11bb	
Clark	6	35-21W-7aaa	109		24-3W-22aaa	
	10	32-23W-24dd	110		24-3W-25ccc	
Comanche	1	33-20W-8ba	111	24-2W-2ddd		
	3	31-18W-19ac	112	24-2W-25ddd		
Edwards	10	23-19W-22ccc	113	24-1W-29bbb		
	215	11-16W-7ba	118	23-2W-27ddd		
Ellis	218	12-17W-16aa	119	24-1W-6bbb		
	1	24-33W-9aa	120	24-2W-1ddd		
Finney	5	21-32W-19bbd	121	24-1W-5ccc		
	6	21-29W-36ccb	122	24-1W-18bbb		
	13	25-31W-13cda	123	24-1W-7ddd		
	26	24-32W-3dac	130	24-3W-10bbb		
	1002	24-31W-27c	131	24-3W-10ccc		
	8	26-25W-34bb	132	24-3W-14bbb		
Ford	96a	26-21W-23ada	133	24-2W-31ccc		
	1002	26-26W-12ddb	506	23-2W-28ab1		
Grant	5	27-37W-4da	507	23-2W-28ab2		
	400	28-38W-6ad	736	23-3W-12dcd		

TABLE 4.—Identification numbers for wells in Kansas, 1965 (continued).

County	Previous number	New number	County	Previous number	New number
	817	24-2W-1bbb		M-6b	23-2W-32cc2
	821	24-2W-6bbb		M-7r	24-2W-6ad1
	824	24-1W-22dd		M-7b	24-2W-6ad2
	832	24-1W-19aaa		M-7d	24-2W-6ad3
	833	24-1W-19cc		M-8r	24-2W-8bb1
	839	24-2W-35aa		M-8b	24-2W-8bb2
	853	24-2W-13bbb		M-9	24-2W-8bc1
	854	23-2W-23cc		M-9b	24-2W-8bc2
	873	23-2W-31ddd1		M-10r	24-2W-8baa1
	874	23-2W-31ddd2		M-10b	24-2W-8baa2
	875	23-3W-17ddd1		M-10d	24-2W-8baa3
	876	23-3W-17ddd2		M-11	24-2W-8db1
	877	23-3W-17ddd3		M-11b	24-2W-8db2
	878	24-3W-1ddd1		M-12	24-2W-9cb1
	879	24-3W-1ddd2		M-12b	24-2W-9cb2
	880	24-3W-11dd1		M-13	24-2W-17ab1
	881	24-3W-11dd2		M-13b	24-2W-17ab2
	884	24-2W-26bbb1		M-14r	24-2W-16bb
	885	24-2W-26bbb2		M-14b	24-2W-9cc
	886	24-2W-16baa1		M-15r	24-2W-16cbb
	887	24-2W-16baa2		M-15b	24-2W-16bcc
	888	23-2W-17bbb1		M-16	24-2W-9ad1
	889	23-2W-17bbb2		M-16b	24-2W-9ad2
	890a	24-3W-21dda		M-17	24-2W-9dd1
	891	24-3W-31dd1		M-17b	24-2W-9dd2
	892	24-3W-31dd2		M-18	24-2W-16da1
	893	24-3W-31dd3		M-18b	24-2W-16da2
	894	24-2W-18aa		M-19	24-2W-22cd1
	1053-B	23-3W-16bac		M-19b	24-2W-22cd2
	1173	24-2W-29aaa		M-20	24-2W-27aa1
	1174	24-1W-32ccc		M-20b	24-2W-27aa2
	1175	24-1W-30ddd		M-21	24-2W-26cc1
	1179	24-1W-33dbd		M-21b	24-2W-26cc2
	1186	24-2W-13ccc		M-22r	24-2W-26dcc
	1187	24-1W-19bbb		M-22b	24-2W-26cd
	1189	24-2W-16ccc		M-23	24-2W-35ad1
	1190	24-2W-15aa		M-23b	24-2W-35ad2
	1191	23-2W-27ccc		M-24	24-2W-35dd1
	1193	23-3W-24aad		M-24b	24-2W-35dd2
	1194	23-3W-14cca		M-25	24-2W-36dc
	1196	24-3W-27ddd		M-26	24-2W-22bc1
	2072	24-2W-5ba		M-26b	24-2W-22bc2
	2084	24-2W-15ddd		M-41	24-3W-11aaa1
	2088	24-2W-22bbb		M-41b	24-3W-11aaa2
	3001	23-2W-30cc		M-41d	24-3W-11aaa3
	3002	24-2W-30dcc		M-42	24-3W-11ad1
	3003	24-2W-32ddc		M-42b	24-3W-11ad2
	3005	23-2W-28cd		M-42d	24-3W-11ad3
	3031	24-3W-24aaa		M-43	24-3W-11dd3
	3032	24-2W-24ccc		M-43d	24-3W-11dd4
	3033	24-2W-2ccc		M-44	24-3W-11dc1
	3034	24-3W-28cc		M-44b	24-3W-11dc2
	3035	23-3W-34dd		M-44d	24-3W-11dc3
	3036	23-3W-23dcd		M-45	24-3W-23da1
	3037	24-2W-5aba		M-45b	24-3W-23da2
	3038	23-2W-33ccd		M-45d	24-3W-23da3
	3039	23-2W-34dc		M-46	24-3W-23dd1
	M-1	23-2W-29bbb1		M-46b	24-3W-23dd2
	M-1b	23-2W-29bbb2		M-46d	24-3W-23dd3
	M-2r	23-2W-29cb1		M-47	24-3W-24dc1
	M-2b	23-2W-29cb2		M-47b	24-3W-24dc2
	M-3	23-2W-30dd1		M-47d	24-3W-24dc3
	M-3b	23-2W-30dd2		M-48	24-2W-28da1
	M-4	23-2W-29cdd1		M-48b	24-2W-28da2
	M-4b	23-2W-29cdd2		M-48d	24-2W-28da3
	M-5	23-2W-32cb1		M-49	24-2W-28dd1
	M-5b	23-2W-32cb2		M-49b	24-2W-28dd2
	M-6r	23-2W-32cc1			

TABLE 4.—Identification numbers for wells in Kansas, 1965 (concluded).

County	Previous number	New number	County	Previous number	New number
	M-49d	24-2W-28dd3		3041	25-3W-3ddd
	M-50	24-2W-28dc1		3044	25-2W-14ccc
	M-50b	24-2W-28dc2		3045	25-2W-13bbc
	M-50d	24-2W-28dc3		3050r	25-2W-24ddd2
Hodgeman	3a	21-22W-12bcb		3050d	25-2W-24ddd3
Jewell	12	3-9W-30ba		M-25b	25-2W-1baa
	65	3-9W-23dd		M-27	25-2W-2bbb
Kearny	13b	25-37W-15ab2		M-27b	25-2W-3aaa
Kingman	4	27-9W-9bb		M-28	25-2W-2baa
Kiowa	4	28-16W-4add		M-28b	25-2W-2abb
	8a	27-18W-18ddc		M-29	25-2W-11bbb1
	19	27-17W-21adc		M-29b	25-2W-11bbb2
Meade	77	32-28W-4ad		M-30	25-2W-11baa
	234	30-27W-23ab		M-30b	25-2W-11abb
Morton	22	31-43W-14ddc		M-31	25-2W-12bbb
	117	35-42W-4cc		M-31b	25-2W-12bba
Ness	1	20-23W-32dc		M-32	25-2W-12baa1
	2	20-22W-20ccc		M-32b	25-2W-12baa2
Pawnee	7a	22-17W-18aad		M-33	25-2W-1daa
	8a	22-16W-6bba		M-33b	25-2W-1add
Reno	855a	24-4W-9dd2		M-34	25-1W-6ccc1
Russell	80	14-15W-9dd1		M-34b	25-1W-6ccc2
	81	14-15W-9dd2		M-35	25-1W-7baa
	117	13-14W-18ad		M-35b	25-1W-6cdd
	146	14-12W-24ab		M-36	25-1W-7bcc1
	148	14-13W-13da		M-36b	25-1W-7bcc2
	149	14-14W-22aa		M-36d	25-1W-7bcc3
Scott	1	20-33W-9bbb		M-37	25-1W-18abb1
	2A	18-33W-26dad		M-37b	25-1W-18abb2
	19	18-33W-12add		M-37d	25-1W-18abb3
	50	19-32W-28dcc		M-38	25-1W-18aaa1
	207	19-33W-29cbb		M-38b	25-1W-18aaa2
	256	20-33W-13baa		M-38d	25-1W-18aaa3
Sedgwick	12	25-1W-26db		M-39	25-1W-17cbb1
	26	27-1E-18cc		M-39b	25-1W-17cbb2
	114	25-2W-7aaa		M-39d	25-1W-17cbb3
	115	25-2W-22bbb		M-40	25-1W-17ccc1
	117	25-1W-20ccc		M-40b	25-1W-17ccc2
	124	25-1W-5dd		M-40d	25-1W-17ccc3
	125	25-1W-10ccc		M-51	25-2W-5bbb1
	126	25-1W-22bbb		M-51b	25-2W-5bbb2
	307	25-2W-1cbb		M-51d	25-2W-5bbb3
	804r	26-1W-16ddd		M-52	25-2W-5bcc1
	805	26-1W-19ab		M-52b	25-2W-5bcc2
	807	26-2W-10bb		M-53	25-2W-5ccd1
	808	26-3W-18bc		M-53b	25-2W-5ccd2
	809	26-1E-21bbb		M-54	25-2W-5dbb1
	810	25-1W-35daa		M-54b	25-2W-5dbb2
	812	25-1W-27bbb		M-55	25-2W-5dcd1
	814	25-1W-14ddd		M-55b	25-2W-5dcd2
	815	25-1W-17aaa	Seward	15	32-33W-21cd
	816	25-1W-7ccc	Shawnee	11-15-16c	11-15E-16dca
	825	25-1W-3aaa	Stafford	19a	21-13W-27dd2
	826	25-1W-5aaa	Stanton	13	27-40W-21daa
	830r	25-2W-30ccc2		93	29-41W-11a
	834	25-3W-9ccc	Sumner	1	30-2E-5cdc
	838	25-3W-33ba		13	30-2E-7ddd1
	840a	25-2W-3cc2		14	30-2E-7ddd2
	842	25-2W-16bbb		19	30-2E-17db
	847	27-1E-6dcc		21	30-2E-21dcc
	870	25-2W-18aab		23	30-2E-18dcc
	1171	25-2W-4aaa		24	30-2E-18aa
	1176	25-1W-5ccc		25	30-1E-11aba
	3004	25-3W-1ddd	Thomas	26	8-32W-27da
	3030	25-2W-11cbc	Wichita	17-36-33bba	17-36W-33bcb

PRECIPITATION

Information pertaining to precipitation was obtained from the U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1965 (U.S. Department of Commerce, 1966). Annual precipitation in the State ranged from 18.02 inches at Tribune in Greeley County to 52.11 inches at Atchison in Atchison County.

Precipitation in Kansas during 1965 is summarized in Figures 4, 5, and 6. Figure 4 shows the monthly precipitation and normal precipitation at Goodland in western Kansas, at Concordia in central Kansas, and at Lawrence in eastern Kansas. The normal precipitation and the departure from normal in the nine Weather Bureau divisions of the State (Fig. 5), as stated by the Weather Bureau in the Annual Summary, Climatological Data, 1965, are:

Division	Precipitation, 1965	Normal precipitation, inches	Departure from normal, inches
Northwest	29.42	19.33	+ 10.09
North-central	29.88	25.87	+ 4.01
Northeast	42.19	32.97	+ 9.22
West-central	25.42	19.29	+ 6.13
Central	31.72	25.81	+ 5.91
East-central	39.81	35.18	+ 4.63
Southwest	24.59	18.01	+ 6.58
South-central	31.25	26.46	+ 4.79
Southeast	38.31	36.34	+ 1.97

The average precipitation was above normal in all divisions of the State. Precipitation ranged from 1.97 inches above normal in the southeast division to 10.09 inches above normal in the northwest division.

Figure 6 shows the annual and normal precipitation for the period 1941 through 1965 at Goodland, Dodge City, Concordia, Wichita, Lawrence, and Parsons, Kansas.

CHANGES IN WATER LEVELS

The water level in wells is not stationary but fluctuates up and down, depending upon the rate of discharge and the rate of replenishment of the ground-water reservoir. Under natural conditions, over a long period of time, an approximate equilibrium exists between the amount of water that is added to ground-water storage and the amount that is discharged. The water level rises when the amount of recharge exceeds the amount of discharge, and declines when the discharge exceeds the recharge. Thus, changes of the water level in wells indicate to what extent the ground-water reservoir is being depleted or replenished.

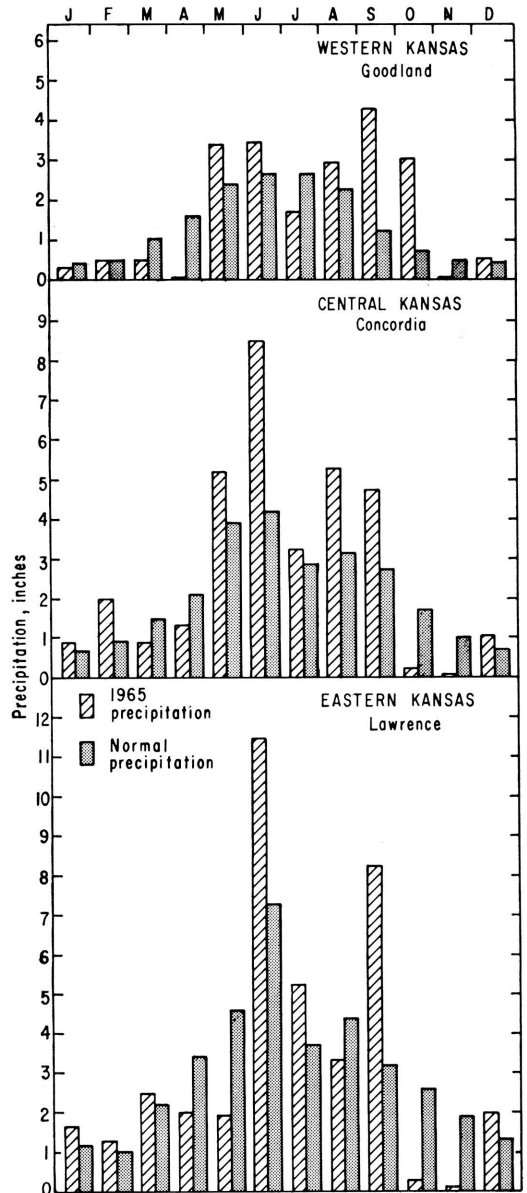


FIGURE 4.—Monthly precipitation during 1965 and normal monthly precipitation at Goodland, Concordia, and Lawrence, Kansas. Data from U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1965 (U.S. Department of Commerce, 1966).

The relation between the amount of precipitation and the level at which the water stands in wells is complicated by several factors. During a long dry period, the soil moisture becomes depleted through direct evaporation and transpiration by plants, and, during times of precipitation, soil moisture must be replenished

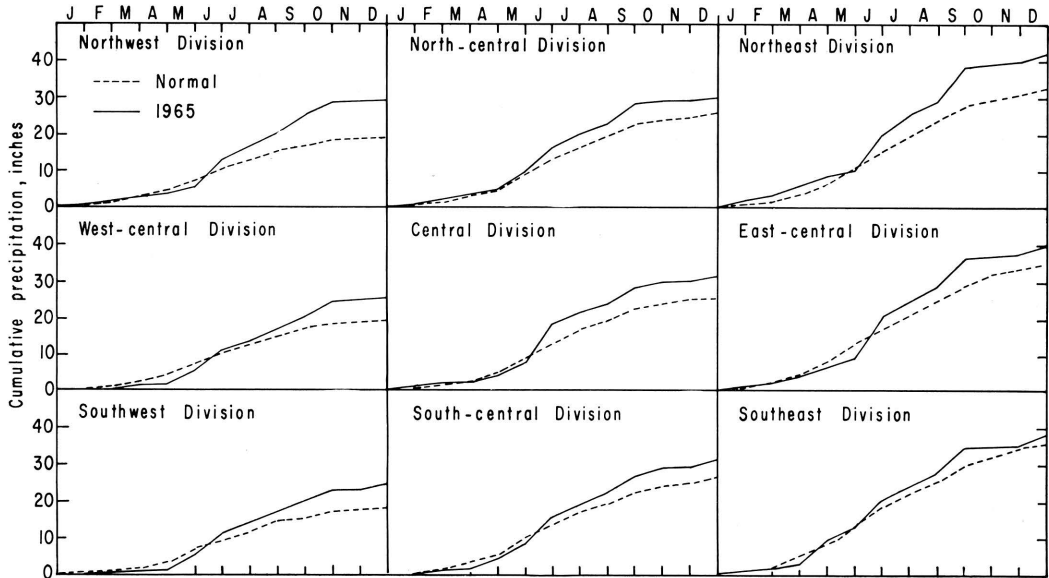


FIGURE 5.—Cumulative normal precipitation and cumulative precipitation for 1965 in nine divisions of Kansas. Data from U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1965 (U.S. Department of Commerce, 1966).

to field capacity before water can start to descend to the water table. During winter, when the ground is frozen, the water falling on the surface is hindered from reaching the water table, and, during the hot summer, some of the water that falls as rain is lost directly into the air by evaporation.

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

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

WESTERN KANSAS

Nearly all municipal water supplies in western Kansas are obtained from ground-water sources. Also, large quantities of water are pumped for irrigation. Average annual recharge in much of the area is low, but varies in response to a number of factors. The recharge ranges from a high of 4 inches per year in small areas

of favorable surface geology and during periods of above-normal rainfall, to nearly zero in areas of tight soil and during periods of drought. The highest rate of recharge is believed to occur in the sand hill areas located south of the major streams. Most of this recharge occurs during years of heavy precipitation. The changes in water levels in western Kansas are shown by the hydrographs of 13 wells (Fig. 7 and 8). The changes in water levels in selected observation wells at approximately 5-year intervals are shown for 9 counties in southwestern Kansas (Fig. 9, 10, and 11).

Precipitation was considerably above normal in western Kansas during 1965. For this reason, recharge was greater than normal, and the use of ground water for irrigation was reduced. As a result, water levels generally rose slightly during the year, as shown by the hydrographs in Figures 7 and 8. However, with a return to normal precipitation and the expanding use of ground water for irrigation, water levels will revert to the general downward trend of recent years in irrigated areas. Descriptions of the changes of water levels in Grant and Stanton counties in response to the expansion of irrigation practice are contained in reports (Winslow, Nuzman, and Fader, 1964; Nuzman and Meyer, 1965) published by the State Geological Survey of Kansas.

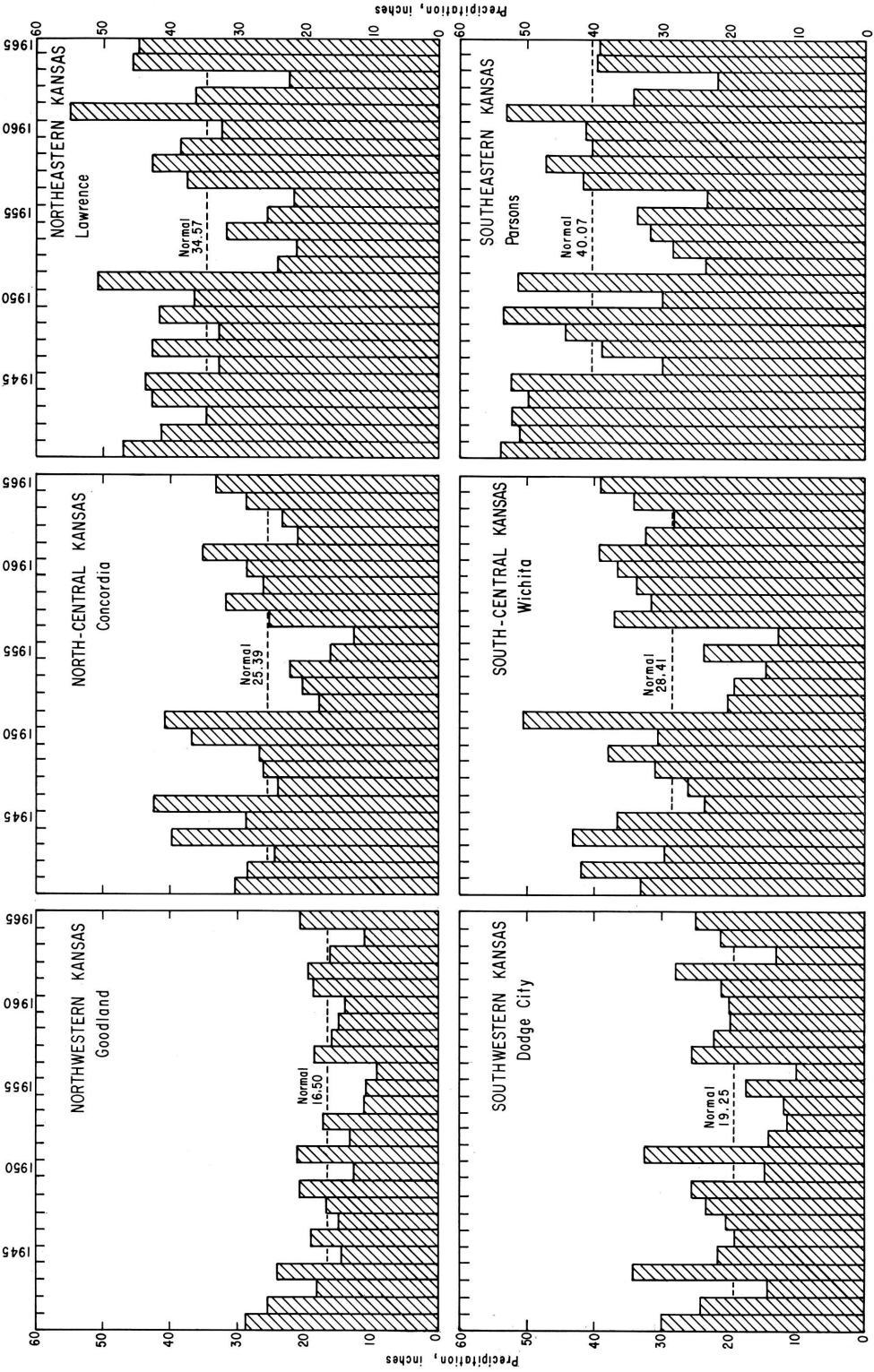


FIGURE 6.—Annual precipitation and normal precipitation for the period 1941 through 1965 at Goodland, Dodge City, Concordia, Wichita, Lawrence, and Parsons, Kansas. (Normals are for the base period 1931-1960.) Data from U.S. Weather Bureau, Climatological Data, Kansas, Annual Summary, 1965 (U.S. Dept. Commerce, 1966).

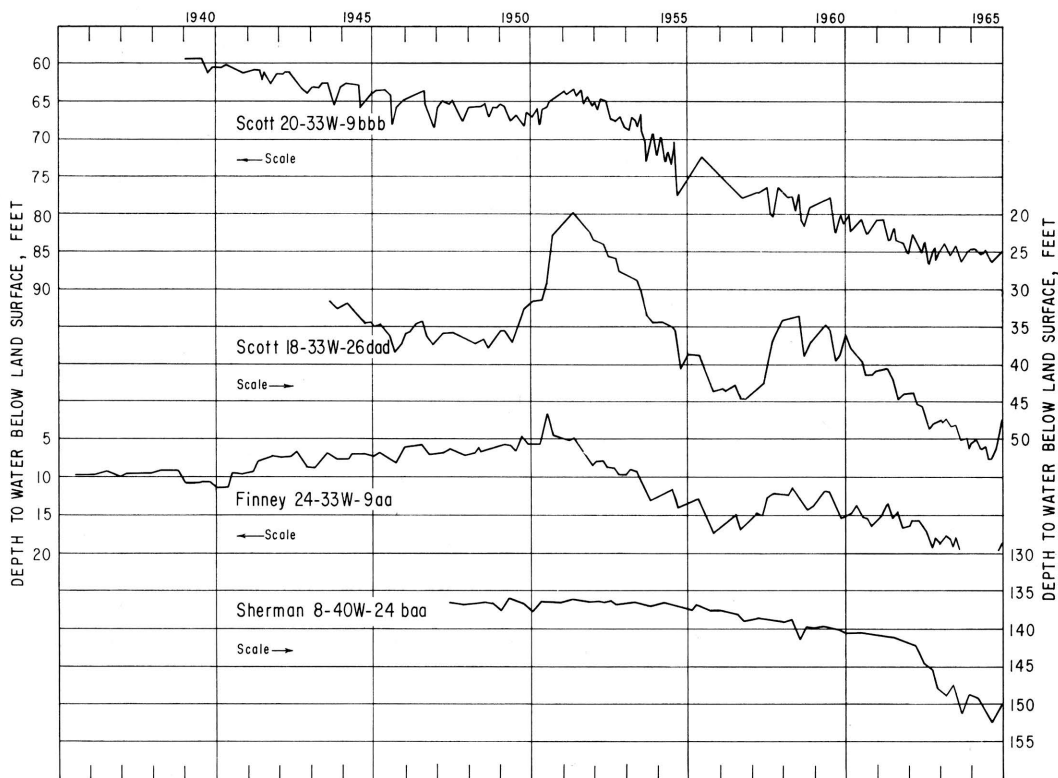


FIGURE 7.—Hydrographs of four wells in Finney, Scott, and Sherman counties, Kansas.

CENTRAL KANSAS

Changes in ground-water levels in central Kansas are shown in Figure 12, which includes hydrographs of one well in Barton County, one in Mitchell County, two in Sedgwick County, and three in Harvey County. Well 25-2W-1cbb in Sedgwick County and the three wells in Harvey County are in the Wichita well-field area.

Ground-water levels rose slightly or had insignificant net change in most of central Kansas in 1965. The water level in well 6-9W-27ab in Mitchell County had a net decline of 0.4 foot for the year. The water level in well 20-13W-12ada in Barton County had an insignificant net change. The water level rose about 2 feet in well 25-1W-26db in Sedgwick County.

Pumping for municipal supply in the *Equus*-beds area was begun in 1940 by the City of Wichita. The decline of the water level in the vicinity of the Wichita well field (Fig. 13) has been caused by two factors: pumping by the City of Wichita, and pumping of the many irrigation wells drilled in recent years. The net declines

of water level in the area, between August 31, 1940, and December 31, 1964 and 1965, are shown in Figure 14. The rise in water levels during 1965 is the result of additional recharge from above-normal precipitation combined with a reduction in pumping from city and irrigation wells. Beginning mid-1965, part of the municipal supply has been obtained from the new Cheney Reservoir, and pumping in the well-field area has been reduced proportionately.

EASTERN KANSAS

Changes in ground-water levels in eastern Kansas are represented in Figure 15 by the hydrograph of one well in Douglas County and one well in Shawnee County. The decline of water levels in the two wells during 1962 and 1963 reflects the amount of annual precipitation in 1961, 1962, and 1963. Precipitation at Topeka, in Shawnee County, was 8.57 inches above normal in 1961, 0.10 inch below normal in 1962, and 13.29 inches below normal in 1963. At Lawrence, in Douglas County, precipitation was 20.46 inches above normal in 1961, 1.82 inches

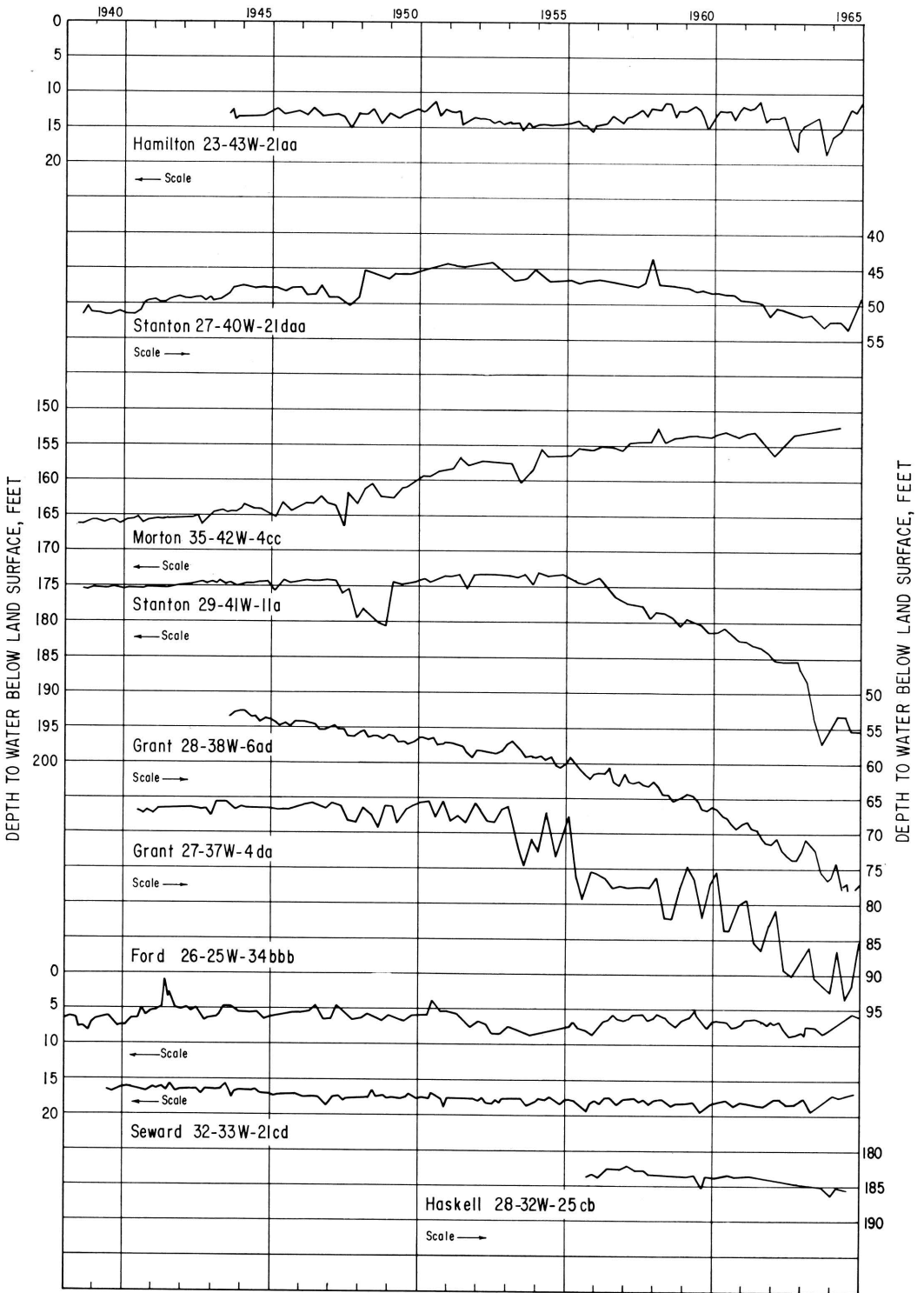


FIGURE 8.—Hydrographs of nine wells in Ford, Grant, Hamilton, Haskell, Morton, Seward, and Stanton counties, Kansas.

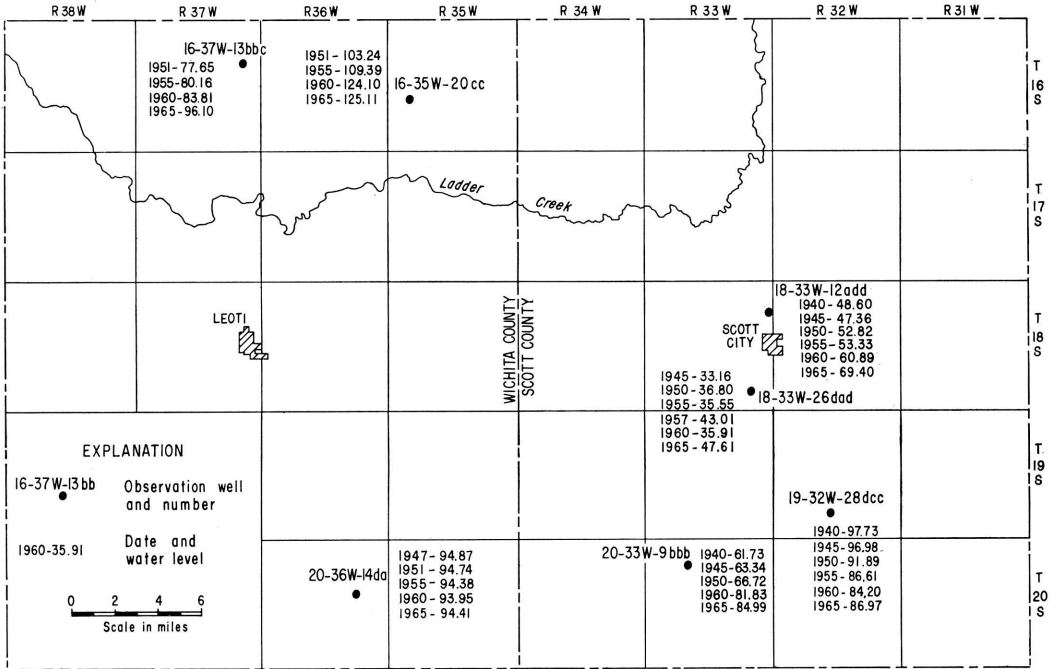


FIGURE 9.—Depth to water in selected observation wells in Scott and Wichita counties, Kansas.

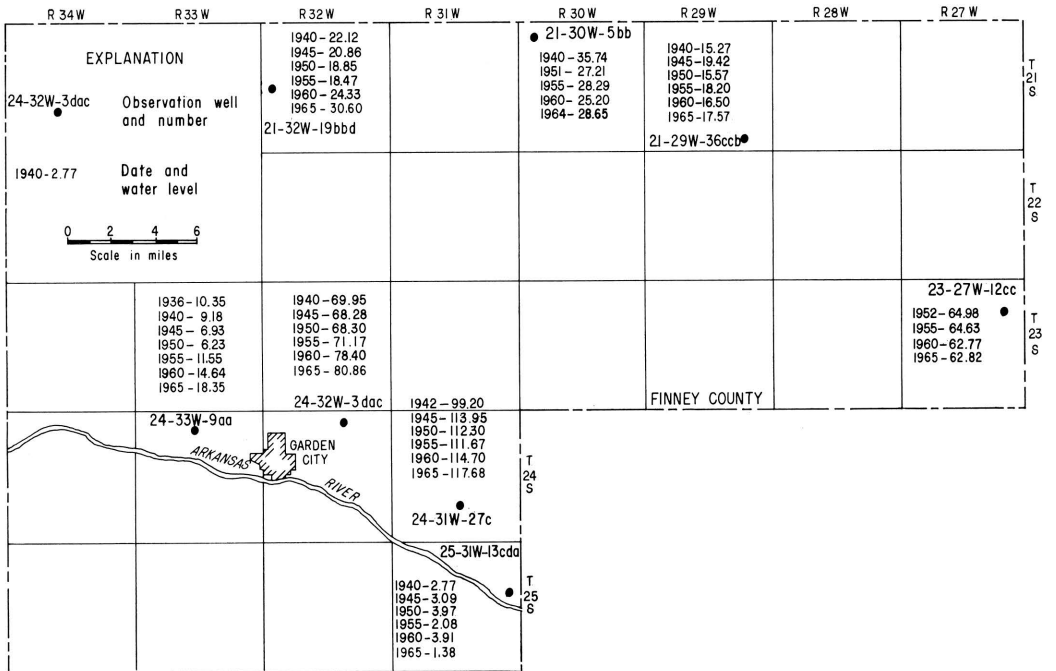


FIGURE 10.—Depth to water in selected observation wells in Finney County, Kansas.

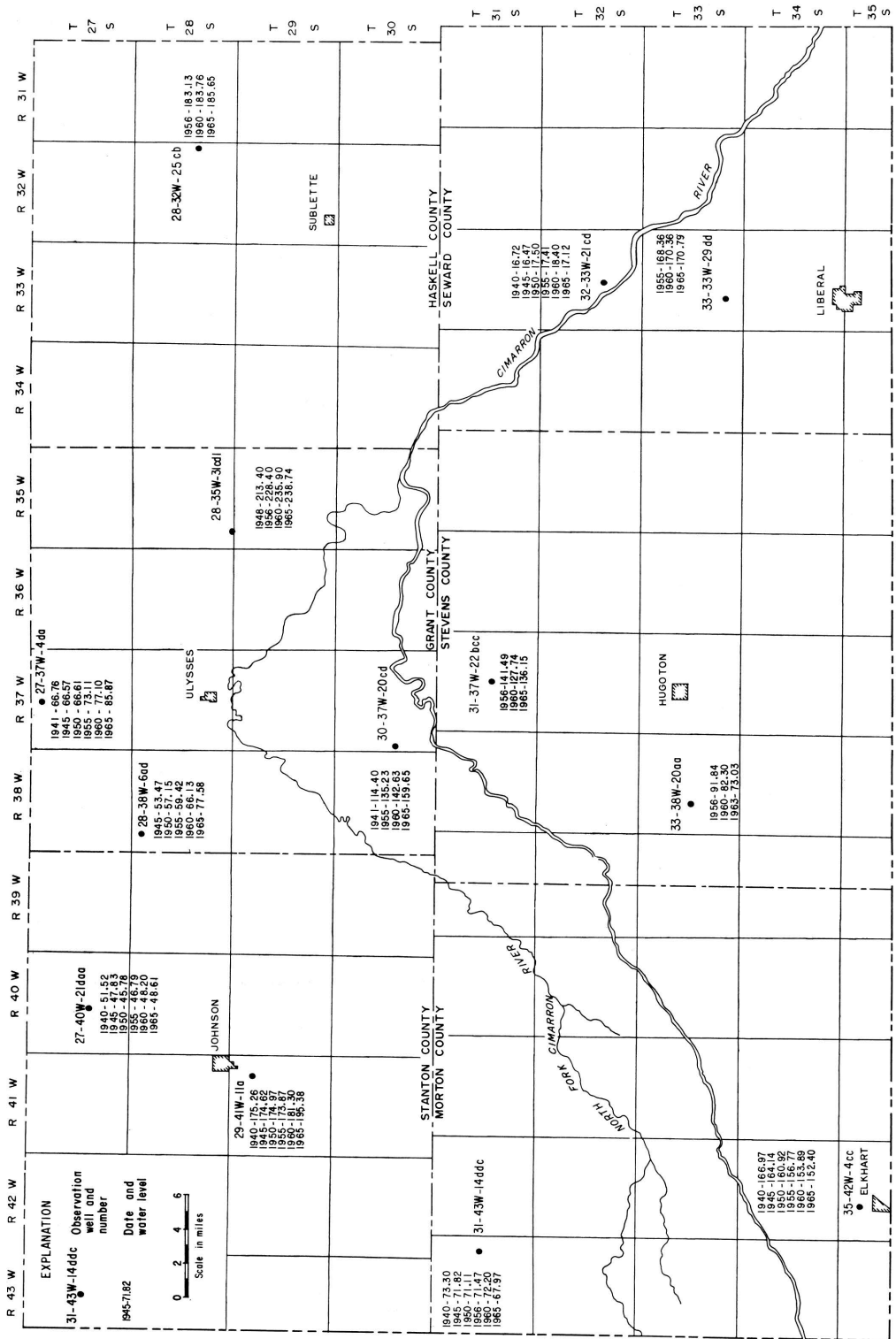


FIGURE 11.—Depth to water in Morton, Stanton, Grant, Stevens, Haskell, and Seward counties, Kansas.

above normal in 1962, and 11.97 inches below normal in 1963.

The water level in both wells has risen since 1963 in response to above-normal precipitation. At Topeka, in Shawnee County, precipitation was 3.62 inches and 5.61 inches above normal in 1964 and 1965, respectively. At Lawrence, in Douglas County, precipitation was 11.08 inches and 2.42 inches above normal in 1964 and 1965, respectively.

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

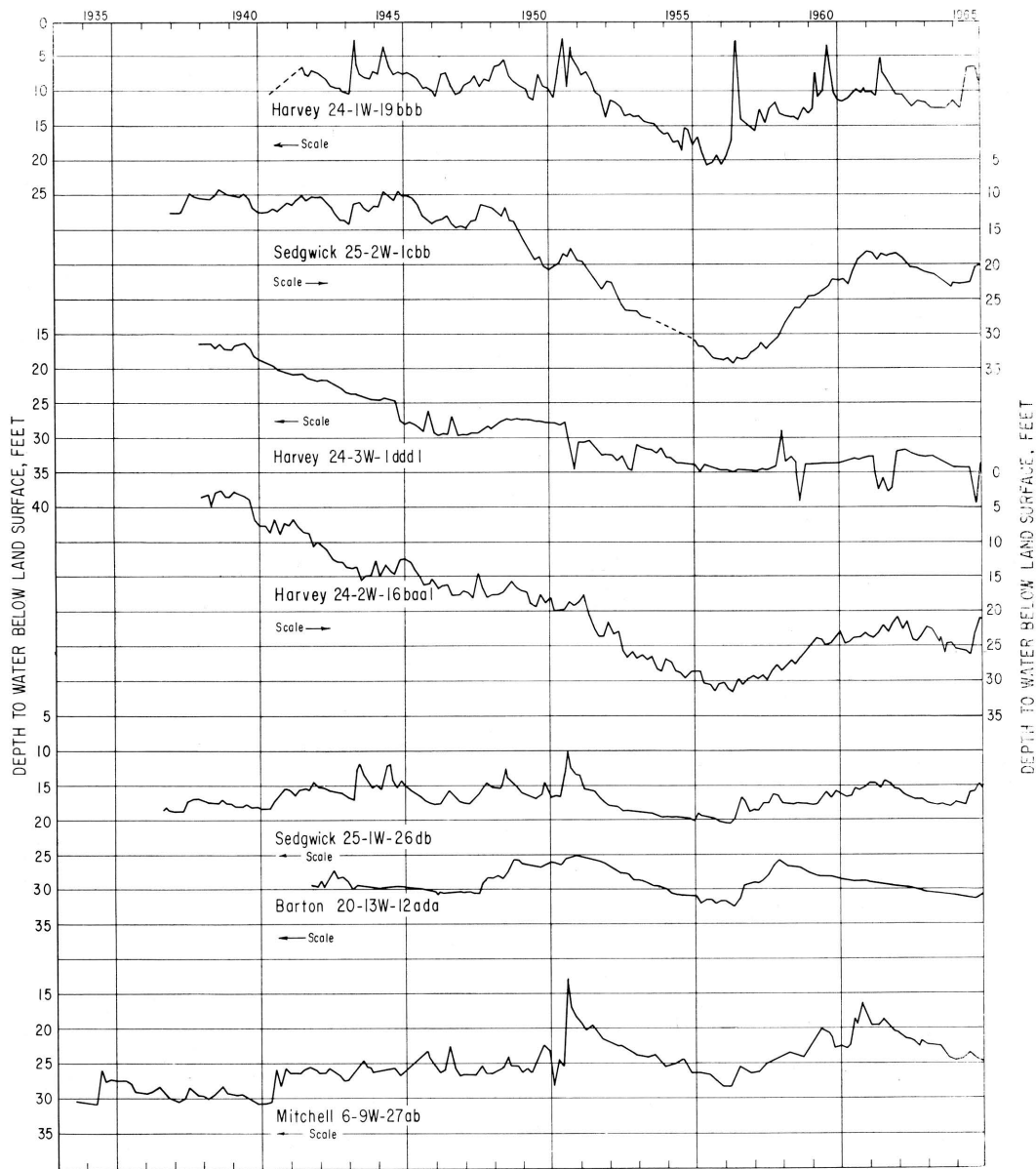


FIGURE 12.—Hydrographs of seven wells in Barton, Mitchell, Harvey, and Sedgwick counties, Kansas.

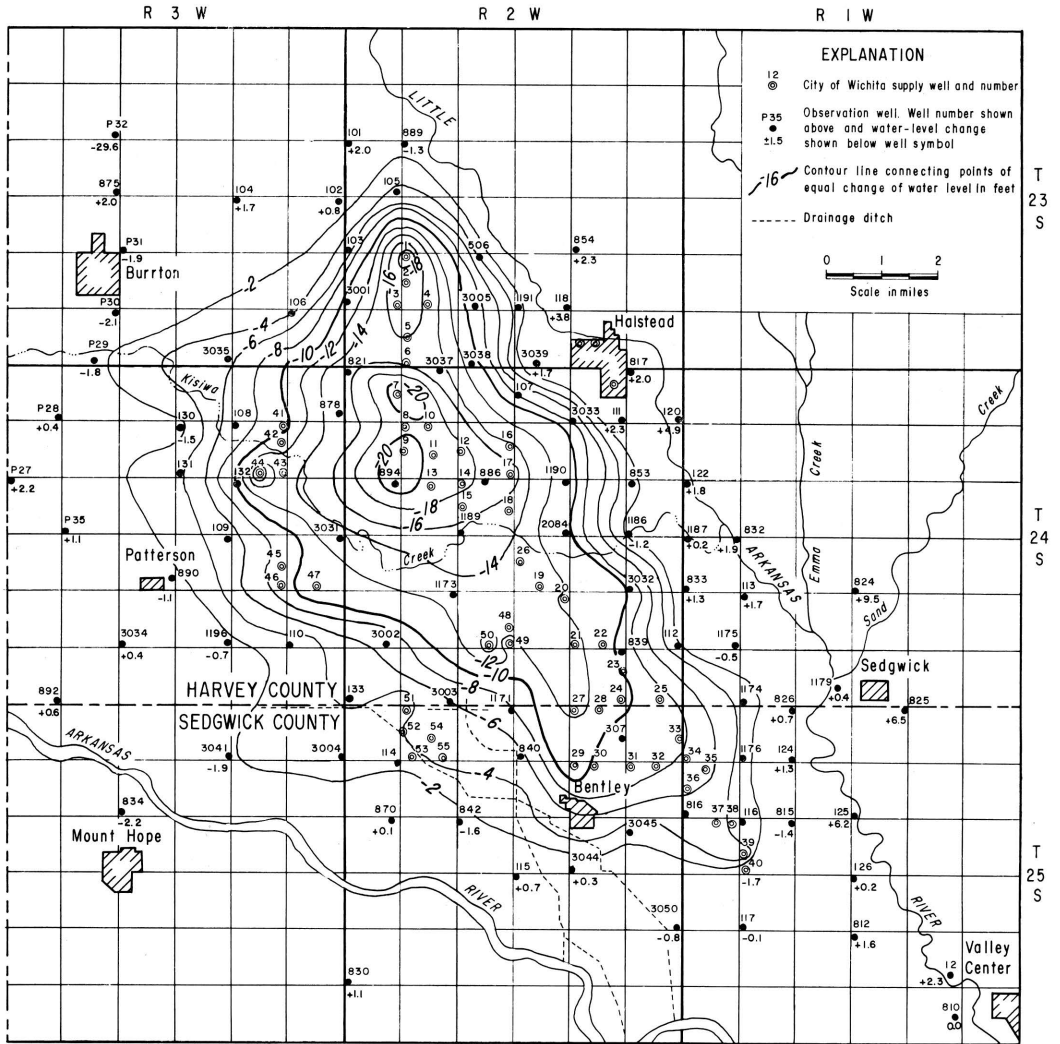


FIGURE 13.—Map of Wichita well field in *Equus*-beds area showing lines of equal change in water level from August 31, 1940, to December 31, 1965.

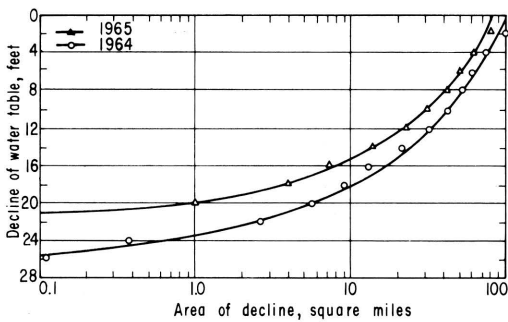


FIGURE 14.—Area and amount of decline of water table in Wichita well field, December 31, 1964, and December 31, 1965, below the water table of August 31, 1940.

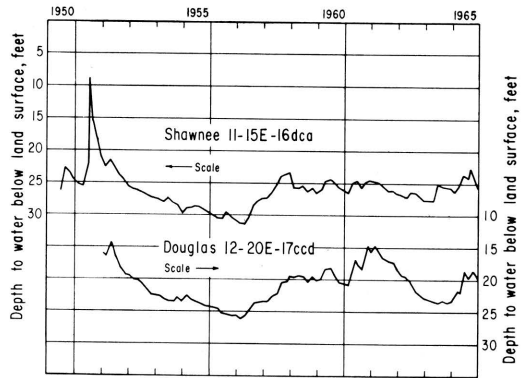


FIGURE 15.—Hydrographs of two wells in Douglas and Shawnee counties, Kansas.

water reported are in feet below the land-surface datum.

Information for each well in Table 5 is reported by the method explained in the following example taken from p. 21: County (Chase); well number (19-7E-10da); 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 (1948-1965); month,

day, and depth to water below land-surface datum of measurements made during 1965 (Apr. 26, 7.74; June 7, 5.11; July 29, 8.78; Sept. 29, 6.25).

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

TABLE 5.—Water levels in observation wells in Kansas.

BARBER COUNTY

31-15W-19bd. (1) D. S. Shaw. Drilled, unused, water-table well in deposits of Permian age; diameter 8 to 6 inches, depth 95 feet. Measuring point, top of well cover, 1.05 feet above lsd. Highest water level 63.25 below lsd, Dec. 19, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-64. No measurement made in 1965.

32-11W-30bb. Phillips Petroleum Co. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 2.69 below lsd, Sept. 22, 1965; lowest 6.63 below lsd, Aug. 27, 1964. Records available: 1963-65.

Jan. 20	4.00	May 21	3.71	Sept. 22	2.69
Feb. 16	4.03	June 23	3.64	Oct. 26	3.61
Mar. 24	4.11	July 22	4.25	Nov. 17	3.80
Apr. 13	3.90	Aug. 18	4.49	Dec. 22	3.84

32-11W-30cb. D. S. Grigsby Estate. Drilled, unused, water-table domestic well in alluvium; diameter 6 inches, depth 33 feet. Measuring point, top south edge of casing, at land surface. Highest water level 6.07 below lsd, June 23, 1965; lowest 8.83 below lsd, Sept. 16, 1964. Records available: 1963-65.

Jan. 20	7.07	May 21	6.71	Sept. 17	6.24
Feb. 16	7.47	June 23	6.07	Oct. 26	6.57
Mar. 24	6.91	July 22	6.26	Nov. 17	6.69
Apr. 13	6.59	Aug. 18	6.63	Dec. 22	6.79

32-12W-4dc. (4) Madge Evans. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 66 feet. Measuring point, top south side of pump base, 0.80 foot above lsd. Highest water level 12.50 below lsd, June 22, 1949; lowest 19.40 below lsd, Sept. 16, 1964. Records available: 1940-65. Mar. 24, 17.19; June 23, 16.49; Sept. 22, 16.32; Dec. 22, 16.53.

33-11W-20ba. Continental Oil Co. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.56 feet

above lsd. Highest water level 5.84 below lsd, June 27, 1963; lowest 8.61 below lsd, Sept. 16, 1964. Records available: 1963-65.

Jan. 20	7.16	May 21	6.55	Sept. 22	6.71
Feb. 16	7.20	June 23	6.44	Oct. 26	7.03
Mar. 24	7.28	July 22	7.33	Nov. 17	7.38
Apr. 13	7.19	Aug. 18	8.03	Dec. 22	7.50

33-11W-28cb. Albert Harbaugh. Drilled, water-table well in alluvium; diameter 6 inches, depth 29 feet. Measuring point, top west edge of 6-inch coupling, 2.50 feet above lsd. Highest water level 2.79 below lsd, June 23, 1965; lowest 5.23 below lsd, July 30, 1964. Records available: 1963-65.

Jan. 20	3.78	May 21	3.27	Oct. 26	3.62
Feb. 16	3.47	June 23	2.79	Nov. 17	3.84
Mar. 24	3.40	July 22	4.22	Dec. 22	3.82
Apr. 13	3.75	Aug. 18	4.75		

34-15W-17ad. (8) P. Brack. Dug, unused, water-table well in alluvium; diameter 36 inches, depth 26 feet, cribbed with brick. Measuring point, top north side of brick curb, 0.60 foot above lsd. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 21.01 below lsd, Apr. 3, 1957. Records available: 1940-64. No measurement made in 1965.

34-15W-18dd. (9) V. D. Wells. Driven, unused, water-table well in alluvium; diameter 1 inch, depth 6 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-64. No measurement made in 1965.

35-15W-11cb. (10) G. H. Davis. Drilled, unused, water-table well in deposits of Permian age; diameter 5 inches, depth 152 feet. Measuring point, top of casing, 0.10 foot below lsd. Highest water level 102.20 below lsd, Mar. 15, 1945; lowest 107.72 below lsd, Sept. 25, 1948. Records available: 1940-64. No measurement made in 1965.

BARTON COUNTY

17-14W-33aa. (110). Prudential Life Insurance Co. Drilled, unused, water-table well in alluvium; diameter 6 inches, depth 47 feet. Measuring point, top southwest side of casing below pump base, 0.30 foot above lsd. Highest water level 8.69 below lsd, July 22, 1958; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-65. June 21, 18.00.

18-15W-28ccc. (109a) A.T.S.F. right-of-way. Drilled, water-table observation well in alluvium; diameter 1½ inches, depth 68 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.86 below lsd, Nov. 20, 1961; lowest 14.86 below lsd, Sept. 15, 1964. Records available: 1960-65.

Jan. 18	13.90	May 18	13.84	Sept. 21	14.14
Feb. 17	13.83	June 21	11.49	Oct. 25	14.03
Mar. 24	13.73	July 20	11.73	Nov. 19	13.83
Apr. 15	13.63	Aug. 17	14.78	Dec. 20	13.78

19-15W-22dda. (131) F. W. Gagleman. Drilled, unused, water-table well in alluvium; diameter 5 inches, depth 24 feet. Measuring point, top north edge of casing, 0.30 foot above lsd. Highest water level 8.05 below lsd, June 25, 1951; lowest 17.48 below lsd, Feb. 19, 1957. Records available: 1944-65.

Jan. 18	15.85	June 21	15.23	Oct. 25	15.46
Mar. 24	15.78	July 20	14.99	Nov. 19	15.50
Apr. 15	15.78	Aug. 17	15.04	Dec. 20	15.56
May 18	15.91	Sept. 21	15.39		

20-11W-20ccc. (43) M. Hagen. Drilled, unused, water-table well in Pleistocene Grand Island Formation; diameter 6 inches, depth 44 feet. Measuring point, top west edge of casing, 0.50 foot above lsd. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 23.71 below lsd, Mar. 20, 1957. Records available: 1942-65. Mar. 26, 22.63; June 21, 21.69; Sept. 20, 21.05; Dec. 20, 19.82.

20-13W-12ada. (16) Teichmann. Drilled, unused, water-table well in Pleistocene Grand Island Formation; diameter 6 inches, depth 32 feet. Measuring point, top northwest side of casing, 1.10 feet above lsd. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 33.14 below lsd, Sept. 14, 1956. Records available: 1942-65. Mar. 26, 31.10; June 21, 31.21; Sept. 21, 31.23; Dec. 20, 30.98.

BROWN COUNTY

3-16E-28bdd. Powhattan Community. Drilled, water-table public-supply well in glacial till; diameter 12 inches, depth 41 feet. Measuring point, top of 2x6 between pump and jack, 0.20 foot above lsd. Highest water level 8.67 below lsd, Mar. 14, 1962; lowest 26.46 below lsd, Apr. 16, 1964. Records available: 1960-65. Mar. 25, 18.36; Nov. 4, 14.00.

3-17E-31bbb. Baker Community. Drilled, water-table public-supply well in Pennsylvanian limestone; diameter 12 inches, depth 75 feet. Measuring point, top of concrete platform, 0.20 foot above lsd. Highest water level 53.63 below lsd, Sept. 18, 1962; lowest 58.69 below lsd, Oct. 29, 1964. Records available: 1960-65. Mar. 25, 55.94; Nov. 4, 55.92.

4-16E-15aad. Mercier Community. Dug, water-table public-supply well in glacial till; diameter 10 feet, depth

44 feet. Measuring point, top of concrete platform, east side of opening, 0.60 foot above lsd. Highest water level 1.98 below lsd, Mar. 14, 1962; lowest 21.62 below lsd, Apr. 16, 1964. Records available: 1960-65. Mar. 25, 8.92; Nov. 4, 9.50.

4-18E-29bda. City of Everest. Dug, water-table public-supply well in glacial till and Pennsylvanian limestone; diameter 8 feet, depth 60 feet. Measuring point, top of concrete rim around manhole, 4.50 feet below lsd. Highest water level 24.62 below lsd, Mar. 14, 1962; lowest 43.73 below lsd, Feb. 4, 1964. Records available: 1960-65. Mar. 25, 38.68.

CHASE COUNTY

18-9E-29cc. Peak & Hatcher Co. Drilled, domestic well in Lower Permian Bader Limestone and Easy Creek Shale; diameter 8 inches, depth 34 feet. Measuring point, top of casing, 0.30 foot above lsd. Highest water level 15.75 below lsd, Feb. 9, 1960; lowest 25.74 below lsd, Mar. 8, 1955. Records available: 1947-65. Apr. 26, 19.38; June 7, 16.92; July 29, 22.63; Sept. 29, 19.41.

19-7E-10da. 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: 1948-65. Apr. 26, 7.74; June 7, 5.11; July 29, 8.78; Sept. 29, 6.25.

20-6E-31bd. B. S. Thompson. Drilled, unused, water-table well in Lower Permian Wreford Limestone; diameter 6 inches, depth 43 feet. Measuring point, top of iron casing, 0.70 foot above lsd. Highest water level 14.20 below lsd, July 24, 1951; lowest 32.95 below lsd, Feb. 16, 1957. Records available: 1947-65. Apr. 26, 24.71; July 29, 20.51; Sept. 29, 18.91.

20-7E-13cb. Geo. W. Starkey. Dug, water-table domestic well in Lower Permian Fort Riley and Florence Limestone members of Barneston Limestone; diameter 4 feet, depth 56 feet, cribbed with rock. Measuring point, top of concrete cover under pump, 0.60 foot above lsd. Highest water level 8.87 below lsd, Sept. 5, 1950; lowest 52.39 below lsd, July 6, 1953. Records available: 1947-65. Apr. 26, 18.05; July 29, 14.90; Sept. 29, 16.03.

CHEROKEE COUNTY

32-24E-19c. (3) Fleming Mine #3. Drilled, unused, artesian well in Lower Ordovician Roubidoux Formation; diameter 8 inches, depth 850 feet. Measuring point, crack in 4-inch coupling, 2.35 feet above lsd. Highest water level 196.53 below lsd, July 23, 1943; lowest 221.70 below lsd, Oct. 27, 1965. Records available: 1943, 1950-58, 1960-65. May 4, 214.36; Oct. 27, 221.70.

32-25E-6dad. John P. Matter. Dug well in Dry Wood and Rowe coal beds of the Krebs Formation (Cherokee Group); diameter 5 feet, depth 25 feet, cribbed with rock. Measuring point, top of concrete slab in wood box, 0.50 foot above lsd. Highest water level 5.05 below lsd, May 6, 1960; lowest 19.45 below lsd, Aug. 3, 1954. Records available: 1951-58, 1960-64. No measurement made in 1965.

34-23E-2aba. (1) W. L. Stiles. Dug, water-table domestic well in Middle Pennsylvanian Bluejacket Sandstone Member of the Krebs Formation (Cherokee Group); diameter 6 feet, depth 27 feet, cribbed with rock. Measuring point, top of opening in well curb,

CHEROKEE COUNTY—concluded.

0.80 foot above lsd. Highest water level 4.90 below lsd, June 5, 1957; lowest 20.75 below lsd, Dec. 27, 1963. Records available: 1942-45, 1948, 1950-58, 1960-65. May 4, 12.75; Oct. 27, 16.90.

34-24E-36bd. City of Baxter Springs. Drilled, artesian municipal well in Roubidoux Formation; diameter 16 inches, depth 1,094 feet. Measuring point, top of casing, 1.80 feet above lsd. Highest water level 242.12 below lsd, May 13, 1965; lowest 394.25 below lsd, July 11, 1956. Records available: 1956-58, 1960-63, 1965. May 13, 242.12.

CHEYENNE COUNTY

1-38W-2cdc. Paul O'Brien. Drilled, water-table irrigation well in alluvium; diameter 18 inches, depth 41 feet. Measuring point, top of hole in turbine base, 1.00 foot above lsd. Highest water level 21.37 below lsd, May 6, 1952; lowest 25.95 below lsd, Aug. 4, 1964. Records available: 1948-65.

Jan 25	25.00	May 4	P	Nov. 1	22.42
Feb. 9	23.92	June 8	24.35	Dec. 7	25.20
Mar. 10	23.78	Sept. 8	23.98		

1-38W-8dcc. H. O. Haines. Drilled, water-table irrigation well in alluvium; diameter 18 inches, depth 34 feet. Measuring point, hole in inside of turbine base, 1.00 foot above lsd. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 15.15 below lsd, May 12, 1959. Records available: 1946-65. Jan. 25, 13.79; Feb. 9, 13.49; May 4, 12.87; Nov. 1, 12.05.

2-39W-27bbb. 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: 1946-65. Jan. 25, 18.14; Feb. 9, 19.24; May 4, 18.90; Nov. 1, 17.49.

3-39W-32bdc. Clarence Yonkey. Drilled, water-table irrigation well in Pliocene Ogallala Formation; diameter 16 inches, depth 224 feet. Measuring point, hole in pump-head base, 0.80 foot above lsd. Highest water level 152.08 below lsd, Apr. 10, 1963; lowest 178.74 below lsd, July 15, 1960. Records available: 1960-65. Mar. 10, 152.80; June 8, 157.30; Sept. 8, 160.17; Dec. 7, 167.98.

3-40W-9baa. P. G. Walter. Bored, water-table stock well in Ogallala Formation; diameter 5 inches. Measuring point, edge of casing, 0.20 foot above lsd. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1946-65. Feb. 9, 20.43; May 4, 20.46; Nov. 1, 20.43.

3-40W-22aba. 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: 1946-65. Feb. 9, 17.36; May 4, 16.92; Nov. 1, 16.69.

3-42W-21bcc. Andrew Rueb. Drilled, water-table stock well in Ogallala Formation; diameter 5 inches, depth 220 feet. Measuring point, hole in base of pump, 0.80 foot above lsd. Highest water level 201.45 below lsd, Dec. 23, 1953; lowest 204.77 below lsd, May 23, 1963. Records available: 1953-65. Feb. 9, 202.61; May 4, 203.02; Nov. 1, P.

3-42W-22dad. F. F. Blair. Drilled, unused, water-table well in Ogallala Formation, diameter 5 inches, depth 162 feet. Measuring point, edge of 5-inch casing, 1.30 feet above lsd. Highest water level 137.85 below lsd, May 25, 1955; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-61, 1963-65. Feb. 9, 138.53.

3-42W-26cad. Henry Richers. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 6 inches, depth 196 feet. Measuring point, edge of 6-inch casing, 0.80 foot above lsd. Highest water level 175.70 below lsd, Aug. 30, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-61, 1963-65. Feb. 9, 180.80; May 4, 180.33; Nov. 1, P.

3-42W-28dda. Clarence Raile. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 5 inches, depth 159 feet. Measuring point, hole in base of pump, 0.30 foot above lsd. Highest water level 139.55 below lsd, Jan. 3, 1962; lowest 152.45 below lsd, Nov. 7, 1960. Records available: 1953-65. Feb. 9, P.

4-42W-5aaa. W. E. Klie. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 5 inches, depth 223 feet. Measuring point, top of concrete curb, 1.20 feet above lsd. Highest water level 190.90 below lsd, Sept. 2, 1953; lowest 195.88 below lsd, Aug. 13, 1963. Records available: 1953-61, 1963-65. Feb. 9, 194.70; Nov. 11, 194.35.

4-42W-26bcb. Pete O'Brien. Drilled, water-table irrigation well in Ogallala Formation; diameter 24 inches, depth 56 feet. Measuring point, edge of steel casing, 0.50 foot above lsd. Highest water level 20.53 below lsd, Apr. 18, 1960; lowest dry, July 18, 1960. Records available: 1954-65. Feb. 9, 22.26; May 4, P; Nov. 1, P.

5-38W-22acc. R. W. Gilliland. Drilled, irrigation well in Ogallala Formation; diameter 18 inches, depth 270 feet. Measuring point, hole in south side pump base, 0.20 foot above lsd. Highest water level 90.11 below lsd, Mar. 17, 1964; lowest 99.71 below lsd, Dec. 16, 1964. Records available: 1964-65. Mar. 10, P; June 8, 99.62; Sept. 8, 96.20; Dec. 6, 94.71.

CLARK COUNTY

30-23W-6aaa. Arnold Houff. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 6 inches, depth 160 feet. Measuring point, top of crack in pump, 1.40 feet above lsd. Highest water level 135.90 below lsd, Jan. 17, 1961; lowest 142.61 below lsd, Mar. 8, 1954. Records available: 1939, 1952-65. Mar. 24, 139.77; June 23, 139.98; Sept. 22, 139.74; Dec. 21, 139.61.

32-23W-24dd. (10) J. F. Folks Estate. Drilled, water-table stock well in deposits of Pleistocene age; diameter 6 inches, depth 23 feet. Measuring point, top south side of casing, 2.62 feet above lsd. Highest water level 12.82 below lsd, Jan. 21, 1959; lowest 23.17 below lsd, Mar. 24, 1965. Records available: 1940-47, 1954-65. Mar. 21, 23.17. Measurement discontinued.

32-23W-26dd. Owner unknown. Drilled, water-table stock well in deposits of Pleistocene age; diameter 5 inches, depth 55 feet. Measuring point, hole in north-east side concrete pump base, 0.60 foot above lsd. Highest water level 30.48 below lsd, Sept. 16, 1964; lowest 51.77 below lsd, Sept. 22, 1965. Records available: 1964-65. Mar. 24, 47.53; June 23, 47.38; Sept. 22, 51.77; Dec. 21, 47.84.

33-22W-30cbc. Katherine Klinger. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 18 inches, depth 168 feet. Measuring point,

flap opening on west side of pump, 0.71 foot above lsd. Highest water level 12.38 below lsd, Jan. 16, 1963; lowest 29.85 below lsd, Apr. 18, 1962. Records available: 1961-65. Mar. 24, 13.30; June 23, 12.46; Sept. 22, 18.40; Dec. 21, 13.59.

35-21W-7aaa. (6) District school. Drilled, unused, water-table well in alluvium; diameter 6 inches, depth 33 feet. Measuring point, top south side of casing, at land surface. Highest water level 25.27 below lsd, Dec. 21, 1965; lowest 28.06 below lsd, July 23, 1958. Records available: 1940-43, 1950-65. Mar. 24, 26.05; June 23, 25.98; Sept. 22, 25.34; Dec. 21, 25.27.

CLOUD COUNTY

5-1W-26cc. U.S.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 4.8 feet above lsd. Highest water level 11.0 below lsd, Nov. 3, 1965; lowest 15.2 below lsd, Mar. 9, 1965. Records available: 1963-65.

Jan. 6	14.5	May 20	14.3	Sept. 30	12.4
Mar. 9	15.2	July 22	11.6	Nov. 3	11.0

5-2W-17dd. U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 3.5 feet above lsd. Highest water level 16.8 below lsd, Jan. 8, 1963; lowest 19.5 below lsd, Nov. 10, 1964. Records available: 1962-65.

Jan. 6	19.0	May 20	19.2	Sept. 30	18.0
Mar. 9	18.9	July 22	19.1	Nov. 3	18.3

5-3W-19bb. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 39 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 15.40 below lsd, Aug. 1, 1951; lowest 22.43 below lsd, Mar. 20, 1957. Records available: 1950-65.

Jan. 6	21.5	May 20	20.7	Sept. 30	20.0
Mar. 9	21.2	July 22	19.6	Nov. 3	19.8

5-3W-20dd. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 15 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.36 below lsd, July 27, 1950; lowest 11.86 below lsd, Feb. 19, 1957. Records available: 1950-65.

Jan. 6	11.7	May 20	10.9	Sept. 30	10.6
Mar. 9	10.4	July 22	8.2	Nov. 3	9.5

5-3W-22bc. U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 3.5 feet above lsd. Highest water level 15.0 below lsd, Jan. 6, 1965; lowest 21.57 below lsd, July 15, 1963. Records available: 1962-65.

Jan. 6	15.0	May 20	20.5	Sept. 30	19.9
Mar. 9	20.0	July 22	18.8	Nov. 3	19.3

5-3W-26cbb. U.S.G.S. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 14 feet. Measuring point, top of pipe, 4.5 feet above lsd.

Highest water level 6.3 below lsd, July 22, 1965; lowest 10.1 below lsd, Nov. 10, 1964. Records available: 1963-65.

Jan. 6	8.9	May 20	8.9	Sept. 30	7.5
Mar. 9	8.0	July 22	6.3	Nov. 3	6.9

5-4W-7cc. U.S.G.S. Bored, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 43 feet. Measuring point, top of pipe, 4.5 feet above lsd. Highest water level 18.25 below lsd, Nov. 30, 1962; lowest 23.3 below lsd, Nov. 10, 1964. Records available: 1962-65.

Jan. 6	27.5	May 20	31.6	Sept. 30	31.7
Mar. 10	31.7	July 22	30.5	Nov. 3	31.6

5-4W-11dd2. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 19.0 below lsd, Mar. 9, 1965; lowest 22.4 below lsd, Nov. 10, 1964. Records available: 1964-65. Jan. 6, 21.7; Mar. 9, 19.0; May 20, 20.7; July 22, 19.2. Well destroyed.

5-4W-26bc. U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 4.5 feet above lsd. Highest water level 12.8 below lsd, Mar. 9, 1965; lowest 17.3 below lsd, Jan. 6, 1965. Records available: 1962-65.

Jan. 6	17.3	May 20	15.4	Sept. 30	14.8
Mar. 9	12.8	July 22	14.5	Nov. 3	15.2

5-5W-2dc. U.S.G.S. Bored, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 17 feet. Measuring point, top of pipe, 4.0 feet above lsd. Highest water level 8.4 below lsd, July 15, 1963; lowest 16.2 below lsd, Nov. 3, 1965. Records available: 1963-65.

Jan. 6	15.4	May 20	10.3	Sept. 30	15.7
Mar. 10	14.2	July 22	15.0	Nov. 3	16.2

8-4W-19cb. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 16.62 below lsd, June 30, 1962; lowest 22.10 below lsd, Dec. 14, 1964, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	22.1	June 21	21.45	Dec. 7	21.4
Mar. 15	21.9	Sept. 16	21.1	21	21.26
	26	21.87	30	21.23	

8-4W-30cbc. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 16.40 below lsd, June 26, 1961; lowest 26.2 below lsd, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	26.2	June 21	24.45	Dec. 7	24.9
Mar. 15	25.5	Sept. 16	25.2	21	25.00
	26	25.39	30	25.15	

CLOUD COUNTY—concluded.

8-4W-31ddd. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 12.94 below lsd, June 26, 1961; lowest 24.8 below lsd, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	24.8	June 21	21.94	Dec. 7	23.8
Mar. 15	23.7	Sept. 16	23.4	21	23.87
	26 23.58		30 23.47		

8-5W-10bcb. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 14.32 below lsd, Sept. 18, 1961; lowest 25.47 below lsd, Mar. 26, 1965. Records available: 1960-65. Mar. 26, 25.47; June 21, 25.13; Sept. 30, 24.62; Dec. 21, 25.03.

8-5W-13add. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 21.70 below lsd, May 14, 1960; lowest 28.62 below lsd, Dec. 14, 1964. Records available: 1960-65. Mar. 26, 28.59; June 21, 28.18; Sept. 30, 27.66; Dec. 21, 27.83.

8-5W-22bda. U.S.B.R. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.72 below lsd, Sept. 18, 1961; lowest 22.7 below lsd, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	22.7	June 21	22.02	Dec. 7	22.0
Mar. 15	22.6	Sept. 16	22.2	21	21.9
	26 22.47		30 21.65		

8-5W-25aa. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 16.85 below lsd, Sept. 18, 1961; lowest 24.42 below lsd, Dec. 14, 1964. Records available: 1960-65.

Jan. 5	24.4	June 21	23.05	Dec. 7	23.5
Mar. 15	24.0	Sept. 16	23.6	21	23.50
	26 23.86		30 23.46		

8-5W-27ab. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 16.74 below lsd, Jan. 30, 1962; lowest 24.2 below lsd, Dec. 7, 1965. Records available: 1960-65.

Jan. 5	23.5	June 21	23.75	Dec. 7	24.2
Mar. 15	23.8	Sept. 16	22.8	21	24.14
	26 22.73		30 22.80		

COMANCHE COUNTY

31-18W-19ac. (3) E. Deewall. 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, 1955-65. Mar. 24, P; June 23, 75.89; Sept. 22, 76.22; Dec. 21, 76.04.

33-20W-8ba. (1) A. A. Carpenter. Drilled, unused water-table well in deposits of Permian age; diameter 6 inches, depth 39 feet. Measuring point, top of concrete pump base, 1.00 foot above lsd. Highest water level 35.29 below lsd, Dec. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-64. Measurement discontinued.

CRAWFORD COUNTY

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

31-22E-8dc. City of McCune. Drilled, artesian municipal well in Roubidoux Formation; diameter 8½ inches, depth 1,304 feet. Measuring point, top edge of nipple on end of curved breather pipe, 2.00 feet above lsd. Highest water level 208.87 below lsd, June 9, 1964; lowest 216.8 below lsd, Aug. 9, 1963. Records available: 1963-64. No measurement made in 1965.

DECATUR COUNTY

1-26W-18ddd. Wyatt Wiggins. Drilled stock well in alluvium; diameter 5 inches, depth 59 feet. Measuring point, hole in southeast part of casing cap, 0.50 foot above lsd. Highest water level 26.02 below lsd, July 13, 1960; lowest 31.69 below lsd, Dec. 17, 1964. Records available: 1959-65. Mar. 10, 30.56; June 9, 28.32; Sept. 10, P; Dec. 8, 27.68.

1-29W-19bdd. Byron McCartney. Drilled irrigation well in alluvium; diameter 18 inches, depth 52 feet. Measuring point, hole in north side of pump-head base, 0.70 foot above lsd. Highest water level 10.07 below lsd, July 13, 1960; lowest 27.70 below lsd, July 15, 1959. Records available: 1959-65. Mar. 10, 13.37; June 9, 11.65; Sept. 10, 12.33; Dec. 8, 12.07.

2-29W-24bcb. Owner unknown. Drilled, unused well in Ogallala Formation; diameter 5 inches, depth 126 feet. Measuring point, top east side of casing, 0.50 foot above lsd. Highest water level 96.56 below lsd, Dec. 8, 1965; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-65. Mar. 10, 97.41; June 9, 97.49; Dec. 8, 96.56.

3-29W-12bba. Warren White. Drilled irrigation well in alluvium; diameter 18 inches, depth 62 feet. Measuring point, top of casing under hole in southwest corner of pump-head base, 0.50 foot above lsd. Highest water level 20.92 below lsd, July 13, 1960; lowest 32.05 below lsd, Sept. 18, 1964. Records available: 1959-65. Mar. 10, 29.50; June 9, 30.63; Sept. 9, 29.24; Dec. 8, 25.07.

4-26W-8ddd. Reo Harris. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 76 feet. Measuring point, hole in southwest corner of pump-head base, 1.25 feet above lsd. Highest water level 28.18 below lsd, Apr. 13, 1960; lowest 31.16 below lsd, Oct. 13, 1959. Records available: 1959-65. Mar. 10, 29.69; June 9, 29.82; Sept. 10, 29.26; Dec. 8, 29.52.

4-29W-16cdd. E. R. Anderson. Drilled, abandoned, water-table irrigation well in Ogallala Formation; diameter 5 inches, depth 180 feet. Measuring point, north side top of casing, 1.00 foot above lsd. Highest water level

129.43 below lsd, Sept. 9, Dec. 8, 1965; lowest 135.63 below lsd, Apr. 13, 1960. Records available: 1960-65. Mar. 10, 129.45; June 9, 129.48; Sept. 9, 129.43; Dec. 8, 129.43.

DOUGLAS COUNTY

12-20E-17ccb. Frank D. Walters. Drilled, unused, water-table well in terrace deposits of Pleistocene age; diameter 10 inches, depth 53 feet. Measuring point, east side of hole in top of box, 1.50 feet above lsd since Mar. 22, 1965. Highest water level 14.39 below lsd, Feb. 5, 1962; lowest 26.33 below lsd, Mar. 30, 1957. Records available: 1952-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	22.19	22.23	22.30	22.35	22.29	22.41
Feb.	22.41	22.33	22.40	22.38	.....	.....
Mar.	22.25	22.18	22.12	.....	22.02	22.00
Apr.	21.95	21.94	21.94	21.98	22.01	22.05
May	21.93	22.06	22.09	22.22	22.23	22.30
June	20.00	19.53	18.84	18.96	19.12	18.65
July	18.47	18.10	18.33	18.35	18.37	18.47
Aug.	18.70	19.16	19.42	19.65	19.80	19.91
Sept.	18.70	18.75	18.95	17.53	17.46	17.84
Oct.	18.03	18.19	18.32	18.54	18.71	18.87
Nov.	19.04	19.13	19.19	19.35	19.40	.....
Dec.	19.67	19.70	19.80	19.85	19.94	19.87

12-20E-29bba. V. C. Fishel. Bored, observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 29 feet. Measuring point, inside edge at top of pipe, 1.00 foot above lsd. Highest water level 14.40 below lsd, May 23, 1961; lowest 20.84 below lsd, May 27, 1957. Records available: 1957-59, 1961, 1963-65. Mar. 22, 17.22.

13-19E-2dac. Univ. of Kansas. Drilled, observation well in Upper Pennsylvanian Tonganoxie Sandstone Member of Stranger Formation; diameter 5 1/2 inches, depth 250 feet. Measuring point, top of casing, 1.50 feet above lsd. Highest water level 82.5 below lsd, Feb. 5, 1964; lowest 87.9 below lsd, Feb. 8, 1965. Records available: 1964-65. 1964; Feb. 5, 82.5. 1965; Jan. 7, 87.4; Feb. 8, 87.9; June 23, 86.20.

13-19E-21bb. C. E. Banning. Drilled, artesian domestic and stock well in Tonganoxie Sandstone Member of Stranger Formation; diameter 6 inches, depth 96 feet. Measuring point, top of casing cover plate, 3.10 feet below lsd. Highest water level 23.48 below lsd, May 20, 1952; lowest 41.99 below lsd, Jan. 5, 1957. Records available: 1952-60, 1962-64. No measurement made in 1965.

15-20E-11cda. U.S.G.S. and K.G.S. Drilled, water-table observation well in Upper Pennsylvanian Ireland Sandstone Member of Lawrence Formation; diameter 1 1/4 inches, depth 182 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 42.31 below lsd, Mar. 29, 1962; lowest 50.54 below lsd, Jan. 30, 1958. Records available: 1956-65.

Mar. 16	48.52	July 23	47.98	Nov. 9	46.37
June 17	48.40	Sept. 27	47.08		

15-21E-4bbc. U.S.G.S. and K.G.S. Drilled, water-table observation well in Ireland Sandstone Member of Lawrence Formation; diameter 5 1/2 inches, depth 144 feet. Measuring point, top of well seal, 2.00 feet above

lsd. Highest water level 13.68 below lsd, Mar. 29, 1962; lowest 29.46 below lsd, Oct. 1, 1964. Records available: 1956-65.

Mar. 16	27.61	July 23	24.98	Nov. 9	25.17
June 17	26.25	Sept. 27	24.64		

EDWARDS COUNTY

23-19W-22ccc. (10) E. F. Lippoldt. Dug, unused, water-table well in Dakota Formation; diameter 4 1/2 feet, depth 68 feet, cribbed with rock. Measuring point, top of hole in concrete cover, 0.60 foot above lsd. Highest water level 61.46 below lsd, Dec. 21, 1965; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-65. Mar. 25, 64.54; June 21, 62.11; Sept. 23, 61.69; Dec. 21, 61.46.

24-19W-34add. (1A) U.S.G.S. Bored, water-table well in alluvium; diameter 1 1/4 inches, depth 30 feet. Measuring point, top of pipe, 2.43 feet above lsd. Highest water level 5.99 below lsd, Dec. 21, 1965; lowest 8.74 below lsd, July 30, 1963. Records available: 1961-65. Mar. 25, 8.34; Sept. 23, 7.31; Dec. 21, 5.99.

25-16W-31da1. E. B. Mayhew. Drilled, unused well in Ogallala Formation; diameter 1 1/2 inches, depth 42 feet. Measuring point, top south side of pipe, 0.80 foot above lsd. Highest water level 15.50 below lsd, Aug. 20, 1958; lowest 21.61 below lsd, Mar. 20, Apr. 9, 1957. Records available: 1957-65. Mar. 25, 19.29; June 23, 19.09; Sept. 23, 18.65; Dec. 22, 19.40.

ELLIS COUNTY

11-16W-7ba. (215) A. H. Romine. Dug, water-table stock well in deposits of Pleistocene age; diameter 24 inches, depth 22 feet, cribbed with rock. Measuring point, top edge of platform, west side of pump base, 3.50 feet above lsd. Highest water level 9.07 below lsd, June 29, 1962; lowest 20.80 below lsd, Apr. 17, 1956. Records available: 1941-65. Mar. 26, 17.13; June 22, 15.10; Dec. 21, 15.85.

12-17W-16aa. (218) W. W. Bemis. Dug, unused, water-table well in Upper Cretaceous Codell Sandstone Member of Carlile Shale; diameter 24 inches, depth 81 feet, cribbed with rock. Measuring point, top north side of hole in 2x8 cover, 0.50 foot above lsd. Highest water level 11.76 below lsd, July 23, 1951; lowest 58.71 below lsd, Mar. 30, 1957. Records available: 1941-65. Mar. 26, 51.18; June 22, 29.0; Dec. 21, 18.85.

14-16W-17cb. J. M. Schippers. Dug, water-table stock well in alluvium; diameter 5 feet, depth 24 feet, cribbed with stone. Measuring point, top of board platform, 0.90 foot above lsd. Highest water level 15.22 below lsd, July 27, 1951; lowest 21.58 below lsd, Oct. 15, 1956. Records available: 1946-65. Mar. 26, 18.93; June 22, 18.23; Sept. 30, 18.54.

14-16W-36bc. Tony Wagner. Dug, water-table stock well in alluvium; diameter 4 feet, depth 20 feet, cribbed with stone. Measuring point, top south edge of board platform, 1.50 feet above lsd. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 21.74 below lsd, May 10, 1947. Records available: 1946-52, 1955-65. Mar. 26, 19.91; June 22, 19.85; Sept. 30, 19.20.

14-20W-32dd. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter 3/4 inch, depth 25 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 18.87 below lsd, Sept. 15, Dec. 15, 1964; lowest 23.41 below lsd, Oct. 15, 1956. Records available: 1950-65. Mar. 26, 19.53; June 22, 19.07; Sept. 30, 19.10.

ELLIS COUNTY—concluded.

15-18W-16bb. T. W. Wolf. Dug, water-table domestic and stock well in alluvium, diameter 40 inches, depth 13 feet, cribbed with stone. Measuring point, top east edge of curb, 2.45 feet above lsd. Highest water level 1.17 below lsd, May 15, 1951; lowest 10.28 below lsd, Oct. 15, 1956. Records available: 1946-65. Mar. 26, 8.04; June 22, 7.12; Sept. 30, 7.35; Dec. 21, 7.05.

15-18W-27cb. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 6.44 below lsd, July 11, 1957; lowest 12.90 below lsd, Oct. 15, 1956. Records available: 1949-65. Mar. 26, 11.38; June 22, 11.33; Sept. 30, 11.50.

15-19W-6aa. Aug. Leiker. Drilled, water-table observation well in gravel and terrace deposits of Pleistocene age; diameter 6 inches, depth 59 feet. Measuring point, top of concrete platform, 4.00 feet below lsd. Highest water level 46.28 below lsd, Sept. 30, 1965; lowest 57.26 below lsd, Aug. 6, 1958. Records available: 1946-52, 1954-65. Mar. 26, 49.27; June 22, 48.10; Sept. 30, 46.28.

15-19W-9cc. U.S.G.S. Drilled, water-table observation well in gravel and terrace deposits of Pleistocene age; diameter 1¼ inches, depth 54 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 32.78 below lsd, Sept. 30, 1965; lowest dry, June 4, 1951. Records available: 1949-65.

Feb. 25	33.60	June 22	33.50	Sept. 30	32.78
Mar. 26	32.79	Aug. 4	33.30	Oct. 12	32.90
Apr. 19	33.70				

15-19W-15dd. U.S.G.S. Drilled, water-table observation well in gravel and terrace deposits of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 23.37 below lsd, Oct. 2, 1962; lowest 26.28 below lsd, July 11, 1957. Records available: 1949-65.

Mar. 26	24.64	June 22	24.55	Sept. 30	24.28
Apr. 19	24.70	Aug. 4	24.60	Oct. 12	24.50

15-20W-1bb. U.S.G.S. Jetted, water-table observation well in sand and terrace deposits of Pleistocene age; diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 4.20 feet above lsd. Highest water level 16.20 below lsd, Sept. 30, 1965; lowest dry, Mar. 15, June 4, July 26, 1951. Records available: 1950-53, 1955-65.

Feb. 25	19.20	June 22	18.58	Sept. 30	16.20
Mar. 26	19.19	Aug. 3	17.30	Oct. 12	16.90
Apr. 19	19.40				

ELLSWORTH COUNTY

16-6W-35bdd. U.S.G.S. Jetted, water-table observation 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 15.18 below lsd, Oct. 1, 1951; lowest 24.31 below lsd, Aug. 20, 1951. Records available: 1950-65.

Mar. 25	22.60	June 23	22.58	Aug. 10	21.75
May 24	22.82	July 15	22.25	Dec. 22	22.10

FINNEY COUNTY

21-29W-36ccb. (6) T. A. Meakel. Drilled, unused, water-table well in alluvium; diameter 8 inches, depth 21 feet. Measuring point, top east side of casing, 2.00 feet above lsd. Highest water level 11.72 below lsd, Feb. 27, 1952; lowest 20.82 below lsd, June 22, 1946. Records available: 1939-65. Jan. 20, 17.57.

21-30W-5bb. F. T. Carl. Drilled, water-table domestic and stock well in Ogallala Formation; diameter 6 inches, depth 44 feet. Measuring point, top east side of casing, 0.10 foot above lsd. Highest water level 25.20 below lsd, Apr. 29, 1960; lowest 29.07 below lsd, July 18, 1957. Records available: 1951-65. Feb. 17, P.

21-32W-19bbd. (5) E. Alberta Reeves. Drilled, unused, water-table well in deposits of Pleistocene age; diameter 6 inches, depth 32 feet. Measuring point, hole in east side of pump base, 0.40 foot above lsd. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 30.60 below lsd, Jan. 20, 1965. Records available: 1939-65. Jan. 20, 30.60.

21-32W-20cb. Glen C. Archer. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 203 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 44.22 below lsd, Mar. 15, 1965; lowest 51.80 below lsd, Sept. 8, 1965. Records available: 1964-65. Mar. 15, 44.22; July 21, P; Sept. 8, 51.80; Dec. 20, 45.86.

21-34W-14db. Pat McHugh. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 141 feet. Measuring point, hole in north side pump base, 0.90 foot above lsd. Highest water level 63.58 below lsd, Sept. 29, 1964; lowest 78.43 below lsd, Sept. 8, 1965. Records available: 1961-65. Mar. 15, 70.90; July 19, P; Sept. 8, 78.43.

22-33W-36aa. George H. Hahn. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 190 feet. Measuring point, 1-inch hole in steel cap top casing, 3.50 feet above lsd. Highest water level 18.46 below lsd, Mar. 18, 1964; lowest 85.75 below lsd, Aug. 10, 1965. Records available: 1963-65.

Feb. 17	23.03	July 21	33.50	Oct. 12	30.98
Mar. 15	24.77	Aug. 10	85.75*	Nov. 15	24.93
Apr. 14	51.44	Sept. 8	54.62	Dec. 20	22.99
May 11	45.56				

* Well pumping 40 feet east.

22-34W-26ad. Owner unknown. Drilled, unused domestic and stock well in Ogallala Formation; diameter 5 inches, depth 163 feet. Measuring point, top edge of 3 x 3-inch wood clamp, 0.90 foot above lsd. Highest water level 49.43 below lsd, Mar. 31, 1959; lowest 82.31 below lsd, Sept. 28, 1964. Records available: 1957-65. Mar. 15, 71.15; July 19, 74.88; Sept. 8, 79.02; Dec. 22, 71.61.

23-27W-12cc. C. R. Rixon. Drilled, unused well in Ogallala Formation; diameter 6 inches, depth 72 feet. Measuring point, 1-inch board on top of concrete block, 0.60 foot above lsd. Highest water level 61.98 below lsd, Nov. 10, 1961; lowest 68.49 below lsd, Oct. 2, 1941. Records available: 1939-42, 1952-65. Jan. 20, 62.28; Apr. 14, 62.31; July 21, 62.42; Oct. 12, 62.82.

23-33W-28dc. Wendeline Richmeier. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 310 feet. Measuring point, top of hole in base of pump, at land surface. Highest water level 42.70 below lsd, Oct. 25, 1940; lowest 99.60 below lsd, Sept. 28, 1964. Records available: 1940, 1959-65. Mar. 15, 71.17; July 19, P; Sept. 8, P.

24-31W-27c. (1002) U.S. Army. Drilled, water-table industrial well in Ogallala Formation; diameter 16 inches, depth 295 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 110.26 below lsd, Nov. 9, 1953; lowest 132.30 below lsd, May 18, 1964. Records available: 1942-65. Jan. 20, 118.78; Apr. 27, 131.13*; Oct. 26, 117.68.

* Well running $\frac{1}{4}$ mi. east.

24-32W-3dac. (26) Garden City Experiment Station. Drilled, unused, water-table well in deposits of Pleistocene age; diameter 26 inches, depth 185 feet. Measuring point, top of casing, at land surface. Highest water level 63.85 below lsd, Oct. 29, 1951; lowest 86.26 below lsd, Aug. 3, 1965. Records available: 1934, 1939-65. Jan. 25, 83.39; Apr. 27, 86.14; Aug. 3, 86.26; Oct. 26, 80.86.

24-33W-9aa. (1) Mrs. A. M. Reid. Drilled, water-table observation well in alluvium; diameter 15 inches, depth 21 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 1.05 below lsd, June 29, 1951; lowest dry, May 25, July 20, 25, Aug. 1 through Dec. 30, 1964, Jan. 5 through Oct. 30, 1965. Records available: 1936-65. Jan. 5 through Oct. 30, dry; Nov. 20, 19.05; Nov. 25, 18.92; Nov. 30, 18.83; Dec. 5, 18.70; Dec. 10, 18.58; Dec. 15, 18.48; Dec. 20, 18.41.

25-31W-13cda. (13) Edwin Wehrley. Dug, unused, water-table well in alluvium; diameter 24 inches, depth 9 feet. Measuring point, top east side of casing, 1.00 foot above lsd. Highest water level 0.76 above lsd, May 5, 1942; lowest 5.44 below lsd, Oct. 20, 1964. Records available: 1939-65. Jan. 20, 4.74; Apr. 27, 4.75; July 21, 1.81*; Oct. 26, 1.38.

* Well covered with flood water in June.

25-32W-31dd. Harry Lightner. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 140 feet. Measuring point, lower east edge of sloping pipe, 1.12 feet above lsd. Highest water level 63.35 below lsd, Jan. 19, 1959; lowest 67.83 below lsd, Sept. 27, 1960. Records available: 1958-65. Feb. 24, 66.47.

26-31W-1dd. Mearl Hutton. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 169 feet. Measuring point, west outside edge of sloping pipe, 1.00 foot above lsd. Highest water level 71.57 below lsd, Jan. 30, 1962; lowest 73.64 below lsd, Feb. 24, 1965. Records available: 1959-65. Feb. 24, 73.64.

26-33W-17ac. William F. Stone. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 200 feet. Measuring point, hole in east side of pump base, 1.50 feet above lsd. Highest water level 60.78 below lsd, Jan. 8, 1960; lowest 66.76 below lsd, Feb. 24, 1965. Records available: 1960-65. Feb. 24, 66.76.

FORD COUNTY

25-22W-20aaa. Mary Arends. Drilled cemetery well in Ogallala Formation; diameter $5\frac{1}{2}$ inches, depth 72 feet. Measuring point, hole in pump base under pump handle, 0.20 foot above lsd. Highest water level 62.67 below lsd, Dec. 21, 1965; lowest 67.75 below lsd, Oct. 18, 1953. Records available: 1939, 1951-65. Mar. 25, 64.25; June 28, 64.39; Sept. 23, 64.09; Dec. 21, 62.67.

26-21W-23ada. (96a) Henry Hattrup. Driven, unused well in alluvium; diameter $1\frac{1}{4}$ inches, depth 12 feet. Measuring point, 0.60 foot above lsd. Highest water level 6.49 below lsd, Apr. 19, 1960; lowest 10.07 below lsd, Jan. 21, 1957. Records available: 1956-65. Mar. 25, 8.48; June 28, 8.36; Sept. 23, 7.58; Dec. 21, 7.30.

26-25W-34bbb. (8) F. H. Diehl. Drilled, water-table irrigation well in alluvium; diameter 20 inches, depth 20 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.92 below lsd, Aug. 21, 1963. Records available: 1938-65. Mar. 25, 7.32; June 28, no measurement, well surrounded by water; Sept. 23, 5.67; Dec. 21, 6.02.

26-26W-12ddb. (1002) William C. Knoy. Drilled, water-table stock and irrigation well in Ogallala Formation; diameter 16 inches, depth 261 feet. Measuring point, top north side of casing, 1.09 feet above lsd. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-65. Mar. 24, 105.20; June 28, 104.82; Sept. 23, 104.90; Dec. 21, 105.24.

27-24W-3da. Owner unknown. Drilled, water-table stock well in alluvium; diameter 5 inches, depth 90 feet. Measuring point, top of pump base, 1.95 feet above lsd. Highest water level 6.26 below lsd, June 28, 1965; lowest 13.31 below lsd, Sept. 17, 1964. Records available: 1963-65. Mar. 24, 12.79; June 28, 6.26; Sept. 22, 10.12; Dec. 21, 10.94.

29-21W-5bb. E. R. and Maynard L. Estes. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 131 feet. Measuring point, flap in north side of pump base, 0.50 foot above lsd. Highest water level 79.50 below lsd, May 1956; lowest 99.20 below lsd, Dec. 16, 1964. Records available: 1956, 1959-65. Mar. 24, 99.09; June 23, 97.71; Sept. 22, 98.87; Dec. 21, 96.62.

GOVE COUNTY

11-27W-16aaa. M. E. Neher. Drilled, unused well in Ogallala Formation; diameter 5 inches, depth 108 feet. Measuring point, base of pump, at land surface. Highest water level 93.05 below lsd, Sept. 8, 1965; lowest 95.40 below lsd, Aug. 27, 1956. Records available: 1952-1965. Mar. 9, 93.14; June 8, 93.16; Sept. 8, 93.05; Dec. 6, 93.15.

11-31W-10aa. Thos. P. Johnstone. Drilled, unused well in Ogallala Formation; diameter 5 inches, depth 99 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 92.08 below lsd, June 8, 1965. Records available: 1952-65. Mar. 9, 91.93; June 8, 92.08. Measurement discontinued.

13-30W-33bb. Richard Benson. Dug, domestic and stock well in Upper Cretaceous Niobrara Chalk; diameter 60 inches, depth 58 feet. Measuring point, bottom of south side of pump base, 0.50 foot above lsd. Highest water level 20.38 below lsd, Apr. 13, 1959; lowest 29.75 below lsd, Dec. 15, 1964. Records available: 1959-65. Dec. 6, 28.85.

GRAHAM COUNTY

6-23W-12ccb. H. Hauser. Drilled stock well in Ogallala Formation; diameter 5 inches, depth 69 feet. Measuring point, top of casing, 1.30 feet above lsd. Highest water level 60.60 below lsd, Oct. 17, 1961; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-65. Dec. 8, 60.91.

6-25W-28cbc. Henry Klein. Drilled, water-table irrigation well in Ogallala Formation, diameter 12 inches, depth 180 feet. Measuring point, lower lip of pipe in pump base, 0.75 foot above lsd. Highest water level 96.38 below lsd, Sept. 4, 1962; lowest 112.75 below lsd, Sept. 14, 1964. Records available: 1962-65. Mar. 11, 97.95; June 10, 100.52; Dec. 8, 102.75.

GRAHAM COUNTY—concluded.

7-23W-35ddd. Chas. Stuchlik. Drilled, unused well in Dakota and Ogallala formations; diameter 8 inches, depth 700-800 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 31.72 below lsd, Oct. 10, 1962; lowest 46.12 below lsd, Nov. 26, 1956. Records available: 1952-65. Mar. 11, 37.44; June 9, 37.98; Sept. 10, 37.68; Dec. 8, 37.65.

7-23W-36ccd. 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 23.13 below lsd, July 16, 1962; lowest 48.18 below lsd, May 16, 1956. Records available: 1952-65. Mar. 11, 31.89; June 9, 32.74; Sept. 10, 32.16; Dec. 8, 31.34.

10-23W-14bcc. J. Diebolt. Drilled, unused well in Ogallala Formation; diameter 4 inches, depth 44 feet. Measuring point, hole in west side of pump base, 0.15 foot above lsd. Highest water level 25.21 below lsd, Apr. 13, 1962; lowest 32.90 below lsd, Aug. 27, 1956. Records available: 1952-63. Measurement discontinued.

GRANT COUNTY

27-35W-16cb. Craig Howard. Drilled, water-table stock well in deposits of Pleistocene age; diameter 6 inches, depth 183 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 173.94 below lsd, Nov. 18, 1953; lowest dry, Nov. 22, 1963. Records available: 1941-42, 1951-63. Measurement discontinued.

27-35W-17ad. Herman E. Meyer. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 410 feet. Measuring point, top hole in southeast side steel pump base, 2.00 feet above lsd. Highest water level 173 below lsd, May 31, 1954; lowest 196.53 below lsd, Jan. 27, 1965. Records available: 1954, 1958-60, 1963-65.

Jan. 27	196.53	June 2	186.24	Aug. 3	P
Feb. 16	183.65	23	186.02	Nov. 16	185.80

27-37W-4da. (5) C. L. Jury. Drilled, unused water-table well in deposits of Pleistocene age; diameter 6 inches, depth 139 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 93.96 below lsd, June 9, 1965. Records available: 1941-65. Mar. 8, 86.76; June 9, 93.96; Sept. 7, 91.72; Dec. 27, 85.87.

27-38W-15bb. Mrs. Charles Andes. Drilled, irrigation well in deposits of Pleistocene age, Dakota Formation, and Lower Cretaceous Cheyenne Sandstone; diameter 16 inches, depth 479 feet. Measuring point, outside edge of bolt hole at base of pump, 0.50 foot above lsd. Highest water level 97.15 below lsd, Jan. 15, 1958; lowest 149.70 below lsd, May 18, 1964. Records available: 1958-65. Feb. 16, 139.85; May 10, P; Aug. 3, P; Nov. 16, 141.25.

27-38W-23cb1. L. F. Hohmer. Drilled, unused, water-table well in deposits of Pleistocene age; diameter 16 inches, depth 235 feet. Measuring point, top east side of casing, 0.80 foot above lsd. Highest water level 41.25 below lsd, Mar. 9, 1943; lowest 147.58 below lsd, Sept. 1, 1964. Records available: 1943, 1955, 1958-65. Mar. 8, 104.36; Sept. 7, 127.97; Dec. 27, 98.27.

27-38W-32bc. G. M. Coffey. Drilled, unused, water-table well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 258 feet. Measuring point,

top of south side of casing, 2.00 feet above lsd. Highest water level 49.66 below lsd, Nov. 29, 1940; lowest 138.25 below lsd, Aug. 15, 1965. Records available: 1940, 1958-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	106.50	106.62	106.20	105.80	105.40	104.84
Feb.	104.39	104.12	103.86	103.62	103.62	.....
Mar.	103.43	104.27	105.25	105.00	105.38	105.88
Apr.	110.00	117.80	124.08	128.70	129.79	131.64
May	132.38	131.50	126.35	124.10	120.03	119.99
June	114.47	.....	.....	.....	.....	.....
July	108.04	108.26	119.24	124.20	132.64	133.40
Aug.	135.39	135.76	138.25	129.15	119.02	117.22
Sept.	120.00	121.79	118.00	113.58	111.94	111.35
Oct.	110.84	110.39	110.85	109.98	109.50	109.10
Nov.	108.65	108.28	107.93	107.70	107.41	107.19
Dec.	106.94	106.97	106.97	106.89	106.66	105.97

28-35W-31cd1. Magnolia Petroleum Co. Drilled, water-table industrial well in deposits of Pliocene and Pleistocene age; diameter 12-18 inches, depth 314 feet. Measuring point, hole in south side of pump base, 1.60 feet above lsd. Highest water level 213.40 below lsd, May 20, 1948; lowest 246.94 below lsd, Nov. 16, 1962. Records available: 1948, 1953, 1956, 1958-65. Feb. 16, P; June 2, P; Aug. 3, P; Nov. 16, 238.74.

28-38W-4cc. Herman Cockerham. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 15½ inches, depth 285 feet. Measuring point, top of angle iron on southeast side of pump, 2.40 feet above lsd. Highest water level 42.08 below lsd, July 24, 1942; lowest 112.40 below lsd, Nov. 13, 1962. Records available: 1942, 1958-60, 1962-65. Jan. 27, 69.28.

28-38W-6ad. (400) State of Kansas. Drilled, water-table observation well in deposits of Pleistocene age; diameter 12 inches, depth 78 feet. Measuring point, top south side of casing, 0.20 foot above lsd. Highest water level 52.70 below lsd, Feb. 28, 1945; lowest dry May 5 through June 15, July 20 through Oct. 30, 1965. Records available: 1944-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	76.09	76.14	76.05	75.95	.....	.....
Feb.	.....	.....	.....	74.60	74.60	.....
Mar.	.....	74.43	74.72	74.99	75.07	75.28
Apr.	75.55	75.82	76.32	76.67	77.02	77.36
May	dry	dry	dry	dry	dry	dry
June	dry	dry	dry	77.49	77.23	77.02
July	76.85	76.72	77.07	dry	dry	dry
Aug.	dry	dry	dry	dry	dry	dry
Sept.	dry	dry	dry	dry	dry	dry
Oct.	dry	dry	dry	dry	dry	dry
Nov.	77.70	77.58	77.47	77.41	77.33	77.37
Dec.	77.28	77.22	77.35	77.44	77.55	77.38

28-38W-7bb. Mrs. Dellia Pinegar. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 284 feet. Measuring point, lower edge of cutout in north side of pump base, 0.70 foot above lsd. Highest water level 82.36 below lsd, Mar. 21, 1960; lowest 178.53 below lsd, Sept. 21, 1964. Records available: 1958-65. Jan. 27, 93.3; Mar. 8, 112.18; Sept. 7, 135.77; Dec. 27, 113.46.

28-38W-12bc. David Sullivan. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene

age; diameter 16 inches, depth 360 feet. Measuring point, lower edge of north side of pump base, 2.00 feet above lsd. Highest water level 48.59 below lsd, Mar. 30, 1960; lowest 121.12 below lsd, Sept. 6, 1963. Records available: 1948, 1959-60, 1962-65. June 22, 93.49; Nov. 16, 67.89.

28-38W-20dc1. Lyle Morris. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 352 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 82.61 below lsd, Mar. 30, 1960; lowest 162.90 below lsd, Nov. 19, 1963. Records available: 1958-60, 1962-65. Jan. 27, 119.30; June 22, 126.76; Nov. 16, 96.13.

28-38W-27ca. W. A. Leigh. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 418 feet. Measuring point, lower edge of cutout on north side of pump, 0.70 foot above lsd. Highest water level 81.74 below lsd, Mar. 30, 1960; lowest 228.20 below lsd, Sept. 21, 1964. Records available: 1958-60, 1962-65. Jan. 27, 115.25; June 22, 132.39; Nov. 16, 106.35.

28-38W-31db. J. T. Klepper. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 428 feet. Measuring point, hole in base of pump, 0.30 foot above lsd. Highest water level 76.28 below lsd, Mar. 30, 1960; lowest 110.10 below lsd, Mar. 26, 1964. Records available: 1959-60, 1962-65. Jan. 27, 101.44; July 7, P; Nov. 16, 100.58.

28-38W-32dcc. Stanolind Oil and Gas Co. Drilled, water-table observation well in deposits of Pliocene and Pleistocene age and Cheyenne Sandstone; diameter 2 inches, depth 520 feet. Measuring point, top of 2-inch opening in T-joint on north side, 1.70 feet above lsd. Highest water level 82.67 below lsd, Feb. 7, 1962; lowest 177.17 below lsd, Aug. 7, 1963. Records available: 1961-65. June 2, 150.29; Aug. 3, 168.55; Nov. 16, 108.94.

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

29-37W-8cb. Dan C. Sullivan. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 16 inches, depth 300 feet. Measuring point, hole in southeast side of pump, 0.65 foot above lsd. Highest water level 65.50 below lsd, Apr. 1, 1960; lowest 150.55 below lsd, Sept. 21, 1964. Records available: 1959-60, 1962-65. Jan. 27, 103.63; June 22, 123.16; Nov. 16, 97.26.

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

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

29-37W-32cc1. Jesse J. Ford. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 351 feet. Measuring point,

hole in north side pump base, 2.25 feet above lsd. Highest water level 96.00 below lsd, June 12, 1951; lowest 160.55 below lsd, Nov. 19, 1963. Records available: 1951, 1959-60, 1962-64. Measurement discontinued.

29-38W-5acb. Stanolind Oil and Gas Co. Drilled, water-table observation well in deposits of Pliocene and Pleistocene age; diameter 2 inches, depth 420 feet. Measuring point, bottom of 2-inch hole on north side, 1.85 feet above lsd. Highest water level 87.08 below lsd, Feb. 7, 1962; lowest 189.99 below lsd, May 18, 1964. Records available: 1961-65. June 2, 171.46; Aug. 3, 182.94; Nov. 16, 110.32.

29-38W-8cc. James T. Klepper. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 487 feet. Measuring point, lower edge of cutout in north side of pump, 0.70 foot above lsd. Highest water level 87.84 below lsd, Apr. 1, 1960; lowest 161.20 below lsd, Nov. 19, 1963. Records available: 1958-60, 1962-65. Jan. 27, 117.15; June 22, 129.94; Nov. 16, 109.81.

30-37W-2ba2. Lawrence E. Steen. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 480 feet. Measuring point, hole in south side of pump base, 1.30 feet above lsd. Highest water level 153.74 below lsd, Mar. 31, 1960; lowest 265.2 below lsd, Sept. 21, 1964. Records available: 1957-60, 1962-65. Jan. 27, 212.50; June 22, 221.61; Nov. 16, 201.85.

30-37W-10dc. Tacy Marie Holliday and Henrietta Spencer. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 to 12 inches, depth 395 feet. Measuring point, hole in east side of pump, 0.10 foot above lsd. Highest water level 147.66 below lsd, Mar. 31, 1960; lowest 191.88 below lsd, Dec. 24, 1963. Records available: 1958-60, 1962-65. Jan. 30, 171.70; June 22, 189.16; Nov. 16, 178.40.

30-37W-20cb. J. H. Lewis. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 16 inches, depth 335 feet. Measuring point, hole in south side of pump base, 0.65 foot above lsd. Highest water level 114.40 below lsd, Aug. 8, 1941; lowest 165.26 below lsd, Oct. 7, 1964. Records available: 1941, 1952-65. Jan. 6, 163.45; Apr. 9, P; July 7, 159.20; Oct. 25, 159.65.

30-38W-13cc1. Lawrence Hennigh. Drilled, water-table irrigation well in deposits of Triassic, Pliocene, and Pleistocene ages; diameter 16 inches, depth 560 feet. Measuring point, hole in northeast corner of pump, 0.30 foot above lsd. Highest water level 118.58 below lsd, Jan. 22, 1963; lowest 225.00 below lsd, Mar. 7, 1957. Records available: 1957, 1959-60, 1962-65. Jan. 27, 145.90; June 22, 157.05; Nov. 16, 143.50.

GRAY COUNTY

24-28W-36ac. Art Schartz. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 135 feet. Measuring point, pump base, 0.9 foot above lsd. Highest water level 82.24 below lsd, Jan. 20, 1965; lowest 85.06 below lsd, July 13, 1960. Records available: 1956, 1959-65. Jan. 20, 82.24; July 21, 83.30; Oct. 12, 83.25.

26-29W-7cb. C. M. Davis. Drilled, unused, water-table stock well in deposits of Pleistocene age; diameter 6 inches, depth 101 feet. Measuring point, top of clamp south edge of north pipe, 1.00 foot above lsd. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.89 below lsd, May 22, 1940. Records available: 1939-41, 1953-65. Feb. 24, 80.30.

27-27W-9bb. Donald Culver. Drilled, artesian irrigation well in Ogallala Formation; diameter 20 inches,

GRAY COUNTY—concluded.

depth 102 feet. Measuring point, upper edge of hole in east side of pump, 0.5 foot above lsd. Highest water level 73.90 below lsd, Feb. 24, 1965; lowest 75.06 below lsd, Jan. 15, 1962. Records available: 1960-65. Feb. 24, 73.90.

27-29W-1aa. Pete Breitenbach. Drilled, unused artesian domestic well in Ogallala Formation; diameter 2 inches, depth 83 feet. Measuring point, top of pipe, south side, 5.0 feet above lsd. Highest water level 71.80 below lsd, Mar. 4, 1964; lowest 72.60 below lsd, Dec. 12, 1962. Records available: 1960-65. Feb. 24, 72.55.

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

28-27W-7bca. (3a) N. A. Mans. Drilled, unused, water-table well in Ogallala Formation and deposits of Pleistocene age; diameter 5 inches, depth 206 feet. Measuring point, hole in east side of pump base, 0.35 foot above lsd. Highest water level 157.62 below lsd, June 8, 1964; lowest 160.71 below lsd, June 7, 1956. Records available: 1954-65. Mar. 3, 157.70; June 14, 157.67; Sept. 22, 158.56; Dec. 21, 160.56.

28-30W-17bb. Earl A. Nelson. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 300 feet. Measuring point, upper edge of hole in south side of pump, 0.8 foot above lsd. Highest water level 107.05 below lsd, Jan. 6, 1959; lowest 114.15 below lsd, Sept. 22, 1965. Records available: 1959-65. Mar. 3, 110.23; June 14, 110.96; Sept. 22, 114.15.

28-30W-24ba. Allen Isaac. Drilled, water-table irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 16 inches, depth 242 feet. Measuring point, top edge of hole in south side of pump head, 0.80 foot above lsd. Highest water level 115.37 below lsd, Apr. 2, 1962; lowest 129.16 below lsd, June 8, 1964. Records available: 1961-65. Mar. 3, 120.18; June 14, 122.09; Sept. 22, 123.33.

29-28W-28cd. Delbert McCune. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 149 feet. Measuring point, hole in southwest side of pump base, 1.00 foot above lsd. Highest water level 87.60 below lsd, Apr. 18, 1960; lowest 93.85 below lsd, Sept. 14, 1964. Records available: 1959-65. Mar. 3, 91.66; June 14, 92.41; Sept. 22, 93.59; Dec. 21, P.

29-29W-10bb. Walter Schmidt. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 151 feet. Measuring point, hole in west side of pump base, 1.5 feet above lsd. Highest water level 85.38 below lsd, Jan. 6, 1960; lowest 97.28 below lsd, Dec. 14, 1964. Records available: 1959-65. Mar. 3, 89.16; June 14, 91.55; Sept. 22, 92.98; Dec. 21, 90.35.

GREELEY COUNTY

16-39W-3da. J. F. Weaver. Drilled irrigation well; diameter 6 inches, depth 100+ feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 72.91 below lsd, May 20, 1951; lowest 86.05 below lsd, Sept. 27, 1965. Records available: 1951, 1965. 1951: May 20, 72.91. 1965: Jan. 28, 83.2; June 15, 84.61; Sept. 27, 86.05; Dec. 28, 85.86.

16-39W-22dc. Andrew Berning. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 163 feet. Measuring point, hole in northeast side pump

base, 1.00 foot above lsd. Highest water level 87.22 below lsd, Jan. 28, 1965; lowest 91.98 below lsd, Sept. 28, 1965. Records available: 1964-65. 1964: Nov. 23, 87.89. 1965: Jan. 28, 87.22; June 16, 90.60; Sept. 28, 91.98; Dec. 28, 88.89.

16-39W-33cc. Robert Hoard. Domestic and stock well in Ogallala Formation; diameter 6 inches, depth 106 feet. Measuring point, top board covering casing, 0.80 foot above lsd. Highest water level 71.67 below lsd, Mar. 10, 1965; lowest 75.78 below lsd, Sept. 8, 1964. Records available: 1959-65.

Jan. 28	73.20	June 16	73.79	Dec. 28	73.75
Mar. 10	71.67	Sept. 28	75.66		

16-40W-18aac. Cecil Sebastian. Drilled irrigation well in Ogallala Formation; diameter 20 inches, depth 214 feet. Measuring point, hole in pump base, 0.50 foot above lsd. Highest water level 120.33 below lsd, Nov. 20, 1950; lowest 129.30 below lsd, Sept. 28, 1965. Records available: 1950, 1965. 1950: Nov. 20, 120.33. 1965: Jan. 29, 128.8; Sept. 28, 129.30.

16-41W-20bab. J. Howell. Drilled, water-table stock well in Ogallala Formation; diameter 6 inches, depth 150 feet. Measuring point, top of casing, 0.40 foot above lsd. Highest water level 125.25 below lsd, Dec. 28, 1965; lowest 135.50 below lsd, Sept. 28, 1965. Records available: 1947-65. Mar. 10, 134.21; Sept. 28, 135.50; Dec. 28, 125.25.

17-40W-15cc. Joe E. Smith. Drilled irrigation well in Ogallala Formation; diameter 18 inches, depth 200 feet. Measuring point, hole in east side of pump base, 0.40 foot above lsd. Highest water level 125.16 below lsd, Nov. 5, 1962; lowest 133.61 below lsd, June 16, 1965. Records available: 1962-65. Mar. 10, P; June 16, 133.61; Sept. 28, 127.03; Dec. 28, 127.05.

20-40W-24aa. 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: 1954-65. Feb. 17, 193.51.

HAMILTON COUNTY

23-43W-21aa. (2a) Chester Huser. Drilled irrigation well in alluvium; diameter 40 inches, depth 29 feet. South well of a battery of three irrigation wells. Measuring point, top west side of concrete curb, 1.31 feet above lsd. Highest water level 11.33 below lsd, June 14, 1962; lowest 18.79 below lsd, Sept. 17, 1964. Records available: 1944-65. Mar. 4, 15.50; July 26, 13.18; Sept. 16, 13.88; Dec. 23, 12.38.

24-39W-24dcc. (6) Belle Heinien. Drilled, unused, water-table well in Dakota Formation; diameter 5 inches, depth 98 feet. Measuring point, top south side of casing, at land surface. Highest water level 22.97 below lsd, Sept. 5, 1958; lowest 56.40 below lsd, July 23, 1954. Records available: 1939-65.

Mar. 25	52.52	Sept. 16	23.90	Dec. 16	24.08
July 16	46.19	Oct. 14	24.47		

24-40W-8cc. Mildred E. Lindsey. Drilled, water-table irrigation well in alluvial sands; diameter 18 inches, depth 34 feet. Measuring point, top of 2 x 6 board on top of tile well house wall, 3.00 feet above lsd. Highest water level 11.47 below lsd, Sept. 16, 1965;

lowest 16.71 below lsd, Aug. 22, 1963. Records available: 1962-65. Mar. 25, 14.68; July 16, 12.04; Sept. 16, 11.47; Dec. 16, 11.93.

26-40W-18ba. M. Williamson. Drilled stock well in Dakota Formation; diameter 6 inches, depth 133 feet. Measuring point, top of wooden clamp, northwest side, 1.00 foot above lsd. Highest water level 110.95 below lsd, July 14, 1959; lowest 123.60 below lsd, Sept. 28, 1939. Records available: 1939, 1959-65. Jan. 19, 111.63.

26-42W-17cb. Marion Weckerly. Drilled irrigation well in sandstone of Cretaceous age and sand and gravel of Pliocene and Pleistocene age; diameter 16 inches, depth 749 feet. Measuring point, hole in pump base, at land surface. Highest water level 100 below lsd, Feb. 6, 1960; lowest 118.88 below lsd, Nov. 4, 1964. Records available: 1960-65. Mar. 25, 109.42; July 26, 117.33; Sept. 16, 113.19; Dec. 27, 108.86.

26-42W-22cd. Harold Payne. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 265 feet. Measuring point, hole in southeast side of pump, 1.00 foot above lsd. Highest water level 87.42 below lsd, Jan. 5, 1960; lowest 100.58 below lsd, Sept. 16, 1965. Records available: 1959-65. Mar. 25, 96.35; July 26, P; Sept. 16, 100.58; Dec. 27, 94.86.

HARPER COUNTY

32-7W-11cdd. 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 11.53 below lsd, Aug. 27, 1961; lowest 22.97 below lsd, Oct. 31, 1964. Records available: 1956-65.

Jan. 14	20.97	May 7	21.30	Sept. 3	21.30
Feb. 5	20.97	June 4	20.47	Oct. 1	20.63
Mar. 5	21.63	July 2	21.13	Nov. 5	20.88
Apr. 1	21.05	Aug. 6	19.97	Dec. 3	21.13

32-7W-12ccb1. City of Anthony. Drilled observation well in terrace deposits of Pleistocene age; diameter 2 inches, depth 60 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 22.50 below lsd, Oct. 15, 1954; lowest 37.00 below lsd, Mar. 5, 1965. Records available: 1954-65.

Jan. 14	35.42	May 7	35.50	Sept. 3	34.83
Feb. 5	35.50	June 4	35.00	Oct. 1	34.83
Mar. 5	37.00	July 2	35.00	Nov. 5	35.00
Apr. 1	36.00	Aug. 6	34.00	Dec. 3	35.25

HARVEY COUNTY

23-2W-17bbb1. (888) C. K. Ellis. Drilled, unused, water-table well in sand of Pleistocene age; diameter 1¼ inches, depth 12 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 0.35 below lsd, Nov. 7, 1951; lowest dry, Apr. 2, 1957. Records available: 1939-65. Apr. 2, 3.70; July 1, 1.05; Sept. 30, 2.04; Dec. 29, 1.56.

23-2W-17bbb2. (889) C. K. Ellis. Drilled, unused, water-table well in sand of Pleistocene age; diameter 1¼ inches, depth 151 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.16 below lsd, Apr. 1, 1959; lowest 16.35 below lsd, Aug. 31, 1956. Records available: 1939-65. Apr. 2, 8.64; July 1, 4.40; Sept. 30, 5.05; Dec. 29, 6.29.

23-2W-18bb. (101) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 75 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 26.30 below lsd, July 2, 1962; lowest 38.46 below lsd, Aug. 31, 1956. Records available: 1954-65. Apr. 2, 31.17; July 1, 28.05; Sept. 30, 28.58; Dec. 29, 28.94.

23-2W-18dd. (105) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.90 below lsd, July 2, 1962; lowest 31.58 below lsd, Aug. 31, 1956. Records available: 1954-65. Apr. 2, 22.35; July 1, 19.44; Sept. 30, 19.52; Dec. 29, 19.60.

23-2W-19cc. (103) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 73 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 24.13 below lsd, July 31, 1961; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-65. Apr. 2, 27.67; July 1, 26.24; Sept. 30, 27.25; Dec. 29, 25.40.

23-2W-23cc. (854) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 5.13 below lsd, Aug. 1, 1951; lowest 17.34 below lsd, Jan. 31, 1957. Records available: 1938-65. Apr. 2, 13.15; July 1, 8.60; Sept. 30, 9.70; Dec. 29, 12.85.

23-2W-27ccc. (1191) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.12 below lsd, July 3, 1957; lowest 19.63 below lsd, Aug. 31, 1956. Records available: 1950-65. Apr. 2, 14.22; July 1, 10.39; Sept. 30, 7.28; Dec. 29, 11.85.

23-2W-27ddd. (118) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 7.78 below lsd, July 1, 1957; lowest 19.69 below lsd, Oct. 1, 1956. Records available: 1955-65. Apr. 2, 14.90; July 1, 10.20; Sept. 30, 10.70; Dec. 29, 13.15.

23-2W-28ab1. (506) W. G. Backhaus. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 139 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 1.71 below lsd, July 16, 1951; lowest 21.70 below lsd, Oct. 15, 1956. Records available: 1938-65. Apr. 2, 14.75; July 1, 8.83; Sept. 30, 8.20; Dec. 29, 13.10.

23-2W-28ab2. (507) W. G. Backhaus. Driven, unused water-table well in sand of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, plate on instrument shelf, 3.10 feet above lsd. Highest water level 3.23 below lsd, May 6, 1944; lowest 21.32 below lsd, Aug. 31, 1956. Records available: 1938-65. Apr. 2, 13.93; July 1, 8.85; Sept. 30, 9.38; Dec. 29, 10.00.

23-2W-28cd. (3005) Sally McFarland and others. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 39.27 below lsd, July 31, 1961; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-65. Apr. 2, 45.22; July 1, 43.00; Sept. 30, 41.30; Dec. 29, 40.98.

23-2W-29bbb1. (M-1) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 222 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 18.56 below lsd, Apr. 13, 1939; lowest 112.50 below lsd, Sept. 2, 1958. Records available: 1939-65.

HARVEY COUNTY—*continued.*

Feb. 1	37.00	Aug. 2	36.00
Mar. 1	36.00	Sept. 1	75.00Pm
Apr. 1	34.50	Oct. 1	35.00
30	36.50	Nov. 1	75.00Pm
June 1	74.50Pm	Dec. 1	34.00
July 1	35.00		

23-2W-29bbb2. (M-1b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 15.94 below lsd, June 3, 1940; lowest 42.74 below lsd, July 31, 1964. Records available: 1939-65.

Feb. 1	30.90	Aug. 2	30.70
Mar. 1	30.55	Sept. 1	39.27Pc
Apr. 1	29.80	Oct. 1	28.57
30	31.16	Nov. 1	37.84Pc
June 1	39.76Pc	Dec. 1	28.01
July 1	28.90		

23-2W-29cb1. (M-2r) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 231 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 40.00 below lsd, Nov. 1, 1960; lowest 93.5 below lsd, Apr. 30, 1965. Records available: 1960-65.

Feb. 1	92.5Pm	Aug. 2	92.0Pm
Mar. 1	92.0Pm	Sept. 1	49.0
Apr. 1	90.0Pm	Oct. 1	89.0Pm
30	93.5Pm	Nov. 1	46.0
June 1	48.0	Dec. 1	88.0Pm
July 1	90.0Pm		

23-2W-29cb2. (M-2b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 20.25 below lsd, May 27, 1940; lowest 50.49 below lsd, Aug. 1, 1957. Records available: 1939-65.

Feb. 1	41.04Pc	Aug. 2	41.47Pc
Mar. 1	42.05Pc	Sept. 1	43.22
Apr. 1	38.72Pc	Oct. 1	37.22Pc
30	41.00Pc	Nov. 1	40.25
June 1	43.59	Dec. 1	35.95Pc
July 1	39.15Pc		

23-2W-29cdd1. (M-4) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 238 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 23.20 below lsd, May 8, 1939; lowest 133.0 below lsd, Nov. 1, 1965. Records available: 1939-65.

Feb. 1	49.0	Aug. 2	44.0
Mar. 1	46.5	Sept. 1	122.0Pm
Apr. 1	44.5	Oct. 1	42.0
30	132.0Pm	Nov. 1	133.0Pm
June 1	43.0	Dec. 1	42.0
July 1	125.0Pm		

23-2W-29cdd2. (M-4b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-65.

Feb. 1	48.2	Aug. 2	45.77
Mar. 1	47.0	Sept. 1	50.45Pc
Apr. 1	44.48	Oct. 1	41.82
30	50.88Pc	Nov. 1	46.38Pc
June 1	44.11	Dec. 1	40.85
July 1	48.60Pc		

23-2W-30cc. (3001) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 19.12 below lsd, Sept. 30, 1955; lowest 30.12 below lsd, Aug. 31, 1956. Records available: 1951-65. Apr. 2, 27.95; July 1, 27.60; Sept. 30, 27.24; Dec. 29, 25.38.

23-2W-30dd1. (M-3) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 234 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 23.12 below lsd, May 27, 1940; lowest 116.0 below lsd, Mar. 1, 1965. Records available: 1939-65.

Feb. 1	49.5	Aug. 2	113.0Pm
Mar. 1	116.0Pm	Sept. 1	48.0
Apr. 1	46.0	Oct. 1	44.0
30	48.0	Nov. 1	43.0
June 1	112.0Pm	Dec. 1	42.0
July 1	45.0		

23-2W-30dd2. (M-3b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 23.91 below lsd, May 27, 1940; lowest 56.09 below lsd, Aug. 1, 1957. Records available: 1939-65.

Feb. 1	46.50	Aug. 2	47.32Pc
Mar. 1	48.66Pc	Sept. 1	46.80
Apr. 1	43.80	Oct. 1	42.09
30	46.22	Nov. 1	43.43
June 1	47.29Pc	Dec. 1	41.00
July 1	44.27		

23-2W-31ddd1. (873) City of Wichita. D. C. Buller, owner of property. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 10.49 below lsd, Apr. 29, 1943; lowest 41.05 below lsd, Jan. 1, 1958. Records available: 1939-49, 1954-65. Apr. 2, 38.07; July 1, 38.60; Sept. 30, 37.05; Dec. 29, 36.39.

23-2W-31ddd2. (874) City of Wichita. D. C. Buller, owner of property. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 201 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 20.04 below lsd, May 27, 1940; lowest 62.82 below lsd, Mar. 29, 1962. Records available: 1939-49, 1954-65. Apr. 2, 54.16; July 1, 51.48; Sept. 30, 41.28; Dec. 29, 47.76.

23-2W-32cb1. (M-5) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 237 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 20.33 below lsd, May 16, 1939; lowest 150.00 below lsd, Mar. 1, 1955. Records available: 1939-65.

Feb. 1	40.90	Aug. 2	47.50
Mar. 1	39.65	Sept. 1	75.00Pm
Apr. 1	40.37	Oct. 1	42.00
30	49.51	Nov. 1	44.50
June 1	47.83	Dec. 1	41.00
July 1	47.02		

23-2W-32cb2. (M-5b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1939-65.

Feb. 1	37.82	Aug. 2	36.79
Mar. 1	37.15	Sept. 1	37.04Pc
Apr. 1	36.95	Oct. 1	36.14
30	37.19	Nov. 1	36.65
June 1	36.97	Dec. 1	35.20
July 1	37.60		

23-2W-32cc1. (M-6r) City of Wichita. Drilled, water-table observation and public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 250 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 33.00 below lsd, Aug. 1, 1961, Aug. 31, 1962; lowest 114.00 below lsd, Jan. 2, 1964. Records available: 1959-65.

Feb. 1	102.0Pm	Aug. 2	38.0
Mar. 1	42.0	Sept. 1	39.5
Apr. 1	108.0Pm	Oct. 1	37.0
30	40.5	Nov. 1	118.0Pm
June 1	40.0	Dec. 1	36.0
July 1	39.0		

23-2W-32cc2. (M-6b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.46 below lsd, June 3, 1940; lowest 41.55 below lsd, July 31, 1953. Records available: 1939-65.

Feb. 1	39.32	Aug. 2	38.06
Mar. 1	38.70	Sept. 1	38.32
Apr. 1	38.42	Oct. 1	37.60
30	38.52	Nov. 1	38.08
June 1	38.29	Dec. 1	36.65
July 1	38.40		

23-2W-33ccd. (3038) Sally McFarland and others. 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: 1950-65. Apr. 2, 44.04; July 1, 42.12; Sept. 30, 39.55; Dec. 29, 37.89.

23-2W-34dc. (3039) George Lehman. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 0.10 above lsd, Sept. 7, 1951; lowest 18.66 below lsd, Aug. 31, 1956. Records available: 1950-65. Apr. 2, 12.35; July 1, 10.05; Sept. 30, 8.00; Dec. 29, 8.96.

23-3W-12dcd. (736) I. Ansel, Jr. Driven, water-table domestic well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 33 feet. Measuring point, base of pitcher pump, 4.70 feet above lsd. Highest water level 0.84 below lsd, July 2, 1962; lowest 12.81 below lsd, Dec. 31, 1956. Records available: 1950-65. Apr. 2, 7.63; July 1, 4.55; Sept. 30, 5.40; Dec. 29, 6.05.

23-3W-14cca. (1194) Byron Wood. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 21 feet. Measuring point, bottom valve seat of pump, 2.19 feet above lsd. Highest water level 1.09 below lsd, July 2, 1962; lowest 12.67 below lsd, Aug. 1, 1956. Records available: 1941, 1950, 1952-65. Apr. 2, 7.10; July 1, 1.92; Sept. 30, 3.81; Dec. 29, 6.32.

23-3W-16bac. (1053-B) J. H. Workentine. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of 1¼-inch union, 0.30 foot above lsd. Highest water level 6.67 below lsd, July 9, 1951; lowest 19.41 below lsd, Dec. 31, 1956. Records available: 1950-65. Apr. 2, 12.32; July 1, 8.60; Sept. 30, 10.80; Dec. 29, 12.24.

23-3W-17ddd1. (875) A. B. Havely. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 1.70 above lsd, Oct. 31, and Dec. 31, 1958 through June 30, 1959; lowest 8.78 below lsd, Oct. 31, 1955. Records available: 1939-65. Apr. 2, 1.79; July 1, 0.41; Sept. 30, 1.70; Dec. 29, 2.01.

23-3W-17ddd2. (876) A. B. Havely. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 246 feet. Measuring point, top of instrument shelf, 2.70 feet above lsd. Highest water level 13.07 below lsd, Dec. 1, 1964; lowest 32.83 below lsd, Apr. 2, 1957. Records available: 1939-65. Apr. 2, 25.66; July 1, 15.56; Sept. 30, 25.54; Dec. 29, 25.89.

23-3W-17ddd3. (877) A. B. Havely. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 6 inches, depth 47 feet. Measuring point, top of plate on instrument shelf, 3.40 feet above lsd. Highest water level 8.50 below lsd, Jan. 2, 1959; lowest 19.21 below lsd, Sept. 5, Oct. 5, 1956. Records available: 1939-65. Apr. 2, 13.62; July 1, 12.31; Sept. 30, 12.50; Dec. 29, 12.55.

23-3W-23bb. (104) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 81 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.47 below lsd, Jan. 1, 1959, July 31, 1962; lowest 27.77 below lsd, Nov. 1, 1956. Records available: 1954-65. Apr. 2, 22.02; July 1, 18.97; Sept. 30, 19.70; Dec. 29, 20.81.

23-3W-23dcd. (3036) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 34.69 below lsd, Apr. 1, 1959. Records available: 1950-65. Apr. 2, 30.33; July 1, 29.05; Sept. 30, 28.50; Dec. 29, 28.45.

23-3W-24aa. (102) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene

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age; diameter 1¼ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.60 below lsd, Jan. 1, 1959; lowest 36.33 below lsd, Aug. 31, 1956. Records available: 1954-65. Apr. 2, 29.45; July 1, 27.41; Sept. 30, 27.23; Dec. 29, 29.21.

23-3W-24aad. (1193) J. W. McElwain. Driven, water-table stock well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, bottom valve seat of pump, 2.35 feet above lsd. Highest water level 2.06 below lsd, May 31, 1962; lowest 11.68 below lsd, June 28, 1950. Records available: 1950-65. Apr. 2, 6.91; July 1, 4.95; Sept. 30, 5.09; Dec. 29, 5.91.

23-3W-34dd. (3035) City of Wichita. Drilled, water-table observation 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: 1950-65. Apr. 2, 18.94; July 1, 18.70; Sept. 30, 18.50; Dec. 29, 18.34.

23-3W-36bb. (106) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 22.73 below lsd, Sept. 29, 1960; lowest 27.68 below lsd, Aug. 31, 1956. Records available: 1954-65. Apr. 2, 25.90; July 1, 24.98; Sept. 30, 25.14; Dec. 29, 24.44.

24-1W-5ccc. (121) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 81 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 38.62 below lsd, July 2, 1962; lowest 54.18 below lsd, May 31, 1956. Records available: 1955-65. Apr. 2, 48.82; July 1, 42.98; Sept. 30, 41.52; Dec. 29, 44.20.

24-1W-6bbb. (119) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 25.47 below lsd, July 31, 1962; lowest 36.76 below lsd, Oct. 1, 1956. Records available: 1955-65. Apr. 2, 32.30; July 1, 28.97; Sept. 30, 27.03; Dec. 29, 28.95.

24-1W-7ddd. (123) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 43 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 20.84 below lsd, May 1, 1957; lowest 38.54 below lsd, Dec. 31, 1956. Records available: 1955-65. Apr. 2, 32.79; July 1, 27.70; Sept. 30, 25.98; Dec. 29, 29.30.

24-1W-18bbb. (122) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.68 below lsd, June 1, 1962; lowest 23.01 below lsd, Oct. 1, 1956. Records available: 1955-65. Apr. 2, 19.24; July 1, 5.68; Sept. 30, 15.18; Dec. 29, 18.20.

24-1W-19aaa. (832) City of Wichita. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 129 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.36 below lsd, May 31, 1962; lowest 24.85 below lsd, Dec. 31, 1956. Records available: 1938-49, 1955-65. Apr. 2, 19.60; Sept. 1, 13.95; Sept. 30, 14.22; Dec. 29, 17.20.

24-1W-19bbb. (1187) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.30 below lsd, July 9, 1951; lowest 20.48 below lsd, Dec. 31, 1956. Records available: 1941-65. Apr. 2, 12.93; July 1, 6.80; Sept. 30, 6.70; Dec. 29, 10.33.

24-1W-19cc. (833) T. B. Burrows. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 25.23 below lsd, Mar. 1, 1957. Records available: 1938-65. Apr. 2, 18.32; July 1, 15.95; Sept. 30, 14.84; Dec. 29, 15.67.

24-1W-22dd. (824) City of Wichita. Driven, water-table observation well in sand of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 3.60 below lsd, June 1, 1951; lowest 19.87 below lsd, Oct. 1, 1956. Records available: 1938-65. Apr. 2, 10.16; July 1, 4.20; Sept. 30, 5.80; Dec. 29, 7.85.

24-1W-29bbb. (113) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.97 below lsd, July 31, 1962; lowest 23.90 below lsd, Mar. 1, 1957. Records available: 1954-65. Apr. 2, 19.10; July 1, 14.08; Sept. 30, 13.85; Dec. 29, 16.16.

24-1W-30ddd. (1175) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.80 below lsd, July 9, 1951; lowest 20.50 below lsd, May 1, 1957. Records available: 1950-65. Apr. 2, 14.82; July 1, 10.65; Sept. 30, 9.55; Dec. 29, 11.72.

24-1W-32ccc. (1174) City of Wichita. Driven observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.28 below lsd, May 1, 1945; lowest 22.73 below lsd, Mar. 1, Apr. 2, 1957. Records available: 1940-49, 1954-65. Apr. 2, 15.48; July 1, 13.21; Sept. 30, 11.65; Dec. 29, 12.13.

24-1W-33dbd. (1179) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.25 below lsd, Oct. 2, 1951; lowest 21.76 below lsd, Oct. 1, 1956. Records available: 1950-65. Apr. 2, 18.38; July 1, 13.75; Sept. 30, 12.98; Dec. 29, 16.55.

24-2W-1bbb. (817) City of Wichita. Driven, water-table observation well in sand of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 21.46 below lsd, Oct. 1, 1956. Records available: 1938-65. Apr. 2, 17.52; July 1, 13.85; Sept. 30, 13.50; Dec. 29, 15.66.

24-2W-1ddd. (120) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 11.35 below lsd, July 2, 1962; lowest 23.00 below lsd, Oct. 1, 1956. Records available: 1955-65. Apr. 2, 18.34; July 1, 13.10; Sept. 30, 11.61; Dec. 29, 15.12.

24-2W-2ccc. (3033) City of Wichita. Driven, water-table observation 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: 1950-65. Apr. 2, 22.59; July 1, 21.33; Sept. 30, 19.75; Dec. 29, 19.69.

24-2W-2ddd. (111) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 9.45 below lsd, July 31, 1962; lowest 20.12 below lsd, Oct. 1, 1956. Records available: 1954-65. Apr. 2, 14.76; July 1, 11.85; Sept. 30, 10.37; Dec. 29, 12.14.

24-2W-3cb. (107) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 66 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 33.03 below lsd, Feb. 1, 1961; lowest 49.06 below lsd, Aug. 1, 1956. Records available: 1954-65. Apr. 2, 39.35; July 1, 38.03; Sept. 30, 34.60; Dec. 29, 33.75.

24-2W-5aba. (3037) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 70 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 37.99 below lsd, Jan. 2, 1959; lowest 53.19 below lsd, Aug. 1, 1957. Records available: 1950-65. Apr. 2, 45.90; July 1, 44.88; Sept. 30, 42.38; Dec. 29, 40.65.

24-2W-5ba. (2072) Peter Hoops and others. 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 41.16 below lsd, July 1, 1965. Records available: 1941-65. Apr. 2, 40.08; July 1, 41.16; Sept. 30, 39.92; Dec. 29, 39.80.

24-2W-6ad1. (M-7r) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 252 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 35.50 below lsd, Apr. 1, 1963; lowest 133.00 below lsd, Sept. 2, 1958. Records available: 1957-65.

Feb. 1	43.5	Aug. 2	105.0Pm
Mar. 1	39.0	Sept. 1	106.0Pm
Apr. 1	44.0	Oct. 1	37.0
30	110.5Pm	Nov. 1	40.0
June 1	107.0Pm	Dec. 1	36.0
July 1	109.0Pm		

24-2W-6ad2. (M-7b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 54 feet. Measuring point, top of pipe, 3.87 feet above lsd. Highest water level 13.30 below lsd, June 3, 1940; lowest 40.51 below lsd, Dec. 5, 1957. Records available: 1939-65.

Feb. 1	35.01	Aug. 2	34.82Pc
Mar. 1	35.13	Sept. 1	34.76Pc
Apr. 1	34.97	Oct. 1	33.80
30	35.15Pc	Nov. 1	33.20
June 1	35.06Pc	Dec. 1	33.68
July 1	35.35Pc		

24-2W-6ad3. (M-7d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 255 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 39.09 below lsd, Apr. 1, 1963; lowest 65.84 below lsd, Jan. 31, 1958. Records available: 1957-65.

Feb. 1	45.62	Aug. 2	60.63Pc
Mar. 1	43.19	Sept. 1	61.52Pc
Apr. 1	47.37	Oct. 1	41.02
30	63.12Pc	Nov. 1	43.78
June 1	60.24Pc	Dec. 1	44.50
July 1	60.95Pc		

24-2W-6bbb. (821) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 29.93 below lsd, Apr. 1,

1957. Records available: 1938-65. Apr. 2, 28.95; July 1, 28.88; Sept. 30, 28.50; Dec. 29, 27.65.

24-2W-8baa1. (M-10r) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 237 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 30.34 below lsd, Apr. 1, 1957; lowest 101.00 below lsd, Mar. 2, 1964. Records available: 1957-65.

Feb. 1	42.0	Aug. 2	40.0
Mar. 1	39.5	Sept. 1	89.0Pm
Apr. 1	92.0Pm	Oct. 1	38.0
30	91.5Pm	Nov. 1	90.0Pm
June 1	40.0	Dec. 1	37.0
July 1	42.0		

24-2W-8baa2. (M-10b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 10.44 below lsd, May 27, 1940; lowest 39.45 below lsd, July 1, 1958. Records available: 1939-65.

Feb. 1	34.15	Aug. 2	33.60
Mar. 1	33.90	Sept. 1	33.83Pc
Apr. 1	34.23Pc	Oct. 1	33.15
30	34.19Pc	Nov. 1	33.25Pc
June 1	33.47	Dec. 1	32.40
July 1	34.42		

24-2W-8baa3. (M-10d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 230 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 34.02 below lsd, Apr. 1, 1963; lowest 65.14 below lsd, Dec. 5, 1957. Records available: 1957-65.

Feb. 1	39.25	Aug. 2	37.23
Mar. 1	37.75	Sept. 1	60.20Pc
Apr. 1	63.54Pc	Oct. 1	35.55
30	63.08Pc	Nov. 1	59.95Pc
June 1	38.60	Dec. 1	35.20
July 1	39.33		

24-2W-8bb1. (M-8r) City of Wichita. Drilled water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 220 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 30.00 below lsd, Jan. 2, 1964; lowest 72.00 below lsd, Oct. 1, 1964. Records available: 1959-65.

Feb. 1	36.0	Aug. 2	35.0
Mar. 1	70.5Pm	Sept. 1	35.0
Apr. 1	36.5	Oct. 1	34.0
30	36.5	Nov. 1	34.5
June 1	36.0	Dec. 1	68.0Pm
July 1	35.0		

24-2W-8bb2. (M-8b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 9.12 below lsd, May 27, 1940; lowest 37.02 below lsd, July 1, 1958. Records available: 1939-65.

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Feb. 1	31.82	Aug. 2	32.04
Mar. 1	31.28Pc	Sept. 1	31.69
Apr. 1	32.00	Oct. 1	31.44
30	32.01	Nov. 1	31.22
June 1	32.27	Dec. 1	31.00Pc
July 1	32.50		

24-2W-8bc1. (M-9) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 228 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.11 below lsd, May 27, 1940; lowest 85.00 below lsd, Oct. 1, 1965. Records available: 1939-65.

Feb. 1	30.0	Aug. 2	84.0Pm
Mar. 1	30.5	Sept. 1	30.0
Apr. 1	84.0Pm	Oct. 1	85.0Pm
30	84.0Pm	Nov. 1	30.0
June 1	80.0Pm	Dec. 1	30.0
July 1	30.0		

24-2W-8bc2. (M-9b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.67 below lsd, May 27, 1940; lowest 36.33 below lsd, Nov. 30, 1956. Records available: 1939-65.

Feb. 1	30.34	Aug. 2	31.36Pc
Mar. 1	30.60	Sept. 1	30.30
Apr. 1	31.28Pc	Oct. 1	31.03Pc
30	31.04Pc	Nov. 1	29.82
June 1	31.36Pc	Dec. 1	29.40
July 1	32.77		

24-2W-8db1. (M-11) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 248 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.74 below lsd, May 27, 1940; lowest 92.00 below lsd, Sept. 30, 1955. Records available: 1939-65.

Feb. 1	33.77	Aug. 2	34.70
Mar. 1	33.40	Sept. 1	33.33
Apr. 1	33.68	Oct. 1	32.85
30	33.70	Nov. 1	32.40
June 1	34.20	Dec. 1	31.80
July 1	34.08		

24-2W-8db2. (M-11b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot below lsd. Highest water level 8.49 below lsd, May 27, 1940; lowest 41.20 below lsd, Oct. 1, 1956. Records available: 1939-65.

Feb. 1	33.48	Aug. 2	33.46
Mar. 1	33.45	Sept. 1	33.33
Apr. 1	33.52	Oct. 1	34.12
30	33.58	Nov. 1	33.59
June 1	33.71	Dec. 1	32.10
July 1	33.83		

24-2W-9ad1. (M-16) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.92 below lsd, Apr. 17, 1939; lowest 105.50 below lsd, June 1, 1955. Records available: 1939-65.

Feb. 1	77.0Pm	Aug. 2	34.0
Mar. 1	75.5Pm	Sept. 1	33.0
Apr. 1	38.0	Oct. 1	34.5
30	76.5Pm	Nov. 1	32.5
June 1	36.0	Dec. 1	32.0
July 1	36.0		

24-2W-9ad2. (M-16b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 13.45 below lsd, May 27, 1940; lowest 47.30 below lsd, Aug. 1, 1956. Records available: 1939-65.

Feb. 1	38.55Pc	Aug. 2	32.82
Mar. 1	38.42Pc	Sept. 1	31.96
Apr. 1	36.36	Oct. 1	33.20
30	37.88Pc	Nov. 1	31.49
June 1	35.31	Dec. 1	30.92
July 1	35.23		

24-2W-9cb1. (M-12) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 11.41 below lsd, Aug. 21, 1939; lowest 103.00 below lsd, May 31, Sept. 2, 1957. Records available: 1939-65.

Feb. 1	89.5Pm	Aug. 2	84.0Pm
Mar. 1	37.0	Sept. 1	36.0
Apr. 1	89.0Pm	Oct. 1	36.0
30	38.0	Nov. 1	34.0
June 1	88.0Pm	Dec. 1	34.0
July 1	87.0Pm		

24-2W-9cb2. (M-12b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 47.92 below lsd, Dec. 1, 1958. Records available: 1939-65.

Feb. 1	41.15Pc	Aug. 2	39.29Pc
Mar. 1	35.58	Sept. 1	34.74
Apr. 1	41.47Pc	Oct. 1	34.48
30	36.45	Nov. 1	32.95
June 1	40.84Pc	Dec. 1	33.38
July 1	41.65Pc		

24-2W-9cc. (M-14b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 49.26 below lsd, July 1, 1958. Records available: 1939-65.

Feb. 1	31.17	Aug. 2	33.80
Mar. 1	31.18Pc	Sept. 1	30.66
Apr. 1	30.95	Oct. 1	30.46Pc
30	31.15	Nov. 1	29.80
June 1	31.22	Dec. 1	29.30Pc
July 1	31.50Pc		

24-2W-9dd1. (M-17) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 193 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.71 below lsd, Aug. 21, 1939; lowest 96.00 below lsd, Apr. 2, 1962. Records available: 1939-65.

Feb. 1	71.0Pm	July 1	72.0Pm
Mar. 1	32.0	Aug. 2	28.0
Apr. 1	73.0Pm	Sept. 1	30.0
30	32.0	Oct. 1	73.0Pm
June 1	74.0Pm	Dec. 1	28.0

24-2W-9dd2. (M-17b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 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: 1939-65.

Feb. 1	32.15Pc	Aug. 2	31.19
Mar. 1	31.98	Sept. 1	31.22
Apr. 1	31.87Pc	Oct. 1	30.90Pc
30	31.92	Nov. 1	29.70
June 1	32.15Pc	Dec. 1	29.06
July 1	31.99Pc		

24-2W-13bbb. (853) City of Wichita. Drilled, water-table observation well in sand of Pleistocene age; diameter 1 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: 1938-65. Apr. 2, 14.87; July 1, 12.55; Sept. 30, 10.62; Dec. 29, 12.42.

24-2W-13ccc. (1186) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.25 below lsd, Sept. 7, 1951; lowest 24.67 below lsd, Mar. 1, 1957. Records available: 1941-65. Apr. 2, 17.10; July 1, 15.90; Sept. 30, 14.90; Dec. 29, 15.17.

24-2W-15aa. (1190) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 40 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 14.14 below lsd, July 9, 1951; lowest 32.99 below lsd, May 1, 1957. Records available: 1950-65. Apr. 2, 25.82; July 1, 25.50; Sept. 30, 23.78; Dec. 29, 23.50.

24-2W-15ddd. (2084) Mrs. Emma Linn Webster. 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: 1950-65. Apr. 2, 21.63; July 1, 20.15; Sept. 30, 18.80; Dec. 29, 19.37.

24-2W-16baa1. (886) F. H. Haiber. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 57 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 2.34 below lsd, Aug. 21, 1939; lowest 31.86 below lsd, Aug. 1, 1956. Records available: 1939-65.

Jan. 25	26.35	May 25	26.33	Sept. 25	22.40
Feb. 25	25.45	June 25	25.69	30	24.30
Mar. 25	25.70	July 1	25.10	Oct. 25	20.99
Apr. 2	26.80	26	24.65	Nov. 24	21.17
26	24.57	Aug. 25	22.90	Dec. 29	21.15

24-2W-16baa2. (887) F. H. Haiber. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1 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: 1939-65. Apr. 2, 26.98; July 1, 26.70; Sept. 30, 23.55; Dec. 29, 20.66.

24-2W-16bb. (M-14r) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 204 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 28.00 below lsd, Oct. 1, Dec. 3, 1962, Jan. 2, 1963; lowest 63.00 below lsd, Nov. 1, 1963, Sept. 1, 1964. Records available: 1960-65.

Feb. 1	36.5	Aug. 2	36.0
Mar. 1	60.0Pm	Sept. 1	34.5
Apr. 1	36.0	Oct. 1	62.0Pm
30	36.0	Nov. 1	33.0
June 1	38.0	Dec. 1	58.0Pm
July 1	60.0Pm		

24-2W-16bcc. (M-15b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 11.24 below lsd, Aug. 21, 1939; lowest 40.12 below lsd, Mar. 1, 1957. Records available: 1939-65.

Feb. 1	34.20	Aug. 2	32.87
Mar. 1	32.70	Sept. 1	31.79
Apr. 1	34.89	Oct. 1	30.70
30	34.58	Nov. 1	29.80
June 1	33.65	Dec. 1	29.94
July 1	32.00		

24-2W-16cbb. (M-15r) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 244 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 19.00 below lsd, May 31, 1963; lowest 55.00 below lsd, Oct. 1, Dec. 1, 1964. Records available: 1960-65.

Feb. 1	52.0Pm	Aug. 2	49.0Pm
Mar. 1	28.0	Sept. 1	30.0
Apr. 1	52.0Pm	Oct. 1	29.5
30	52.0Pm	Nov. 1	25.0
June 1	52.0Pm	Dec. 1	24.5
July 1	28.0		

24-2W-16ccc. (1189) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 32 feet. Measuring point, top of pipe, 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, 1949-65. Apr. 2, 23.78; July 1, 22.10; Sept. 30, 20.90; Dec. 29, 21.24.

HARVEY COUNTY—*continued.*

24-2W-16da1. (M-18) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 186 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 6.58 below lsd, Aug. 21, 1939; lowest 72.00 below lsd, Sept. 1, 1964. Records available: 1939-65.

Feb. 1	26.0	Aug. 2	68.0Pm
Mar. 1	68.0Pm	Sept. 1	67.0Pm
Apr. 1	26.0	Oct. 1	23.0
30	70.5Pm	Nov. 1	71.0Pm
June 1	26.0	Dec. 1	66.0Pm
July 1	24.0		

24-2W-16da2. (M-18b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.01 below lsd, Aug. 21, 1939; lowest 35.48 below lsd, Mar. 1, 1956. Records available: 1939-65.

Feb. 1	22.95	Aug. 2	21.85Pc
Mar. 1	22.90Pc	Sept. 1	22.04Pc
Apr. 1	23.19	Oct. 1	20.68
30	23.51Pc	Nov. 1	20.45Pc
June 1	23.32	Dec. 1	20.39Pc
July 1	22.17		

24-2W-17ab1. (M-13) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 245 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 80.00 below lsd, July 1, 1964. Records available: 1939-65.

Feb. 1	32.0	Aug. 2	32.0
Mar. 1	32.0	Sept. 1	75.0Pm
Apr. 1	32.0	Oct. 1	31.0
30	32.0	Nov. 1	78.0Pm
June 1	78.0Pm	Dec. 1	30.0
July 1	32.0		

24-2W-17ab2. (M-13b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 7.63 below lsd, May 27, 1940; lowest 37.56 below lsd, Aug. 31, 1956. Records available: 1939-65.

Feb. 1	30.55	Aug. 2	30.48
Mar. 1	30.55	Sept. 1	30.52Pc
Apr. 1	30.48	Oct. 1	29.96
30	30.98	Nov. 1	29.48Pc
June 1	30.86Pc	Dec. 1	28.90
July 1	30.90		

24-2W-18aa. (894) H. A. Lawrence. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 59 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 9.56 below lsd, May 27, 1940; lowest 34.40 below lsd, Apr. 2, 1957. Records available: 1938-65. Apr. 2, 31.08; July 1, 31.05; Dec. 29, 29.55.

24-2W-22bbb. (2088) City of Wichita. Driven,

water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.70 below lsd, Apr. 28, 1944; lowest 25.79 below lsd, Mar. 1, 1957. Records available: 1944-46, 1949-65. Apr. 2, 18.80; July 1, 16.33; Sept. 30, 15.02; Dec. 29, 15.97.

24-2W-22bc1. (M-26) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 195 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 91.00 below lsd, May 2, 1955. Records available: 1949-65.

Feb. 1	74.0Pm	Aug. 2	24.0
Mar. 1	26.0	Sept. 1	24.5
Apr. 1	26.0	Oct. 1	23.5
30	76.0Pm	Nov. 1	23.0
June 1	26.0	Dec. 1	24.0
July 1	24.0		

24-2W-22bc2. (M-26b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 79 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 11.62 below lsd, July 7, 1948; lowest 31.14 below lsd, Apr. 1, 1957. Records available: 1947-65.

Feb. 1	23.91Pc	Aug. 2	22.45
Mar. 1	24.24	Sept. 1	22.76
Apr. 1	24.31	Oct. 1	21.35
30	23.45Pc	Nov. 1	21.07
June 1	24.50	Dec. 1	21.54
July 1	22.80		

24-2W-22cd1. (M-19) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 158 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.00 below lsd, Aug. 21, 1939; lowest 71.00 below lsd, Oct. 1, 1956. Records available: 1939-65.

Apr. 1	26.88	Sept. 1	26.0
30	27.92	Oct. 1	27.0
June 1	28.63	Nov. 1	26.0
July 1	27.45	Dec. 1	25.0
Aug. 2	26.9		

24-2W-22cd2. (M-19b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 9.38 below lsd, Aug. 21, 1939; lowest 37.58 below lsd, May 1, 1957. Records available: 1939-65.

Feb. 1	26.40	Aug. 2	26.50
Mar. 1	26.87	Sept. 1	26.26
Apr. 1	26.75	Oct. 1	26.01
30	27.02	Nov. 1	24.89
June 1	28.47	Dec. 1	24.93
July 1	26.70		

24-2W-24ccc. (3032) City of Wichita. Driven, water-table observation 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: 1950-65. Apr. 2, 22.11; July 1, 21.80; Sept. 30, 22.08; Dec. 29, 22.04.

24-2W-25ddd. (112) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.09 below lsd, Aug. 30, 1962; lowest 25.65 below lsd, May 1, 1957. Records available: 1954-65. Apr. 2, 17.60; July 1, 17.02; Sept. 30, 14.98; Dec. 29, 13.30.

24-2W-26bbb1. (884) Maggie Holle. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 38.30 below lsd, May 1, 1957. Records available: 1939-65. Apr. 2, 29.59; July 1, 29.45; Sept. 30, 27.62; Dec. 29, 26.40.

24-2W-26bbb2. (885) Maggie Holle. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 99 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 13.22 below lsd, Aug. 21, 1939; lowest 39.70 below lsd, May 1, 1957. Records available: 1939-65. Apr. 2, 29.27; July 1, 28.68; Sept. 30, 27.36; Dec. 29, 26.34.

24-2W-26cc1. (M-21) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 65.00 below lsd, Oct. 31, 1958. Records available: 1939-65.

Feb. 1	34.0Pm	Aug. 2	34.5Pm
Mar. 1	35.0Pm	Sept. 1	18.5
Apr. 1	26.5	Oct. 1	24.5
30	35.5Pm	Nov. 1	23.0
June 1	26.5	Dec. 1	23.5
July 1	35.5Pm		

24-2W-26cc2. (M-21b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 8.08 below lsd, Aug. 21, 1939; lowest 31.65 below lsd, May 1, 1957. Records available: 1939-65.

Feb. 1	25.73Pc	Aug. 2	25.27Pc
Mar. 1	25.50Pc	Sept. 1	24.67
Apr. 1	25.11	Oct. 1	24.59
30	25.34Pc	Nov. 1	23.66
June 1	25.15	Dec. 1	23.43
July 1	26.20Pc		

24-2W-26cd. (M-22b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 9.28 below lsd, Aug. 21, 1939; lowest 34.04 below lsd, Aug. 1, 1957. Records available: 1939-65.

Feb. 1	25.98	Aug. 2	25.74
Mar. 1	25.80	Sept. 1	25.85Pc
Apr. 1	25.91Pc	Oct. 1	25.20
30	25.78	Nov. 1	24.46
June 1	26.12Pc	Dec. 1	23.99
July 1	26.15		

24-2W-26dcc. (M-22r) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 188 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 21.00 below lsd, Nov. 1, 1962; lowest 86.00 below lsd, Dec. 1, 1960. Records available: 1960-65.

Feb. 1	27.0	Aug. 2	28.0
Mar. 1	26.0	Sept. 1	85.5Pm
Apr. 1	82.0Pm	Oct. 1	28.0
30	27.5	Nov. 1	26.0
June 1	85.0Pm	Dec. 1	26.5
July 1	28.0		

24-2W-27aa1. (M-20) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 145 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 10.82 below lsd, Aug. 21, 1939; lowest 88.00 below lsd, Mar. 1, 1956. Records available: 1939-65.

Feb. 1	26.0	Aug. 2	55.0Pm
Mar. 1	27.0	Sept. 1	26.0
Apr. 1	56.5Pm	Oct. 1	25.5
30	28.0	Nov. 1	25.0
June 1	27.5	Dec. 1	25.0
July 1	55.0Pm		

24-2W-27aa2. (M-20b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.47 below lsd, Aug. 21, 1939; lowest 35.86 below lsd, Mar. 1, 1956. Records available: 1939-65.

Feb. 1	26.89	Aug. 2	26.90Pc
Mar. 1	27.38	Sept. 1	26.08
Apr. 1	27.24Pc	Oct. 1	25.80
30	27.12	Nov. 1	25.84
June 1	27.05	Dec. 1	25.15
July 1	27.10Pc		

24-2W-28da1. (M-48) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 256 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 24.30 below lsd, Dec. 31, 1958, Feb. 2, 1959; lowest 88.21 below lsd, June 1, 1965. Records available: 1958-65.

Feb. 1	27.20	Aug. 2	30.50
Mar. 1	30.52	Sept. 1	30.65
Apr. 1	28.36	Oct. 1	30.39
30	30.64	Nov. 1	84.56Pm
June 1	88.21Pm	Dec. 1	26.86
July 1	30.80		

24-2W-28da2. (M-48b) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 23.35 below lsd, Feb. 2, 1959; lowest 30.80 below lsd, Jan. 2, 1964. Records available: 1958-65.

HARVEY COUNTY—*continued.*

Feb. 1	28.41	Aug. 2	28.82
Mar. 1	28.52	Sept. 1	28.58
Apr. 1	28.52	Oct. 1	28.21
30	28.79	Nov. 1	27.24Pc
June 1	29.03Pc	Dec. 1	27.06
July 1	29.20		

24-2W-28da3. (M-48d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 243 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.82 below lsd, May 23, 1958; lowest 56.02 below lsd, Oct. 1, 1964. Records available: 1958-65.

Feb. 1	30.95	Aug. 2	31.51
Mar. 1	34.02	Sept. 1	33.65
Apr. 1	32.65	Oct. 1	34.90
30	34.40	Nov. 1	50.60Pc
June 1	55.89Pc	Dec. 1	30.76
July 1	34.35		

24-2W-28dc1. (M-50) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 250 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 24.31 below lsd, Dec. 31, 1958; lowest 83.97 below lsd, Apr. 1, 1965. Records available: 1958-65.

Feb. 1	30.34	Aug. 2	82.00Pm
Mar. 1	30.62	Sept. 1	31.00
Apr. 1	83.97Pm	Oct. 1	29.35
30	31.65	Nov. 1	27.89
June 1	30.81	Dec. 1	83.65Pm
July 1	32.0		

24-2W-28dc2. (M-50b) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.14 below lsd, Feb. 2, 1959; lowest 28.75 below lsd, Sept. 1, 1964. Records available: 1958-65.

Feb. 1	25.65	Aug. 2	28.20Pc
Mar. 1	27.30	Sept. 1	27.25
Apr. 1	28.75Pc	Oct. 1	26.15
30	27.68	Nov. 1	25.10
June 1	27.42	Dec. 1	27.08Pc
July 1	28.10		

24-2W-28dc3. (M-50d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 243 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.65 below lsd, Jan. 23, 1958; lowest 40.83 below lsd, July 1, 1963. Records available: 1958-65.

Feb. 1	25.42	Aug. 2	36.90Pc
Mar. 1	29.76	Sept. 1	29.47
Apr. 1	38.58Pc	Oct. 1	26.75
30	30.26	Nov. 1	24.98
June 1	28.31	Dec. 1	37.16Pc
July 1	32.55		

24-2W-28dd1. (M-49) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 249 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 24.20 below lsd, Dec. 31, 1958; lowest 64.80 below lsd, Nov. 2, Dec. 31, 1964. Records available: 1958-65.

Feb. 1	28.76	Aug. 2	64.10Pm
Mar. 1	64.68Pm	Sept. 1	63.65Pm
Apr. 1	30.90	Oct. 1	29.45
30	64.66Pm	Nov. 1	28.00
June 1	31.21	Dec. 1	28.98
July 1	64.72Pm		

24-2W-28dd2. (M-49b) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 21.40 below lsd, Dec. 31, 1958; lowest 41.44 below lsd, Mar. 2, 1964. Records available: 1958-65.

Feb. 1	26.76	Aug. 2	27.03Pc
Mar. 1	26.65Pc	Sept. 1	27.76Pc
Apr. 1	26.96	Oct. 1	26.30
30	27.08Pc	Nov. 1	26.08
June 1	27.13	Dec. 1	25.91
July 1	27.32Pc		

24-2W-28dd3. (M-49d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 245 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 23.58 below lsd, Nov. 1, 1958; lowest 43.42 below lsd, July 1, 1963. Records available: 1958-65.

Feb. 1	26.87	Aug. 2	42.48Pc
Mar. 1	43.15Pc	Sept. 1	42.00Pc
Apr. 1	30.53	Oct. 1	28.77
30	42.74Pc	Nov. 1	27.16
June 1	31.52	Dec. 1	29.28
July 1	42.93Pc		

24-2W-29aaa. (1173) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.64 below lsd, July 9, 1951; lowest 24.35 below lsd, July 1, 1965. Records available: 1950-65. Apr. 2, 24.21; July 1, 24.35; Sept. 30, 24.17; Dec. 29, 23.78.

24-2W-30dcc. (3002) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.38 below lsd, Oct. 1, 1956. Records available: 1950-65. Apr. 2, 10.11; July 1, 9.69; Sept. 30, 9.25; Dec. 29, 9.02.

24-2W-31ccc. (133) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 36 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 7.18 below lsd, Sept. 30, 1965; lowest 7.62 below lsd, July 2, 1965. Records available: 1965. July 2, 7.62; Sept. 30, 7.18; Dec. 29, 7.40.

24-2W-32ddc. (3003) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 0.67 below lsd, July 9, 1951; lowest 15.97 below lsd, July 1, 1957. Records available: 1950-65. Apr. 2, 9.55; July 1, 9.11; Sept. 30, 8.10; Dec. 29, 8.48.

24-2W-35aa. (839) City of Wichita. Drilled, water-table observation well in sand of Pleistocene age; diameter 1¼ inches. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-65. Apr. 2, 24.39; July 1, 24.20; Sept. 30, 23.02; Dec. 29, 21.84.

24-2W-35ad1. (M-23) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 205 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.85 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Mar. 31, 1952. Records available: 1939-65.

Feb. 1	26.0	Aug. 2	24.0
Mar. 1	24.0	Sept. 1	23.5
Apr. 1	24.0	Oct. 1	65.0Pm
30	24.5	Nov. 1	22.0
June 1	25.0	Dec. 1	22.0
July 1	25.0		

24-2W-35ad2. (M-23b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 7.50 below lsd, Aug. 21, 1939; lowest 32.71 below lsd, May 1, 1957. Records available: 1939-65.

Feb. 1	23.76	Aug. 2	22.76
Mar. 1	23.46	Sept. 1	22.73
Apr. 1	23.60	Oct. 1	22.35Pc
30	23.65	Nov. 1	21.31
June 1	23.79	Dec. 1	21.12
July 1	23.48		

24-2W-35dd1. (M-24) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 97 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 8.71 below lsd, Aug. 21, 1939; lowest 64.50 below lsd, Mar. 1, 1957. Records available: 1939-65.

Feb. 1	25.0	Aug. 2	24.0
Mar. 1	25.0	Sept. 1	23.5
Apr. 1	48.0Pm	Oct. 1	23.0
30	47.5Pm	Nov. 1	22.0
June 1	24.5	Dec. 1	22.5
July 1	24.0		

24-2W-35dd2. (M-24b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.17 below lsd, Aug. 28, 1939; lowest 37.05 below lsd, May 1, 1957. Records available: 1939-65.

Feb. 1	26.67	Aug. 2	26.24
Mar. 1	26.69	Sept. 1	25.90
Apr. 1	27.59Pc	Oct. 1	25.30
30	27.38Pc	Nov. 1	24.60
June 1	26.90	Dec. 1	24.80
July 1	26.40		

24-2W-36dc. (M-25) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 189 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 63.50 below lsd, Aug. 1, 1961. Records available: 1939-65.

Feb. 1	22.0	Aug. 2	20.14
Mar. 1	56.0Pm	Sept. 1	58.0Pm
Apr. 1	57.0Pm	Oct. 1	19.5
30	57.5Pm	Nov. 1	18.5
June 1	58.0Pm	Dec. 1	18.0
July 1	58.0Pm		

24-3W-1ddd1. (878) C. Cadwell. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 45 feet. Measuring point, top of pipe, 0.30 foot above lsd. Highest water level 16.25 below lsd, June 3, 1940; lowest 39.15 below lsd, Sept. 30, 1965. Records available: 1938-65. Apr. 2, 34.38; July 1, 34.28; Sept. 30, 39.15; Dec. 29, 33.63.

24-3W-1ddd2. (879) C. Cadwell. Drilled, unused, water-table well in sand of Pleistocene age; diameter 1¼ inches, depth 241 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 40.59 below lsd, Oct. 30, 1959. Records available: 1938-65. Apr. 2, 39.36; July 1, 37.5; Sept. 30, 34.0; Dec. 29, 37.42.

24-3W-10bbb. (130) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 8.54 below lsd, Sept. 30, 1965; lowest 8.98 below lsd, Dec. 29, 1965. Records available: 1965. July 15, 8.57; Sept. 30, 8.54; Dec. 29, 8.98.

24-3W-10ccc. (131) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 8.85 below lsd, Sept. 30, 1965; lowest 9.33 below lsd, Dec. 29, 1965. Records available: 1965. July 15, 9.18; Sept. 30, 8.85; Dec. 29, 9.33.

24-3W-11aaa1. (M-41) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 236 feet. Measuring point, top of casing, 2.50 feet above lsd. Highest water level 21.50 below lsd, Mar. 1, 1961; lowest 131.50 below lsd, July 1, 1963. Records available: 1958-65.

Feb. 1	125.50Pm	Aug. 2	129.5Pm
Mar. 1	39.50	Sept. 1	37.5
Apr. 1	39.50	Oct. 1	130.5Pm
30	130.50Pm	Nov. 1	37.5
June 1	39.50	Dec. 1	127.5Pm
July 1	27.42		

24-3W-11aaa2. (M-41b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet.

HARVEY COUNTY—continued.

Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 11.60 below lsd, Nov. 1, 1958; lowest 16.33 below lsd, June 1, 1965. Records available: 1958-65.

Feb. 1	15.82Pc	Aug. 2	15.99Pc
Mar. 1	15.15	Sept. 1	15.91
Apr. 1	16.12	Oct. 1	14.95Pc
30	16.20Pc	Nov. 1	15.60
June 1	16.33	Dec. 1	15.49Pc
July 1	15.96		

24-3W-11aaa3. (M-41d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 223 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.63 below lsd, May 1, 1959; lowest 72.34 below lsd, July 1, 1963. Records available: 1957-65.

Feb. 1	63.10Pc	Aug. 2	65.43Pc
Mar. 1	38.39	Sept. 1	37.58
Apr. 1	38.55	Oct. 1	64.34Pc
30	65.82Pc	Nov. 1	37.20
June 1	39.00	Dec. 1	63.33Pc
July 1	26.57		

24-3W-11ad1. (M-42) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 259 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 24.50 below lsd, Dec. 31, 1958; lowest 122.42 below lsd, July 1, 1963. Records available: 1958-65.

Feb. 1	37.5	Aug. 2	46.0
Mar. 1	108.0Pm	Sept. 1	118.0Pm
Apr. 1	108.0Pm	Oct. 1	42.0
30	45.5	Nov. 1	114.0Pm
June 1	114.0Pm	Dec. 1	42.0
July 1	33.0		

24-3W-11ad2. (M-42b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.46 below lsd, Oct. 2, 1958; lowest 28.68 below lsd, Mar. 1, 1965. Records available: 1958-65.

Feb. 1	19.76	Aug. 2	19.62
Mar. 1	28.68Pc	Sept. 1	19.55Pc
Apr. 1	19.90Pc	Oct. 1	19.19
30	20.20	Nov. 1	18.90Pc
June 1	20.11Pc	Dec. 1	18.76
July 1	20.03		

24-3W-11ad3. (M-42d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 247 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 24.75 below lsd, Dec. 31, 1958; lowest 77.79 below lsd, July 1, 1963. Records available: 1958-65.

Feb. 1	42.40	Aug. 2	44.06
Mar. 1	68.40Pc	Sept. 1	65.89Pc
Apr. 1	68.55Pc	Oct. 1	41.32
30	45.93	Nov. 1	64.90Pc
June 1	69.21Pc	Dec. 1	40.84
July 1	31.03		

24-3W-11bb. (108) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.06 below lsd, July 27, 1954; lowest 13.22 below lsd, Apr. 1, 1957. Records available: 1954-65. Apr. 2, 13.18; July 1, 13.19; Sept. 30, 13.13; Dec. 29, 13.14.

24-3W-11dc1. (M-44) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 143 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 9.10 below lsd, Dec. 31, 1958; lowest 52.98 below lsd, June 1, 1965. Records available: 1958-65.

Feb. 1	48.62Pm	Aug. 2	15.60
Mar. 1	51.73Pm	Sept. 1	14.92
Apr. 1	51.90Pm	Oct. 1	14.80
30	16.49	Nov. 1	51.40Pm
June 1	52.98Pm	Dec. 1	51.93Pm
July 1	16.05		

24-3W-11dc2. (M-44b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.65 below lsd, Oct. 2, 1958; lowest 23.62 below lsd, June 1, 1965. Records available: 1958-65.

Feb. 1	23.10	June 1	23.62	Oct. 1	14.76
Mar. 1	23.36	July 1	17.33	Nov. 1	21.12
Apr. 1	23.48	Aug. 2	15.29	Dec. 1	23.56
30	16.15	Sept. 1	14.90		

24-3W-11dc3. (M-44d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 144 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 9.40 below lsd, Oct. 2, 1958; lowest 27.10 below lsd, Apr. 1, 1965. Records available: 1958-65.

Feb. 1	26.84	June 1	27.08	Oct. 1	16.65
Mar. 1	27.00	July 1	17.19	Nov. 1	24.36
Apr. 1	27.10	Aug. 2	16.83	Dec. 1	25.28
30	17.69	Sept. 1	15.55		

24-3W-11dd1. (880) Peter Miller. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 17 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 2.56 below lsd, Sept. 30, 1945; lowest dry, Mar. 2, Apr. 2, May 1, 1956, June 30, Oct. 1, Dec. 1, 31, 1964, Apr. 2, July 1, Sept. 30, Dec. 29, 1965. Records available: 1938-65. Apr. 2, dry; July 1, dry; Sept. 30, dry; Dec. 29, dry.

24-3W-11dd2. (881) Peter Miller. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 55 feet. Measuring point, top

of pipe, 1.30 feet above lsd. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 19.80 below lsd, Oct. 1, 1964. Records available: 1938-65. Apr. 2, 19.25; July 1, 19.41; Sept. 30, 18.00; Dec. 29, 17.39.

24-3W-11dd3. (M-43) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 244 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 13.20 below lsd, Feb. 2, 1959; lowest 75.45 below lsd, Apr. 30, 1965. Records available: 1958-65.

Feb. 1	71.78Pm	Aug. 2	74.30Pm
Mar. 1	23.10	Sept. 1	20.76
Apr. 1	22.60	Oct. 1	19.84
30	75.45Pm	Nov. 1	20.97
June 1	23.20	Dec. 1	20.45
July 1	75.30Pm		

24-3W-11dd4. (M-43d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 235 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 21.33 below lsd, Nov. 1, 1958; lowest 52.23 below lsd, May 1, 1959. Records available: 1958-65.

Feb. 1	23.72Pc	Aug. 2	44.80Pc
Mar. 1	38.62	Sept. 1	38.35
Apr. 1	38.85	Oct. 1	32.29
30	48.29Pc	Nov. 1	37.64
June 1	39.56	Dec. 1	32.06
July 1	41.40Pc		

24-3W-14bbb. (132) City of Wichita. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 13.26 below lsd, Sept. 30, 1965; lowest 14.0 below lsd, July 1, 1965. Records available: 1965. July 1, 14.0; Sept. 30, 13.26; Dec. 29, 13.30.

24-3W-21dda. (890a) J. F. Jorgenson. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 15 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 3.68 below lsd, July 31, 1962; lowest 9.94 below lsd, Nov. 1, 1956. Records available: 1954-65. Apr. 2, 7.88; July 1, 6.71; Sept. 30, 6.47; Dec. 29, 6.76.

24-3W-22aaa. (109) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 9.76 below lsd, Oct. 2, 1958; lowest 15.71 below lsd, Apr. 2, 1965. Records available: 1954-65. Apr. 2, 15.71; July 1, 14.62; Sept. 30, 13.67; Dec. 29, 14.28.

24-3W-23da1. (M-45) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 167 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 12.27 below lsd, Dec. 31, 1958; lowest 69.60 below lsd, Aug. 2, 1965. Records available: 1958-65.

Feb. 1	64.56Pm	Aug. 2	69.60Pm
Mar. 1	65.00Pm	Sept. 1	16.54
Apr. 1	64.47Pm	Oct. 1	64.70Pm
30	66.95Pm	Nov. 1	17.16
June 1	67.66Pm	Dec. 1	64.20Pm
July 1	67.96Pm		

24-3W-23da2. (M-45b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.64 below lsd, Oct. 2, 1958; lowest 17.02 below lsd, June 1, 1965. Records available: 1958-65.

Feb. 1	15.90Pc	Aug. 2	14.64Pc
Mar. 1	16.05Pc	Sept. 1	14.90
Apr. 1	16.25Pc	Oct. 1	14.31Pc
30	16.30Pc	Nov. 1	13.92
June 1	17.02Pc	Dec. 1	14.12Pc
July 1	15.18Pc		

24-3W-23da3. (M-45d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 152 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.08 below lsd, Oct. 2, 1958; lowest 45.00 below lsd, Oct. 1, 1964. Records available: 1958-65.

Feb. 1	43.16Pc	Aug. 2	32.62Pc
Mar. 1	43.30Pc	Sept. 1	24.19
Apr. 1	39.52Pc	Oct. 1	36.09Pc
30	38.06Pc	Nov. 1	20.55
June 1	34.86Pc	Dec. 1	38.16Pc
July 1	38.39Pc		

24-3W-23dd1. (M-46) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 109 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 10.43 below lsd, Aug. 1, 1962; lowest 48.08 below lsd, Mar 2, 1964. Records available: 1958-65.

Feb. 1	17.50	Aug. 2	16.50
Mar. 1	17.20	Sept. 1	39.98Pm
Apr. 1	18.70	Oct. 1	17.32
30	41.14Pm	Nov. 1	41.20Pm
June 1	17.78	Dec. 1	15.86
July 1	16.40		

24-3W-23dd2. (M-46b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 9.80 below lsd, Oct. 2, 1958; lowest 18.40 below lsd, Apr. 30, 1965. Records available: 1958-65.

Feb. 1	16.75	Aug. 2	15.79
Mar. 1	16.90	Sept. 1	17.41Pc
Apr. 1	17.85	Oct. 1	15.46
30	18.40Pc	Nov. 1	16.16Pc
June 1	17.21	Dec. 1	15.09
July 1	15.72		

24-3W-23dd3. (M-46d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 109 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.35 below lsd, Dec. 1, 1958; lowest 34.82 below lsd, July 31, 1964. Records available: 1958-65.

HARVEY COUNTY—concluded.

Feb. 1	29.56	Aug. 2	23.59
Mar. 1	31.30	Sept. 1	26.96Pc
Apr. 1	26.62	Oct. 1	20.80
30	29.82Pc	Nov. 1	27.65Pc
June 1	25.28	Dec. 1	25.26
July 1	30.48		

24-3W-24aaa. (3031) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.82 below lsd, Oct. 2, 1951; lowest 21.65 below lsd, Sept. 30, 1965. Records available: 1950-65. Apr. 2, 21.33; July 1, 21.59; Sept. 30, 21.65; Dec. 29, 21.20.

24-3W-24dc1. (M-47) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 146 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.63 below lsd, Feb. 2, 1959; lowest 79.83 below lsd, May 31, 1963. Records available: 1958-65.

Feb. 1	70.40Pm	Aug. 2	58.20Pm
Mar. 1	70.44Pm	Sept. 1	24.14
Apr. 1	25.07	Oct. 1	21.21
30	25.25	Nov. 1	21.57
June 1	25.11	Dec. 1	23.84
July 1	67.09Pm		

24-3W-24dc2. (M-47b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 46 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.85 below lsd, July 3, 1958; lowest 20.42 below lsd, Mar. 1, 1965. Records available: 1958-65.

Feb. 1	19.17Pc	Aug. 2	19.10Pc
Mar. 1	20.42Pc	Sept. 1	19.22
Apr. 1	20.00	Oct. 1	18.67
30	20.17	Nov. 1	18.35
June 1	19.51	Dec. 1	18.54
July 1	19.90Pc		

24-3W-24dc3. (M-47d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 128 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.61 below lsd, Oct. 2, 1958; lowest 55.38 below lsd, July 1, 1965. Records available: 1958-65.

Feb. 1	46.86Pc	Aug. 2	32.67Pc
Mar. 1	47.58Pc	Sept. 1	24.87
Apr. 1	25.40	Oct. 1	23.37
30	25.58	Nov. 1	21.94
June 1	25.89	Dec. 1	24.10
July 1	55.38Pc		

24-3W-25ccc. (110) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.85 below lsd, July 31, 1961; lowest 10.36 below lsd, Mar. 1, 1957. Records available: 1954-65. Apr. 2, 9.99; July 1, 8.80; Sept. 30, 8.67; Dec. 29, 9.00.

24-3W-27ddd. (1196) Maggie Vollwieder. Driven, water-table stock well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 19 feet. Measuring point, lower check valve, 2.10 feet above lsd. Highest water level 2.17 below lsd, June 3, 1952; lowest 7.86 below lsd, Dec. 28, 1957. Records available: 1941, 1952-65. Apr. 2, 6.29; July 1, 4.78; Sept. 30, 5.11; Dec. 29, 5.30.

24-3W-28cc. (3034) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.35 below lsd, July 9, 1951; lowest 9.01 below lsd, Oct. 1, 1956. Records available: 1950-65. Apr. 2, 6.39; July 1, 5.05; Sept. 30, 5.50; Dec. 29, 5.60.

24-3W-31ddd1. (891) Arthur McMurry. Driven, unused, water-table well in alluvium; diameter 1¼ inches, depth 7 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 0.46 below lsd, May 11, 1942; lowest dry, July 2, Aug. 31, Oct. 1, 1956. Records available: 1939-65. Apr. 2, 3.85; July 1, 1.44; Sept. 30, 2.18; Dec. 29, 3.27.

24-3W-31dd2. (892) Arthur McMurry. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 106 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.15 above lsd, May 12, 1944; lowest 5.88 below lsd, Oct. 1, 1956. Records available: 1939-65. Apr. 2, 3.23; July 1, 0.70; Sept. 30, 1.60; Dec. 29, 2.50.

24-3W-31dd3. (893) Arthur McMurry. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 163 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 0.48 above lsd, July 9, 1951; lowest 5.42 below lsd, Oct. 1, 1956. Records available: 1939-65. Apr. 2, 3.01; July 1, 0.50; Sept. 30, 1.46; Dec. 29, 2.27.

HASKELL COUNTY

27-33W-19cd. Ortha Garrison. Drilled, unused well in Ogallala Formation; diameter 16 inches, depth 324 feet. Measuring point, top of casing, 0.6 foot above lsd. Highest water level 179.40 below lsd, Oct. 15, 1965; lowest 183.29 below lsd, Aug. 3, 1965. Records available: 1956, 1965. 1956: Oct. 15, 179.40. 1965: Feb. 16, 182.78; June 2, 183.27; Aug. 3, 183.29; Nov. 16, 182.95.

28-32W-24bcc. Alta M. Weidner. Drilled irrigation well in Ogallala Formation; diameter 18 inches, depth 250 feet. Measuring point, hole inside pump base on east side, 1.00 foot above lsd. Highest water level 171.40 below lsd, July 7, 1965; lowest 180.70 below lsd, Dec. 22, 1965. Records available: 1965. Jan. 28, 180.32; July 7, 171.40; Sept. 8, 180.63; Dec. 22, 180.70.

28-32W-25cb. Owner unknown. Drilled, unused well in Ogallala Formation; diameter 4 inches, depth 200 feet. Measuring point, ½-inch hole west side of well cover plate, 0.80 foot below lsd. Highest water level 182.08 below lsd, Feb. 12, 1958; lowest 186.18 below lsd, Dec. 29, 1964. Records available: 1956-65. Mar. 8, 185.37; July 7, 185.65; Sept. 8, P; Dec. 22, P.

28-33W-21bcc. Dave Rinehart. Drilled, irrigation well in Ogallala Formation; diameter 16 inches, depth 310 feet. Measuring point, top of access pipe 0.5 foot south of pump, 0.35 foot above lsd. Highest water level 228.38 below lsd, Jan. 28, 1965; lowest approximately 236 below lsd, June 9, 1965. Records available: 1964-65. 1964: Dec. 9, 230.87. 1965: Jan. 28, 228.38; June 9, approximately 236; Sept. 8, P; Dec. 1, 229.45.

29-32W-26cb2. Kelly McClure. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth

384 feet. Measuring point, 0.70 foot above lsd. Highest water level 199.16 below lsd, Jan. 6, 1961; lowest 204.54 below lsd, Dec. 22, 1965. Records available: 1960-65. Mar. 8, 203.40; July 7, 204.05; Sept. 8, P; Dec. 22, 204.54.

29-34W-11add. M. C. Ricker. Drilled, industrial well in Ogallala Formation; diameter 16 inches, depth 505 feet. Measuring point, top edge bolt hole in north-east side pump base, 0.3 foot above lsd. Highest water level 211.22 below lsd, Dec. 1, 1965; lowest 228.80 below lsd, June 9, 1965. Records available: 1964-65. 1964: Dec. 8, 211.40. 1965: June 9, 228.80; Sept. 8, 215.93; Dec. 1, 211.22.

30-32W-11bb. Virgil Watson. Drilled, water-table irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 16 inches, depth 412 feet. Measuring point, edge of leaning 1½-inch pipe on east side of pump-head base, 0.70 foot above lsd. Highest water level 195.39 below lsd, Apr. 2, 1962; lowest 205.23 below lsd, Sept. 8, 1965. Records available: 1961-65. Jan. 28, 201.98; Mar. 8, 201.37; July 7, 201.80; Sept. 8, 205.23 (well pumping 1 mile north); Dec. 22, P.

30-34W-5bbb. Rooney and Rooney. Drilled, irrigation well in Ogallala Formation; diameter 16 inches, depth 410 feet. Measuring point, top edge of sloping pipe on east side, 0.5 foot above lsd. Highest water level 190 below lsd, Feb. 1957; lowest 236.50 below lsd, June 9, 1965. Records available: 1957, 1960, 1963-65.

1957		1963		1965	
Feb.	190	Jan.	21 225.49	June	9 236.50
1960		1964		Sept.	8 227.94
Jan.	4 232.20	Dec.	8 231.67	Dec.	1 P
Mar.	25 222.90				

HODGEMAN COUNTY

21-22W-12bcb. (3a) Harold McFadden. Bored, water-table irrigation well in alluvium; diameter 16 inches, depth 72 feet. Measuring point, hole on inside of northwest corner pump base, 1.74 feet above lsd. Highest water level 28.10 below lsd, Apr. 17, 1962; lowest 37.08 below lsd, Sept. 21, 1965. Records available: 1960-65.

Mar.	26 35.39	July	20 35.65	Oct.	25 36.52
Apr.	15 35.27	Aug.	17 36.46	Nov.	19 36.12
May	18 35.75	Sept.	21 37.08	Dec.	20 35.82
June	21 35.29				

22-22W-13cc. Bill Macey. Dug and drilled, water-table irrigation well in alluvium; diameter 60 to 20 inches, depth 50 feet. Measuring point, top of steel channel sill, 1.00 foot above lsd. Highest water level 13.81 below lsd, July 16, 1951; lowest 27.47 below lsd, Nov. 28, 1940. Records available: 1940-55, 1957-65. June 21, 22.97. Measurement discontinued.

22-22W-13ccc. William Macey. Drilled, water-table observation well in alluvium, diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 3.4 feet above lsd. Highest water level 23.70 below lsd, Dec. 20, 1965; lowest 28.46 below lsd, May 18, 1965. Records available: 1965.

Apr.	9 25.03	July	20 25.73	Oct.	25 25.06
	15 25.81	Aug.	17 28.36	Nov.	19 24.41
May	18 28.46	Sept.	21 26.30	Dec.	20 23.70
June	21 24.47				

24-26W-35cb. A. C. James. Drilled, water-table stock well in Ogallala Formation; diameter 5½ inches, depth 86 feet. Measuring point, top north side of casing, 0.60 foot above lsd. Highest water level 63.50 below lsd, Jan. 17, 1961; lowest 65.29 below lsd, Oct. 22, 1956. Records available: 1954-65. June 28, 63.59; Sept. 23, 64.19; Dec. 21, 64.00.

JACKSON COUNTY

7-13E-3cdd. U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1 inch, depth 23 feet. Measuring point, top of pipe, 3.40 feet above lsd. Highest water level 6.78 below lsd, July 7, 1964; lowest 8.66 below lsd, Oct. 2, 1964. Records available: 1963-65.

1964			1965		
Mar.	13 8.55	July	22 7.80	Jan.	4 7.89
Apr.	14 8.22	Oct.	2 8.66	Feb.	4 8.39
May	7 7.72	Nov.	2 8.30	Nov.	4 7.75
July	9 6.78		24 8.19		

7-15E-3ca. Fred Shafer. Drilled, unused, water-table well in alluvium; diameter 6 inches, depth 17 feet. Measuring point, top south side of casing, 0.40 foot above lsd. Highest water level 5.79 below lsd, Apr. 13, 1957; lowest 9.70 below lsd, Oct. 27, 1956. Records available: 1948-52, 1956-57, 1960-63, 1965. Feb. 4, 6.18.

8-13E-1ccd1. U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1 inch, depth 42 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 7.80 below lsd, July 22, 1964; lowest 14.72 below lsd, Apr. 14, 1964. Records available: 1963-65.

1964		July	22 7.80	1965	
Mar.	13 14.50	Oct.	2 11.21	Jan.	4 11.81
Apr.	14 14.72	Nov.	2 12.42	Feb.	4 12.10
May	7 13.41		24 12.12	Nov.	4 8.90

JEFFERSON COUNTY

11-18E-21cbd. Division of Water Resources. Driven observation well in alluvium; diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 4.92 below lsd, Sept. 27, 1962; lowest 10.43 below lsd, June 2, 1964. Records available: 1959-65.

Jan.	4 9.88	May	3 9.18	Sept.	1 6.42
Feb.	2 10.08	June	1 8.78	Oct.	4 5.92
Mar.	2 10.24	July	1 5.94	Nov.	1 6.28
Apr.	1 9.45	Aug.	3 5.84		30 6.84

11-19E-27bcc1. Buck Creek School. Bored observation well in terrace deposits of Pleistocene age; diameter 2 to 1¼ inches, depth 57 feet. Measuring point, top of 1¼-inch galv. iron pipe, 1.00 foot above lsd. Highest water level 23.75 below lsd, Sept. 18, 1962; lowest 29.20 below lsd, Nov. 2, 1964. Records available: 1961-65. Nov. 4, 25.40.

JEWELL COUNTY

1-6W-5ac. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 1.90 feet above lsd.

JEWELL COUNTY—*continued.*

Highest water level 10.30 below lsd, May 25, 1961; lowest 17.15 below lsd, Mar. 13, 1957. Records available: 1953-65.

Jan. 5	13.3	May 19	13.6	Oct. 6	10.9
Mar. 10	13.0	July 21	12.1	Nov. 2	11.1

1-6W-5dd2. U.S.B.R. Jetted, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 16.80 below lsd, Oct. 15, 1960; lowest 25.40 below lsd, Mar. 15, 1961. Records available: 1960-65.

Jan. 5	22.5	May 19	22.4	Oct. 6	19.2
Mar. 10	22.5	July 21	18.8	Nov. 2	19.6

1-6W-6ad. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 3.5 below lsd, Nov. 12, 1964; lowest 15.40 below lsd, Mar. 13, 1957. Records available: 1953-65.

Jan. 5	11.8	May 19	11.4	Oct. 6	9.3
Mar. 10	11.6	July 21	10.7	Nov. 2	9.5

1-6W-6bc. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.17 below lsd, Oct. 1, 1950; lowest 10.55 below lsd, Sept. 20, 1955. Records available: 1950-65.

Jan. 5	8.5	May 19	7.7	Oct. 6	5.0
Mar. 10	7.7	July 21	4.8	Nov. 2	4.7

1-6W-6cb. U.S.B.R. Driven, water-table observation well in alluvium; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 4.0 below lsd, Oct. 6, 1965; lowest 11.04 below lsd, May 24, 1956. Records available: 1953-65.

Jan. 5	8.1	May 19	7.1	Oct. 6	4.0
Mar. 10	7.2	July 21	6.1	Nov. 2	5.1

1-6W-6cc. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 39 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 15.80 below lsd, Oct. 15, 1960; lowest 28.04 below lsd, June 30, 1950. Records available: 1950-65.

Jan. 5	18.5	May 19	18.8	Oct. 6	17.4
Mar. 10	18.8	July 21	17.0	Nov. 2	17.5

1-6W-6da1. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.00 below lsd, Oct. 6, Nov. 2, 1965; lowest 19.58 below lsd, Sept. 26, 1956. Records available: 1950-65.

Jan. 5	14.0	May 19	16.8	Oct. 6	10.0
Mar. 10	14.8	July 21	10.3	Nov. 2	10.0

1-6W-6da2. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 9.0 below lsd, July 10, 1964, Oct. 6, 1965; lowest 22.23 below lsd, June 9, 1955. Records available: 1953-65.

Jan. 5	13.9	May 19	13.0	Oct. 6	9.0
Mar. 10	14.4	July 21	11.1	Nov. 2	11.0

1-6W-6db. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 4.5 below lsd, Nov. 2, 1965; lowest 15.13 below lsd, Mar. 13, 1957. Records available: 1953-65.

Jan. 5	10.4	May 19	10.7	Oct. 6	7.3
Mar. 10	10.6	July 21	8.7	Nov. 2	4.5

1-6W-6dd. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 13.5 below lsd, Oct. 6, 1965; lowest 27.56 below lsd, June 9, 1955. Records available: 1953-65.

Jan. 5	17.5	May 19	19.2	Oct. 6	13.5
Mar. 10	18.3	July 21	17.2	Nov. 2	14.0

1-6W-14da. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 80 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 51.10 below lsd, Sept. 24, 1965; lowest 61.72 below lsd, Feb. 24, 1959. Records available: 1955-65.

Jan. 5	52.03	Apr. 22	51.76	Aug. 4	51.47
Feb. 8	51.95	June 3	51.65	Sept. 3	51.28
Mar. 2	51.93	July 9	51.60	24	51.10
31	51.78				

1-6W-23ad. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 71 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 34.40 below lsd, June 29, 1965; lowest 56.50 below lsd, Mar. 28, 1956. Records available: 1955-65.

Jan. 5	40.20	Apr. 22	40.78	Aug. 4	36.14
Feb. 8	40.55	June 3	41.05	Sept. 3	36.17
Mar. 2	40.52	29	34.40	24	36.80
31	40.63				

1-6W-25bb. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 65 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 29.30 below lsd, Aug. 4, 1965; lowest 51.00 below lsd, May 3, 1956. Records available: 1955-65.

Jan. 5	34.90	Apr. 22	35.50	Aug. 4	29.30
Feb. 8	35.37	June 3	36.03	Sept. 3	29.44
Mar. 2	35.30	29	39.32	24	30.94
31	35.28				

1-6W-25bc. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches,

depth 70 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 14.70 below lsd, Aug. 8, 1963; lowest 44.77 below lsd, Sept. 1, 1955. Records available: 1955-65.

Jan. 5	16.37	Apr. 22	16.98	Aug. 4	15.85
Feb. 8	17.02	June 3	17.72	Sept. 3	15.75
Mar. 2	16.80	29	17.84	24	15.65
31	16.77				

1-6W-25cc. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 60 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.90 below lsd, Aug. 8, 1963; lowest 42.47 below lsd, Sept. 1, 1955. Records available: 1955-65.

Jan. 5	12.90	Apr. 23	13.92	Aug. 4	10.50
Feb. 8	13.47	June 3	14.64	Sept. 3	9.85
Mar. 2	13.60	July 9	14.64	24	10.56
30	13.60				

1-6W-25dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 75 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 5.23 below lsd, Nov. 7, 1962; lowest 34.33 below lsd, Sept. 1, 1955. Records available: 1955-56, 1958-65.

Jan. 5	8.35	Apr. 22	8.70	Aug. 4	6.90
Feb. 8	8.68	June 3	9.39	Sept. 3	6.35
Mar. 2	8.62	July 2	9.17	24	6.40
31	8.45				

1-6W-34ddd. U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 66 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 9.47 below lsd, Aug. 4, 1965; lowest 40.20 below lsd, Dec. 20, 1955. Records available: 1955-57, 1959, 1962-65.

Jan. 6	16.25	Apr. 23	17.75	Aug. 4	9.47
Feb. 8	17.04	June 4	18.53	Sept. 3	11.05
Mar. 2	17.20	July 9	11.43	24	12.52
31	17.20				

1-6W-35ba. U.S.B.R. Drilled and jetted well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 62 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 21.90 below lsd, Apr. 3, 1964; lowest 46.73 below lsd, Sept. 1, 1955. Records available: 1955-57, 1959-65.

Jan. 6	22.31	Apr. 23	21.97	Aug. 4	23.25
Feb. 8	22.45	June 4	22.75	Sept. 3	23.07
Mar. 2	22.33	July 9	22.92	24	22.70
31	21.95				

1-7W-1bb. U.S.G.S. Driven well in alluvium; diameter 1 1/4 inches, depth 16 feet. Measuring point, top of pipe, 4.10 feet above lsd. Highest water level 3.39 below lsd, July 24, 1951; lowest 12.17 below lsd, May 24, 1956. Records available: 1947-65.

Jan. 5	9.3	May 19	9.0	Oct. 6	8.0
Mar. 10	8.6	July 21	7.3	Nov. 2	6.7

1-7W-1db. U.S.B.R. Drilled well in alluvium; diameter 1 1/4 inches, depth 22 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 4.5 below lsd, Oct. 6, 1965; lowest 10.73 below lsd, Mar. 29, 1954. Records available: 1953-65.

Jan. 5	8.5	May 19	7.4	Oct. 6	4.5
Mar. 10	7.1	July 21	6.2	Nov. 2	5.5

1-7W-1dc. U.S.B.R. Drilled well in alluvium; diameter 1 1/4 inches, depth 22 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 1.85 below lsd, May 1, 1959; lowest 12.02 below lsd, Sept. 25, 1953. Records available: 1953-65.

Jan. 5	4.9	May 19	4.4	Oct. 6	2.5
Mar. 10	4.2	July 21	4.3	Nov. 2	3.5

1-7W-2da1. U.S.G.S. Driven well in alluvium; diameter 1 1/4 inches, depth 13 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 0.42 below lsd, July 24, 1951; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-65. Jan. 5, 5.9; Mar. 10, 4.0. Well destroyed.

1-7W-2da2. U.S.B.R. Driven well in alluvium; diameter 1 1/4 inches, depth 13 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 0.1 below lsd, Oct. 6, 1965; lowest 3.6 below lsd, July 21, 1965. Records available: 1965. July 21, 3.6; Oct. 6, 0.1 (well surrounded by water); Nov. 2, 3.3.

1-7W-4ad. U.S.B.R. Driven well in alluvium; diameter 1 1/4 inches, depth 22 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 1.3 below lsd, Mar. 10, 1965; lowest 6.91 below lsd, Aug. 17, 1954. Records available: 1953-65. Jan. 5, 2.1; Mar. 10, 1.3.

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

2-6W-2dd. U.S.B.R. Jetted well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 66 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 12.30 below lsd, Aug. 7, 1963; lowest 40.09 below lsd, June 7, 1956. Records available: 1955-65.

Jan. 6	24.87	Apr. 23	26.46	Aug. 4	19.25
Feb. 8	25.60	June 4	27.50	Sept. 3	19.07
Mar. 2	25.85	July 9	26.86	24	21.24
31	26.08				

2-6W-3db. U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 54 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.57 below lsd, July 9, 1965; lowest 38.45 below lsd, May 3, 1956. Records available: 1955-65.

Jan. 6	26.25	Apr. 23	26.00	Aug. 4	13.67
Feb. 8	26.78	June 4	27.05	Sept. 3	19.57
Mar. 2	25.90	July 9	12.57	24	21.77
31	25.60				

2-6W-4cd. U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1 1/4 inches, depth 28 feet. Measuring point, top of pipe, 2.00 feet above present

JEWELL COUNTY—concluded.

land surface (1.3 feet below original land surface datum). Highest water level 8.40 below lsd, Sept. 24, 1965; lowest 21.68 below lsd, Sept. 1, 1955. Records available: 1955-59, 1961-65.

Jan.	6	9.60	Apr.	23	10.00	Aug.	4	8.97
Feb.	5	9.90	June	4	10.34	Sept.	3	8.58
Mar.	2	9.70	July	9	9.58		24	8.40
	31	9.87						

2-6W-4dd. 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 14.75 below lsd, July 9, 1965; lowest 36.00 below lsd, Dec. 20, 1955. Records available: 1955-65.

Jan.	6	19.87	Apr.	23	20.77	Aug.	4	16.08
Feb.	8	20.34	June	4	21.73	Sept.	3	17.27
Mar.	2	20.20	July	9	14.75		24	17.62
	31	20.52						

2-6W-8aa. U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 13.36 below lsd, Nov. 2, 1962; lowest dry, Feb. 21, 1957. Records available: 1955-65.

Jan.	6	15.26	Apr.	23	15.53	Aug.	4	14.94
Feb.	8	15.55	June	4	16.00	Sept.	3	14.60
Mar.	2	15.22	July	9	15.52		24	14.20
	31	15.25						

2-6W-9bd. 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 23.40 below lsd, Apr. 7, 1965; lowest dry, Jan. 4, 1958. Records available: 1955-65.

Jan.	5	23.85	Apr.	22	23.60	Aug.	4	23.92
Feb.	8	23.93	June	3	23.90	Sept.	3	23.78
Mar.	2	23.69	July	9	23.95		24	23.55
Apr.	7	23.40						

2-6W-10cb. U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 56 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 19.46 below lsd, Aug. 7, 1963; lowest 37.76 below lsd, July 11, 1956. Records available: 1955-65.

Jan.	5	22.45	Apr.	22	23.10	Aug.	4	20.45
Feb.	8	22.95	June	3	23.63	Sept.	3	20.40
Mar.	2	22.90	July	9	21.28		24	20.80
Apr.	7	22.82						

2-6W-11da2. U.S.B.R. Drilled well in deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.76 below lsd, Oct. 9, 1962; lowest 20.80 below lsd, June 7, 1956. Records available: 1955-65.

Jan.	6	16.56	Apr.	23	16.64	Aug.	4	16.36
Feb.	8	16.96	June	4	17.77	Sept.	3	14.93
Mar.	2	16.30	July	9	17.56		24	15.35
	31	16.20						

3-9W-30ba. (12) M. W. Howe. Dug, unused, water-table well in Niobrara Chalk; diameter 36 inches, depth 88 feet, cribbed with brick. Measuring point, top of wooden platform, 1.30 feet above lsd. Highest water level 39.14 below lsd, July 24, 1951; lowest 77.79 below lsd, June 8, 1938. Records available: 1934-55, 1957, 1964. Measurement discontinued.

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

JOHNSON COUNTY

11-23E-33bac. U.S.G.S. and K.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 17.50 below lsd, Mar. 29, 1962; lowest 24.61 below lsd, June 9, 1964. Records available: 1961-65.

Feb.	8	23.75	June	17	21.91	Sept.	27	19.81
Mar.	12	23.22	July	23	19.99	Nov.	9	22.23
Apr.	28	22.69						

11-23E-33bba. U.S.G.S. and K.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 3.8 feet above lsd. Highest water level 17.93 below lsd, May 24, 1961; lowest 27.63 below lsd, Apr. 1, 1964. Records available: 1961-65.

Feb.	8	26.90	June	17	23.29	Sept.	27	22.56
Mar.	12	25.33	July	23	22.18	Nov.	9	25.32
Apr.	28	25.86						

11-23E-33bdd. U.S.G.S. and K.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 20.17 below lsd, Mar. 29, 1962; lowest 28.18 below lsd, Apr. 1, 1964. Records available: 1961-65.

Feb.	8	27.11	June	17	26.07	Sept.	27	24.31
Mar.	12	26.89	July	23	24.53	Nov.	9	24.09
Apr.	28	26.09						

12-22E-25bccb. U.S.G.S. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.8 feet above lsd. Highest water level 14.92 below lsd, July 23, 1965; lowest 21.59 below lsd, Apr. 3, 1964. Records available: 1961-65.

Feb.	8	21.14	Apr.	28	19.51	Sept.	27	15.63
Mar.	12	20.42	June	17	18.10	Nov.	9	18.26
	16	20.26	July	23	14.92			

KEARNY COUNTY

23-35W-14bd. Ted E. Miller. Drilled, water-table irrigation well in sand and gravel of Pliocene age; diameter 16 inches, depth 355 feet. Measuring point, hole in west side of pump base, 1.50 feet above lsd.

Highest water level 50 below lsd, Jan. 1953; lowest 94.05 (erroneously published previously as 95.45) below lsd, Sept. 28, 1964. Records available: 1953, 1964-65. Measurements for Mar. 23, June 25, and Sept. 28, 1965 published in error. Corrected measurements are: Mar. 23, 55.35; June 25, 57.36; Sept. 28, 94.05. 1965: Mar. 22, 77.72; Sept. 30, 77.32; Dec. 22, 80.60.

25-37W-15ab2. (13b) U.S.G.S. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 5.00 feet above lsd. Highest water level 8.06 below lsd, June 14, 1962; lowest 10.58 below lsd, Sept. 24, 1964. Records available: 1960-65. Mar. 11, 10.36.

26-37W-21dd. H. G. Webber. Drilled, artesian irrigation well in deposits of Cretaceous and Pliocene age; diameter 16 inches, depth 330 feet. Measuring point, top hole in southwest side steel pump base, 0.50 foot above lsd. Highest water level 53.39 below lsd, Jan. 12, 1959; lowest 58.92 below lsd, Feb. 24, 1965. Records available: 1958-65. Feb. 24, 58.92.

26-38W-8aa. Norman Palmquist. Drilled stock well; diameter 4 inches, depth 178 feet. Measuring point, top of 4-inch coupling on west side, 0.3 foot above lsd. Highest water level 136.23 below lsd, Jan. 8, 1964; lowest 136.68 below lsd, May 11, 1959. Records available: 1959-61, 1963-65. Feb. 24, P.

KINGMAN COUNTY

27-9W-9bb. (4) N. Lawson. Drilled, unused water-table well in sand and gravel of Pleistocene age; diameter 2 inches, depth 64 feet. Measuring point, top opening of pump, 3.00 feet above lsd. Highest water level 55.22 below lsd, Dec. 17, 1963; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-65. Mar. 22, 56.13; June 22, 56.03; Sept. 20, 56.18; Dec. 22, 56.36.

30-5W-12cca. Robert Lowery. Drilled irrigation well in sand and gravel of Pleistocene age; diameter 16 inches, depth 62 feet. Measuring point, base of irrigation pump on north side, 1.44 feet above lsd. Highest water level 21.24 below lsd, Apr. 16, 1962; lowest 24.49 below lsd, July 18, 1960. Records available: 1955, 1959-65. Mar. 22, 22.74; June 22, 22.73; Dec. 23, 22.30.

KIOWA COUNTY

27-17W-21adc. (19) C. Williamson. Drilled, water-table irrigation well in sand and gravel of Pleistocene age; diameter 18 inches, depth 85 feet. Measuring point, lower edge of pump base, 0.50 foot above lsd. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-65. Mar. 25, 32.01; June 23, 31.89; Sept. 23, 31.71; Dec. 21, 32.24.

27-18W-18ddc. (8a) Gilbert Yahn. Bored, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 14.24 below lsd, Dec. 19, 1963; lowest 17.00 below lsd, Dec. 21, 1965. Records available: 1961-65. Mar. 25, 16.69; June 23, 16.72; Sept. 23, 16.90; Dec. 21, 17.00.

27-20W-35ba. Henry Brensing. Drilled, water-table domestic and stock well in sand and gravel of Pleistocene age; diameter 6 inches, depth 56 feet. Measuring point, ½-inch hole on northwest side of casing, 0.92 foot above lsd. Highest water level 50.36 below lsd, Sept. 17, 1964; lowest 51.07 below lsd, Dec. 21, 1965. Records available: 1964-65. Mar. 25, 50.56; June 23, 50.77; Sept. 23, 50.94; Dec. 21, 51.07.

28-16W-4add. (4) H. E. Davis. Drilled, water-table domestic and irrigation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 99 feet. Measuring point, top south side of casing, 0.50 foot above lsd. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-65. Mar. 25, 68.68; June 23, 68.82; Sept. 23, 69.19; Dec. 22, 68.04.

LABETTE COUNTY

33-19E-11aa. Labette Co. Community High School. Drilled, unused, artesian well in Cotter Dolomite; diameter 4 inches, depth 1,300 feet. Measuring point, south side of pump base, 1.00 foot above lsd. Highest water level 223.40 below lsd, Oct. 27, 1965; lowest 231.50 below lsd, Apr. 12, Aug. 9, 1963. Records available: 1963-65. May 4, 225.30; Oct. 27, 223.40.

34-21E-35cc. City of Chetopa. Drilled, unused, artesian well in Roubidoux Formation; diameter 10 inches, depth 1,280 feet. Measuring point, north lip of hole in concrete platform, 1.7 feet above lsd. Highest water level 91.15 below lsd, June 24, 1964; lowest 92.56 below lsd, Oct. 27, 1965. Records available: 1964-65. June 24, 1964 measurement of 91.15 below lsd erroneously published as 92.85. 1965: May 4, 92.20; Oct. 27, 92.56.

LANE COUNTY

17-30W-13cbb. F. L. Burmeister. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 94 feet. Measuring point, top of west side of casing, 0.10 foot above lsd. Highest water level 80.55 below lsd, Apr. 7, 1964; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1948, 1950-65. Jan. 20, 83.99; Apr. 14, 85.21; July 21, 84.00; Oct. 12, 84.07.

18-27W-13ccc. C. H. Merriweather. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 94 feet. Measuring point, top southeast side of casing, 0.60 foot above lsd. Highest water level 85.77 below lsd, Oct. 3, 1962; lowest 88.99 below lsd, Sept. 19, 1958. Records available: 1948, 1950-65. Jan. 20, 88.16; Apr. 14, 85.84; July 21, 86.15; Oct. 12, 85.82.

18-28W-15ccc. C. S. and F. E. Boone. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 76 feet. Measuring point, top southwest side of casing, 0.50 foot above lsd. Highest water level 53.62 below lsd, Apr. 7, 1964; lowest 56.49 below lsd, Dec. 18, 1957. Records available: 1948, 1950-65. Jan. 20, 53.83, Apr. 14, 53.93; July 21, 54.25; Oct. 12, 53.87.

LEAVENWORTH COUNTY

8-22E-7cb. Mrs. Joe Kennedy. Dug, unused, water-table well in glacial deposits; diameter 5 feet, depth 15 feet, cribbed with rock. Measuring point, top west edge of hole in concrete plate, 1.00 foot above lsd. Highest water level 1.40 below lsd, Aug. 1, 1951; lowest 9.53 below lsd, Nov. 27, 1948. Records available: 1948-52, 1956-57, 1960-64. No measurement made in 1965.

LINCOLN COUNTY

12-8W-8cd. S. C. Meredith. Dug, unused, water-table well in Dakota Formation; diameter 4 feet, depth 29 feet, cribbed with rock. Measuring point, top of board

LINCOLN COUNTY—concluded.

platform, at land surface. Highest water level 1.58 below lsd, Apr. 3, 1959; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-59, 1961-65. Mar. 25, 10.00; June 22, 9.78; Sept. 30, 10.03.

12-8W-11cb. Jim and Ed Healy. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 4 feet, depth 32 feet, cribbed with rock. Measuring point, top of concrete curb, at land surface. Highest water level 4.76 below lsd, July 25, 1951; lowest 21.81 below lsd, Sept. 30, 1965. Records available: 1947-65. Mar. 25, 21.49; June 22, 21.02; Sept. 30, 21.81.

12-10W-21dd. F. D. Meyer. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 4 feet, depth 29 feet, cribbed with rock. Measuring point, top of concrete platform, 0.30 foot above lsd. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 28.18 below lsd, Sept. 30, 1965. Records available: 1947-61, 1963-65. Mar. 25, 27.50; June 22, 27.93; Sept. 30, 28.18.

LOGAN COUNTY

11-32W-3cca. City of Oakley. Drilled, public-supply well in Ogallala Formation; diameter 15 inches, depth 217 feet. Measuring point, hole in west side of pump base, 2.9 feet above lsd. Highest water level 90.34 below lsd, Dec. 6, 1965; low 91.17 below lsd, Sept. 8, 1965. Records available: 1965. June 17, 90.4; Sept. 8, 91.17; Dec. 6, 90.34.

11-34W-16cdb. Arthur Peterson. Drilled stock well in Ogallala Formation; depth 142 feet. Measuring point, hole in center of top of tank, 1.50 feet above lsd. Highest water level 118.40 below lsd, Oct. 9, 1962, Dec. 15, 1964; lowest 120.98 below lsd, July 13, 1961. Records available: 1959-65. Mar. 9, 118.64; June 8, 118.67; Sept. 8, 118.57; Dec. 6, 118.72.

13-32W-27aa. Owner unknown. Drilled stock well in Niobrara Chalk; diameter 5 inches, depth 49 feet. Measuring point, top of hole in lid over casing, 1.30 feet above lsd. Highest water level 39.21 below lsd, Dec. 6, 1965; lowest 41.14 below lsd, Jan. 9, 1957. Records available: 1956-65. Dec. 6, 39.21.

MCPHERSON COUNTY

17-3W-4bb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 28 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 17.05 below lsd, Sept. 22, 1952; lowest 25.00 below lsd, Aug. 19, 1957. Records available: 1950-53, 1955-65.

Mar. 25	24.14	June 23	23.63	Aug. 10	22.77
May 24	24.42	July 15	22.35	Dec. 22	22.06

17-3W-9bcc. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 8.99 below lsd, Oct. 11, 1950; lowest 22.92 below lsd, Sept. 16, 1964. Records available: 1950-53, 1955-65.

Mar. 25	22.18	June 23	21.43	Aug. 10	20.30
May 24	22.57	July 15	19.68	Dec. 22	20.34

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

0.80 foot above lsd. Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-65.

Mar. 25	27.34	June 23	26.49	Aug. 10	24.52
May 24	27.63	July 15	24.20	Dec. 22	25.82

17-3W-19ddd. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 4.50 feet above lsd. Highest water level 12.60 below lsd, Oct. 1, 1951; lowest 25.75 below lsd, May 24, 1965. Records available: 1951-65.

Mar. 25	25.60	June 23	23.58	Aug. 10	20.52
May 24	25.75	July 15	21.19	Dec. 22	23.83

17-3W-30dd. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 55 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.92 below lsd, Sept. 7, 1956. Records available: 1946-65.

Mar. 25	31.36	June 23	29.97	Aug. 10	27.10
May 24	31.35	July 15	27.07	Dec. 22	29.17

17-4W-20ddd. U.S.G.S. Jetted observation well in colluvium; diameter $\frac{3}{4}$ inch, depth 19 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 0.38 below lsd, Mar. 27, 1960; lowest dry, May 11, 1956. Records available: 1950-65.

Mar. 25	10.59	June 23	9.08	Aug. 10	9.18
May 24	10.95	July 15	6.95	Dec. 22	8.65

17-4W-25dd. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.11 below lsd, July 24, 1951; lowest 27.93 below lsd, Mar. 18, 1957. Records available: 1946-65.

Mar. 25	26.45	June 23	25.93	Aug. 10	24.09
May 24	27.30	July 15	23.95	Dec. 22	24.71

17-4W-29ccc. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 22 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 6.52 below lsd, Aug. 20, 1951; lowest 21.20 below lsd, Dec. 10, 1963. Records available: 1950-53, 1955-65.

Mar. 25	17.09	June 23	14.00	Aug. 10	12.05
May 24	17.22	July 15	11.20	Dec. 22	16.13

17-4W-31baa. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 29 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 13.06 below lsd, Aug. 20, 1951; lowest 24.85 below lsd, June 9, 1964. Records available: 1950-53, 1955-65.

Mar. 25	24.58	June 23	21.82	Aug. 10	20.17
May 24	24.74	July 15	19.95	Dec. 22	23.75

17-4W-32baa. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 8.80 below lsd, Aug. 20, 1951; lowest 23.98 below lsd, May 8, 1957. Records available: 1950-53, 1955-65.

Mar. 25	22.80	June 23	20.80	Aug. 10	18.55
May 24	23.17	July 15	18.29	Dec. 22	21.45

17-4W-33bbb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 24+ feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 11.05 below lsd, Aug. 20, 1951; lowest dry, Apr. 7, Aug. 19, 1955, Jan. 4, Sept. 7, 1956. Records available: 1950-53, 1955-65.

Mar. 25	23.80	June 23	21.70	Aug. 10	21.78
May 24	24.02	July 15	20.04	Dec. 22	22.79

17-4W-36abb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 15.23 below lsd, Aug. 20, 1951; lowest 29.69 below lsd, June 9, 1964. Records available: 1951-53, 1955-65.

Mar. 25	27.00	June 23	27.52	Aug. 10	27.09
May 24	27.58	July 15	26.05	Dec. 22	25.24

17-5W-4ddd. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 17 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.92 below lsd, Apr. 1, 1958; lowest dry, July 23, 1953, Apr. 7, 1955, May 11, July 31, Sept. 7, 1956. Records available: 1951-53, 1955-65.

Mar. 25	16.30	June 23	15.52	Aug. 10	16.00
May 24	16.52	July 15	15.30	Dec. 22	16.16

17-5W-7aad. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 6.01 below lsd, Oct. 1, 1951; lowest 16.52 below lsd, June 9, 1964. Records available: 1951-53, 1955-65.

Mar. 25	16.38	June 23	14.75	Aug. 10	12.62
May 24	16.43	July 15	13.40	Dec. 22	14.60

17-5W-7bbb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 32 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 17.88 below lsd, July 2, 1951; lowest 26.93 below lsd, May 24, 1965. Records available: 1950-53, 1955-65.

Mar. 25	26.55	June 23	26.75	Aug. 10	26.70
May 24	26.93	July 15	26.65	Dec. 22	26.32

17-5W-8ccc. U.S.G.S. Jetted observation well in alluvium; diameter $\frac{3}{4}$ inch, depth 19 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water

level 3.33 below lsd, Nov. 9, 1951; lowest 12.52 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-65.

Mar. 25	10.20	June 23	10.00	Aug. 10	9.70
May 24	10.26	July 15	9.65	Dec. 22	9.40

17-5W-8ddd. 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, 3.45 feet above lsd. Highest water level 0.90 below lsd, Oct. 1, 1951; lowest 12.14 below lsd, Sept. 7, 1956. Records available: 1950-53, 1955-65.

Mar. 25	10.93	June 23	9.10	Aug. 10	7.57
May 24	11.15	July 15	7.10	Dec. 22	10.15

17-5W-11bbb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 19 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 1.87 below lsd, Oct. 1, 1951; lowest 16.30 below lsd, Dec. 18, 1956. Records available: 1950-53, 1955-65.

Mar. 25	11.34	June 23	10.49	Aug. 10	9.73
May 24	11.68	July 15	9.13	Dec. 22	9.48

17-5W-16aaa. U.S.G.S. Jetted observation well in alluvium; diameter $\frac{3}{4}$ inch, depth 24 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 10.39 below lsd, Oct. 1, 1951; lowest 20.45 below lsd, June 9, 1964. Records available: 1951-53, 1955-65.

Mar. 25	20.25	June 23	17.18	Aug. 10	16.05
May 24	20.30	July 15	15.55	Dec. 22	19.44

17-5W-21dad. U.S.G.S. Jetted observation well in alluvium; diameter $\frac{3}{4}$ inch, depth 20 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 6.51 below lsd, Oct. 1, 1951; lowest 19.97 below lsd, Mar. 19, 1957. Records available: 1950-53, 1955-65.

Mar. 25	18.02	July 15	14.36	Dec. 22	16.79
June 23	16.20	Aug. 10	13.30		

17-5W-25aaa. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 7.51 below lsd, Oct. 1, 1951; lowest 20.90 below lsd, Oct. 23, 1950. Records available: 1950-53, 1955-65.

Mar. 25	17.25	June 23	16.24	Aug. 10	15.30
May 24	17.66	July 15	14.85	Dec. 22	15.73

17-5W-26ddd. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 30 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 5.00 below lsd, Aug. 20, 1951; lowest 21.73 below lsd, Dec. 17, 1956. Records available: 1950-65.

Mar. 25	20.58	June 23	18.94	Aug. 10	17.35
May 24	20.85	July 15	16.98	Dec. 22	19.34

MEADE COUNTY

30-27W-22cd. D. Zortman. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 8 inches, depth 20 feet. Measuring point, top of casing, 3.00 feet above lsd. Highest water level 11.73 below lsd, Apr. 22, 23, 1954; lowest 17.68 below lsd, Sept. 21, 1960. Records available: 1954-65. Mar. 3, 13.56; June 14, 13.88; Sept. 22, 14.42; Dec. 21, 12.90.

30-27W-23ab. (234) Chris Sobba. Drilled, unused, water-table well in Ogallala Formation; diameter 16 inches, depth 210 feet. Measuring point, top of casing, at land surface. Highest water level 11.47 below lsd, July 8, 11, 1956; lowest 64.10 below lsd, Aug. 18, 1963. Records available: 1939-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	18.45	18.35	18.45	18.35	18.23	18.15
Feb.	18.07	18.00	17.98	17.85	17.87	.....
Mar.	17.81	18.00	17.80	18.20	18.35	17.85
Apr.	18.42	18.05	18.11	18.45	18.91	18.92
May	18.92	18.92	18.92	18.92	18.92	18.92
June	19.15	19.01	20.00	20.72	20.97	20.90
July	18.60	17.31	17.35	17.33	17.34	17.35
Aug.	17.35	17.35	17.34	.....	.....	.....
Sept.	.....	.....	.....	.....	23.35	21.65
Oct.	21.36	19.17	19.23	19.08	18.76	18.45
Nov.	18.35	18.23	18.10	18.20	18.38	18.45
Dec.	16.92	15.88	17.05	17.85	.....	.....

30-27W-32ddd. Meade County. Driven and bored, water-table observation well in sand and gravel of Pleistocene age; diameter 2 inches, depth 18 feet. Measuring point, top east side of pipe, 2.00 feet above lsd. Highest water level 8.93 below lsd, July 7, 1953; lowest dry, Mar. 19, 1957. Records available: 1953-65. Mar. 3, 11.69; June 14, 11.75; Sept. 22, 12.12; Dec. 21, 12.31.

30-29W-28bb. Edward Pippertt. Drilled, artesian irrigation well in Ogallala Formation; diameter 16 inches, depth 400 feet. Measuring point, lower edge of sloping pipe, north side, 0.65 foot above lsd. Highest water level 132.44 below lsd, Jan. 8, 1960; lowest 133.89 below lsd, Jan. 14, 1964. Records available: 1959-64. No measurement made in 1965.

30-30W-27bb. Edith Collingwood. Drilled, water-table stock well in Ogallala Formation; diameter 4 inches, depth 160 feet. Measuring point, edge of steel casing, north side, 1.50 feet above lsd. Highest water level 127.77 below lsd, Sept. 14, 1964; lowest 135.05 below lsd, Sept. 22, 1965. Records available: 1962-65. Mar. 3, 132.63; June 14, 132.97; Sept. 22, 135.05; Dec. 21, 133.80.

32-28W-4ad. (77) J. W. Wood. Drilled, unused, water-table well in Ogallala Formation and deposits of early Pleistocene age; diameter 3 inches, depth 199 feet. Measuring point, bottom of T in 3-inch casing, 2.60 feet above lsd. Highest water level 60.18 below lsd, Mar. 19, 1952; lowest 67.12 below lsd, Sept. 9, 1943. Records available: 1939-65. Mar. 3, P; June 14, 64.73; Sept. 22, P; Dec. 21, P.

32-29W-5cc. Carl Odgers. Drilled, artesian irrigation well in sand and gravel of Pliocene and Pleistocene age; diameter 16 inches, depth 360 feet. Measuring point, lower edge of sloping pipe, 0.70 foot above lsd. Highest water level 134.60 below lsd, Jan. 9, 1963; lowest 135.90 below lsd, Jan. 14, 1964. Records available: 1959, 1961-64. No measurement made in 1965.

33-28W-29bc. Fred Borchers. Drilled, water-table irrigation well in Ogallala Formation and deposits of early Pleistocene age; diameter 16 inches, depth 160 feet. Measuring point, top northeast side of casing, 1.00 foot above lsd. Highest water level 13.10 below lsd, June 10, 1941, May 12, 1942; lowest 18.91 below lsd, Aug. 3, 1939. Records available: 1939-44, 1953-65. Jan. 28, 14.40; Mar. 3, 14.36; June 14, 14.72; Sept. 22, 15.35; Dec. 21, 14.44.

33-30W-35cb. Columbian Fuel Corp. Drilled, artesian industrial well in sand and gravel of Pliocene and Pleistocene age; diameter 10 inches, depth 420 feet. Measuring point, lower lip of 4-inch coupling on west side, 0.70 foot above lsd. Highest water level 157.18 below lsd, June 8, 1964; lowest 162.90 below lsd, Sept. 22, 1965. Records available: 1959, 1961-65. Jan. 28, 157.48; Mar. 3, 157.49; June 14, 157.40; Sept. 22, 162.90; Dec. 21, 157.50.

MITCHELL COUNTY

6-8W-34ccc. R. L. Metcalf. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 48 inches, depth 32 feet, cribbed with stone. Measuring point, top surface board platform, 0.40 foot above lsd. Highest water level 14.70 below lsd, June 30, 1962; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-65. Mar. 25, 15.70; June 21, 15.95; Sept. 30, 15.78; Dec. 21, 15.82.

6-9W-27ab. L. Lowdermilk. Dug, unused, water-table well in terrace deposits of Pleistocene age; diameter 4 feet, depth 37 feet, cribbed with rock. Measuring point, top of rock base, 0.40 foot above lsd. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1934-65.

Mar.	8	24.20	June 21	23.53	Dec. 21	23.93
	24	24.14	Sept. 30	24.32		

6-9W-36ddd. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; depth 43 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 19.05 below lsd, June 30, 1962; lowest 27.00 below lsd, June 21, 1965. Records available: 1960-65.

Jan.	5	26.6	June 21	27.00	Dec. 7	25.5
Mar.	15	26.6	Sept. 16	25.9	21	25.69
	24	26.48	30	25.60		

7-6W-27cad. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1½ inches, depth 32 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 8.9 below lsd, June 12, 1962; lowest 19.0 below lsd, Jan. 5, 1965. Records available: 1961-65.

Jan.	5	19.0	June 21	17.19	Dec. 7	17.2
Mar.	15	18.8	Sept. 16	17.0	21	17.08
	24	18.56	30	16.96		

7-7W-8baa. U.S.B.R. Bored, water-table observation well in sandy silt of Pleistocene age; diameter 1½ inches, depth 49 feet. Measuring point, top of casing, 1.50 feet above lsd. Highest water level 41.61 below lsd, Mar. 19, 1963; lowest 44.10 below lsd, Mar. 15, 1961. Records available: 1960-65.

Jan. 5	43.9	June 21	43.74	Dec. 7	43.3
Mar. 15	43.7	Sept. 16	43.5	21	43.91
	24	30	44.04		

7-7W-18dda. U.S.B.R. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of casing, 1.40 feet above lsd. Highest water level 19.95 below lsd, Sept. 18, 1961; lowest 26.8 below lsd, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	26.8	June 21	25.99	Dec. 7	25.8
Mar. 15	26.7	Sept. 16	25.1	21	25.80
	24	30	25.28		

7-7W-22abb. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 19.15 below lsd, Sept. 18, 1961; lowest 25.8 below lsd, Dec. 7, 1965. Records available: 1960-65.

Jan. 5	25.5	June 21	25.65	Dec. 7	25.8
Mar. 15	25.2	Sept. 16	25.5	21	25.76
	24	30	25.47		

7-7W-29bbb. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.20 below lsd, Sept. 14, 1964; lowest 17.08 below lsd, June 8, 1964. Records available: 1963-65. Mar. 24, 16.78; June 21, 15.99; Sept. 30, 14.41; Dec. 21, 15.96.

MORTON COUNTY

31-40W-21dc. Perry A. Williams. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 275 feet. Measuring point, hole in north side of pump base, 1.07 feet above lsd. Highest water level 155.88 below lsd, Feb. 18, 1960; lowest 162.80 below lsd, Nov. 6, 1959. Records available: 1959-64. No measurement made in 1965.

31-43W-14ddc. (22) E. A. Wilcox. Drilled, unused, water-table well in Dakota Formation; diameter 5 inches, depth 94 feet. Measuring point, top south side of casing, 1.20 feet above lsd. Highest water level 66.88 below lsd, Oct. 7, 1963; lowest 78.29 below lsd, Aug. 14, 1958. Records available: 1939-53, 1956-65. Jan. 19, 68.43; Apr. 20, 68.25; Aug. 2, P; Oct. 25, 67.97.

32-42W-21bc. Leon and Herbert Jackson. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 189 feet. Measuring point, hole in southwest side of pump base, 0.50 foot above lsd. Highest water level 83.62 below lsd, Feb. 18, 1960; lowest 134.16 below lsd, Oct. 12, 1964. Records available: 1959-65. Jan. 19, 119.17; Apr. 20, P; Aug. 2, P; Oct. 25, 118.13.

33-41W-3aa. Warren Bowker. Drilled irrigation well; diameter 16 inches, depth 304 feet. Measuring point, hole in east side pump base, 0.80 foot above lsd. Highest water level 111.20 below lsd, March 1959; lowest 121.02 below lsd, Oct. 25, 1965. Records available: 1959, 1965. 1959: March, 111.20. 1965: Oct. 25, 121.02.

35-42W-4cc. (117) W. C. Washburn. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 216 feet. Measuring point, top west side

of casing, 1.20 feet above lsd. Highest water level 152.39 below lsd, Feb. 11, 1959; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-65. Jan. 19, P; Apr. 20, 152.40; Oct. 25, P.

NEMAHA COUNTY

5-13E-9dccc. U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.57 below lsd, May 7, 1964; lowest 15.58 below lsd, Nov. 2, 1964. Records available: 1963-65.

1964		July 9	9.95	1965	
Mar. 13	9.98	22	11.62	Jan. 4	12.31
Apr. 14	9.16	Oct. 2	14.90	Feb. 4	11.99
May 7	8.57	Nov. 2	15.58	Nov. 4	9.51

5-13E-28bbb. U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 5.70 feet above lsd. Highest water level 3.40 below lsd, Nov. 4, 1965; lowest 7.51 below lsd, Nov. 2, 1964. Records available: 1963-65.

1964		July 22	4.80	1965	
Mar. 13	5.60	Jan. 4	7.05		
Apr. 14	5.40	Oct. 2	6.94	Feb. 4	7.20
May 7	4.16	Nov. 2	7.51	Nov. 4	3.40
July 9	4.12	24	7.15		

5-13E-33ddc2. U.S.G.S. and K.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 6.18 below lsd, Nov. 4, 1965; lowest water level 10.72 below lsd, July 24, 1963. Records available: 1963-65.

1964		July 22	6.37	1965	
Mar. 13	7.99	Jan. 4	8.19		
Apr. 14	8.01	Oct. 2	7.82	Feb. 4	8.41
May 7	6.86	Nov. 2	8.07	Nov. 4	6.18
July 9	5.73	24	8.11		

NESS COUNTY

18-21W-31bc. Ben Sharman. Drilled, unused, water-table domestic well in terrace deposits of Pleistocene age; diameter 5 inches, depth 46 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 38.87 below lsd, June 25, 1964; lowest 40.53 below lsd, Sept. 21, Oct. 25, 1965. Records available: 1964-65.

Mar. 26	39.56	July 20	40.09	Oct. 25	40.53
Apr. 15	39.59	Aug. 17	40.27	Nov. 19	40.25
May 18	39.78	Sept. 21	40.53	Dec. 20	40.17
June 21	39.87				

18-23W-31ab. J. H. Lieker. Drilled, water-table domestic well in terrace deposits of Pleistocene age; diameter 5 inches, depth 54 feet. Measuring point, top west side of casing, 0.30 foot above lsd. Highest water level 45.87 below lsd, July 17, 1962; lowest 49.10 below lsd, Oct. 23, 1956. Records available: 1954-65. Measurement discontinued.

NESS COUNTY—concluded.

Mar. 26	47.46	July 20	46.94	Oct. 25	46.81
Apr. 15	47.45	Aug. 17	47.03	Nov. 19	46.88
May 18	47.51	Sept. 21	46.97	Dec. 20	47.05
June 21	47.08				

19-23W-8cbb. Robert Schniepp. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 3.2 feet above lsd. Highest water level 21.19, June 21, 1965; lowest 27.23, April 9, 1965. Records available: 1965.

Apr. 9	27.23	July 20	21.63	Oct. 25	22.10
15	22.40	Aug. 17	22.06	Nov. 19	22.07
May 18	22.41	Sept. 21	22.31	Dec. 20	22.21
June 21	21.19				

20-22W-20ccc. (2) C. L. Whitley. Dug and drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 20 inches, depth 51 feet. Measuring point, top south side of concrete curb, 0.50 foot above lsd. Highest water level 17.81 below lsd, July 12, 1951; lowest 41.79* below lsd, Aug. 17, 1965. Records available: 1940-65.

Mar. 26	27.92	July 20	P	Oct. 25	27.72
Apr. 15	28.31	Aug. 17	41.79*	Nov. 19	28.37
May 18	P	Sept. 21	28.79	Dec. 20	28.60
June 21	28.14				

* Well pumping 20 feet away.

20-23W-32dc. (1) J. E. Ficken. Drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 19 inches, depth 67 feet. Measuring point, top east side of sill under pump, 2.00 feet above lsd. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-65.

Mar. 26	34.49	July 20	33.24	Oct. 25	34.09
Apr. 15	33.59	Aug. 17	34.27	Nov. 19	33.38
May 18	P	Sept. 21	34.19	Dec. 20	33.60
June 21	32.99				

NORTON COUNTY

2-21W-1bb. Verner Ross. Drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 24 inches, depth 70 feet. Measuring point, top east side of pump base, 1.30 feet above lsd. Highest water level 13.76 below lsd, July 23, 1951; lowest 44.70 below lsd, Aug. 23, 1960. Records available: 1946-65.

Jan. 8	29.9	July 22	P	Oct. 13	27.42
Mar. 2	31.1	Sept. 30	27.9	Nov. 22	24.9
May 18	27.9				

2-21W-11aa. W. B. Woods. Drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 18 inches, depth 82 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 24.37 below lsd, Oct. 23, 1951; lowest 42.10 below lsd, Feb. 15, 1957. Records available: 1945-65.

Jan. 8	36.5	July 22	P	Oct. 13	34.32
Mar. 2	34.8	Sept. 30	30.0	Nov. 22	30.3
May 18	34.0				

2-25W-36ddd. L. B. McCabe. Drilled, water-table stock well in Ogallala Formation; diameter 6 inches, depth 56 feet. Measuring point, top edge of casing, 1.00 foot above lsd. Highest water level 40.60 below lsd, Dec. 8, 1965; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954-65. Mar. 11, 41.74; June 9, 41.70; Sept. 10, P; Dec. 8, 40.60.

4-23W-11ddd. Frank Harting. Drilled, water-table stock and domestic well in Ogallala Formation; diameter 4 inches, depth 71 feet. Measuring point, hole in pump base, 0.45 foot above lsd. Highest water level 46.53 below lsd, Jan. 19, 1961; lowest 48.35 below lsd, Dec. 17, 1964. Records available: 1960-65. Mar. 11, 48.11; June 9, P; Sept. 10, 47.93; Dec. 8, 47.05.

OSBORNE COUNTY

6-11W-34aad. Wm. E. Lowdon. Dug, unused, water-table well in terrace deposits of Pleistocene age; diameter 28 inches, depth 38 feet, cribbed with rock. Measuring point, top of platform over well, 0.10 foot above lsd. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 37.07 below lsd, June 11, 1946. Records available: 1945-65. Mar. 8, 34.85; June 14, 35.17; Sept. 7, 34.48; Dec. 9, 35.07.

6-12W-7bbc. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 40 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 18.30 below lsd, Sept. 14, 1964; lowest 33.19 below lsd, Dec. 10, 1951. Records available: 1951-65.

Mar. 8	19.86	June 16	20.35	Oct. 15	18.60
Apr. 14	20.00	Aug. 20	18.70	Dec. 9	19.42
June 14	20.45	Sept. 7	18.62		

6-12W-7dcd. U.S.G.S. Jetted observation well in sand and gravel of Pleistocene age; diameter ¾ inch, depth 36 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.55 below lsd, June 19, 1951; lowest 25.57 below lsd, May 7, 1958. Records available: 1951-65.

Mar. 8	23.10	June 16	22.90	Oct. 15	22.40
Apr. 14	22.80	Aug. 20	22.20	Dec. 9	22.14
June 14	22.51	Sept. 7	22.27		

6-12W-23cdc. C. Fink. Dug, water-table domestic well in terrace deposits of Pleistocene age; diameter 36 inches, depth 30 feet, cribbed with rock. Measuring point, top south side of board platform, 0.75 foot above lsd. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-65. Mar. 8, 22.07; June 14, 22.16; Sept. 7, 22.53; Dec. 9, 22.42.

7-12W-15daa. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 36.7 below lsd, Oct. 18, 1963; lowest 44.18 below lsd, Feb. 18, 1958. Records available: 1956-65.

Feb. 4	38.6	June 12	39.3	Oct. 5	38.1
Apr. 22	39.1	Aug. 6	38.2	11	38.14

7-12W-23bcb. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 19.4 below lsd, Oct. 18, 1963; lowest 31.30 below lsd, May 17, 1956. Records available: 1956-65.

Feb. 4	25.9	June 12	27.3	Oct. 5	24.4
Apr. 22	26.9	Aug. 6	26.2	11	23.60

7-12W-28aba. C. E. Galley. Drilled, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 12 inches, depth 47 feet, tile casing. Measuring point, top surface concrete platform, 0.50 foot above lsd. Highest water level 26.44 below lsd, May 25, 1952; lowest 34.63 below lsd, Mar. 12, 1957. Records available: 1946-65. Mar. 8, 32.10; Sept. 7, 32.46; Oct. 11, 32.52; Dec. 9, 34.45.

7-13W-7aa. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 42.9 below lsd, Oct. 21, 1964; lowest 53.29 below lsd, May 27, 1957. Records available: 1956-65.

Feb. 4	44.1	June 12	45.2	Oct. 5	45.0
Apr. 15	44.9	Aug. 5	45.2	12	45.06

7-13W-7da. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 21.78 below lsd, Oct. 13, 1964; lowest 33.63 below lsd, May 27, 1957. Records available: 1956-65.

Feb. 4	25.5	June 12	26.0	Oct. 5	26.0
Apr. 15	25.8	Aug. 5	26.3	12	26.05

7-13W-10cba. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 0.70 foot above lsd. Highest water level 26.60 below lsd, Oct. 18, 1963; lowest 40.55 below lsd, Aug. 15, 1956. Records available: 1956-65.

Feb. 4	30.5	June 12	32.0	Oct. 5	31.1
Apr. 15	31.4	Aug. 5	31.8		

7-13W-13bcc. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 37.00 below lsd, Feb. 6, 1964; lowest 44.31 below lsd, May 27, 1957. Records available: 1956-65.

Feb. 4	38.1	June 12	38.5	Oct. 5	38.2
Apr. 15	38.3	Aug. 5	38.6	12	38.20

7-13W-14dd. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 5.67 below lsd, June 21, 1957; lowest 13.42 below lsd, Jan. 14, 1957. Records available: 1956-65.

Feb. 4	11.3	June 12	11.5	Oct. 5	10.8
Apr. 15	11.0	Aug. 5	11.2	12	10.83

7-13W-15bbb. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 10.50 below lsd, Oct. 18, 1963; lowest 20.86 below lsd, Apr. 18, 1957. Records available: 1956-65.

Feb. 4	13.1	June 12	14.1	Oct. 5	13.1
Apr. 15	13.6	Aug. 5	13.1	12	13.15

7-13W-15daa. J. W. Bathurst. Drilled, water-table domestic well in terrace deposits of Pleistocene age; diameter 12 inches, depth 58 feet, tile casing. Measuring point, top surface of board platform, 1.20 feet above lsd. Highest water level 29.14 below lsd, July 25, 1951; lowest 41.47 below lsd, Mar. 12, 1957. Records available: 1946-65.

Mar. 8	37.50	Sept. 7	37.45	Dec. 9	37.35
June 14	36.19	Oct. 12	37.30		

7-13W-16add. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 65 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 34.20 below lsd, Oct. 18, 1963; lowest 41.86 below lsd, Sept. 12, 1956. Records available: 1956-64. No measurement made in 1965.

7-13W-17bbc. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 14 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 4.5 below lsd, Apr. 15, 1965; lowest 9.72 below lsd, Apr. 18, 1957. Records available: 1956-65.

Feb. 4	4.7	June 12	5.5	Oct. 5	4.6
Apr. 15	4.5	Aug. 5	5.3	12	4.69

7-13W-17cbb. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 24.00 below lsd, Jan. 17, 1957; lowest 35.31 below lsd, Apr. 18, 1957. Records available: 1957-65.

Feb. 4	34	June 12	34.3	Oct. 5	34.1
Apr. 15	34	Aug. 5	34.1	12	34.14

7-14W-4aa2. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 4.50 feet above lsd. Highest water level 16.8 below lsd, Oct. 10, 1963; lowest 22.8 below lsd, June 11, 1962. Records available: 1962-65.

Feb. 3	20.1	June 11	22.4	Oct. 4	18.6
Apr. 14	21.7	Aug. 4	21.1	12	18.80

7-14W-4ad2. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 36 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 12.9 below lsd, Oct. 20, 1964; lowest 17.65 below lsd, May 8, 1962. Records available: 1962-65. Oct. 4, 15.3; Oct. 12, 14.97.

OSBORNE COUNTY—concluded.

7-14W-4dd. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 14.0 below lsd, Oct. 4, 1962; lowest 22.37 below lsd, Apr. 18, 1957. Records available: 1956-65.

Feb. 3	17	June 11	18.1	Oct. 4	16.2
Apr. 14	17.6	Aug. 4	17.3	12	16.21

7-14W-6cbb. J. A. Guttery. Drilled stock well in terrace deposits of Pleistocene age; diameter 12 inches, depth 29 feet, tile casing. Measuring point, top east side of surface board platform, 0.40 foot above lsd. Highest water level 15.35 below lsd, Sept. 14, 1964; lowest 24.89 below lsd, Dec. 19, 1956. Records available: 1946-58, 1960-65.

Mar. 8	16.54	Sept. 7	15.65	Dec. 9	P
June 14	P	Oct. 12	15.90		

7-15W-8ba. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 23.8 below lsd, Oct. 10, 1963; lowest 35.87 below lsd, Apr. 18, 1957. Records available: 1956-65.

Feb. 2	26.5	June 8	27.5	Oct. 4	25
Apr. 13	27.6	Aug. 3	25.9	11	25.22

7-15W-8cc. F. Dibble. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 4 feet, depth 25 feet, cribbed with stone. Measuring point, top surface of cement platform, 1.10 feet above lsd. Highest water level 16.35 below lsd, Oct. 10, 1963, Sept. 14, 1964; lowest 25.78 below lsd, Mar. 8, 1950. Records available: 1946-65.

Feb. 2	19.3	June 14	18.78	Oct. 11	17.24
Mar. 8	18.09	Sept. 7	16.80	Dec. 9	17.77

7-15W-12dcd. Tom Hale, Jr. Drilled, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 12 inches, depth 36 feet, tile casing. Measuring point, top south edge of casing, 1.30 feet above lsd. Highest water level 8.56 below lsd, Oct. 11, 1961, July 19, 1962; lowest 25.11 below lsd, Dec. 14, 1964. Records available: 1946-65.

Mar. 8	23.16	Sept. 7	15.18	Dec. 9	17.30
June 14	22.45	Oct. 12	15.84		

OTTAWA COUNTY

9-4W-6ccd. U.S.B.R. Bored water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 13.93 below lsd, Mar. 12, 1962; lowest 21.38 below lsd, May 14, 1960. Records available: 1960-65.

Jan. 5	20.0	June 21	19.54	Dec. 7	18.0
Mar. 15	19.9	Sept. 16	17.9	21	17.87
	26	30	17.07		

9-4W-7cdc. U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.10 below lsd, June 12, 1962; lowest 13.9 below lsd, Sept. 24, 1964. Records available: 1960-65.

Jan. 5	13.7	June 21	12.59	Dec. 7	13.0
Mar. 15	12.8	Sept. 16	13.0	21	12.86
	26	30	12.65		

9-4W-7ddd. U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 17.24 below lsd, Sept. 18, 1961; lowest 24.04 below lsd, Dec. 21, 1965. Records available: 1960-65.

Jan. 5	23.6	June 21	22.98	Dec. 7	23.9
Mar. 15	23.4	Sept. 16	23.8	21	24.04
	26	30	23.78		

9-4W-32ab. U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 5.00 below lsd, June 12, 1962; lowest 15.7 below lsd, Mar. 15, 1965. Records available: 1960-65.

Jan. 5	15.4	June 21	13.12	Dec. 7	14.8
Mar. 15	15.7	Sept. 16	14.2	21	14.03
	26	30	13.77		

9-4W-33abb. U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.34 below lsd, June 26, 1961; lowest 26.4 below lsd, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	26.4	June 21	25.32	Dec. 7	25.8
Mar. 15	26.0	Sept. 16	25.4	21	25.87
	26	30	25.50		

9-4W-33bab. U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.47 below lsd, Mar. 12, 1962; lowest 20.9 below lsd, Jan. 5, Mar. 15, 1965. Records available: 1960-65.

Jan. 5	20.9	June 21	20.55	Dec. 7	20.7
Mar. 15	20.9	Sept. 16	20.3	21	20.68
	26	30	20.27		

9-5W-1abb. U.S.B.R. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 10.64 below lsd, Sept. 18, 1961; lowest 20.6 below lsd, Jan. 5, 1965. Records available: 1960-65.

Jan. 5	20.6	June 21	18.50	Dec. 7	17.9
Mar. 15	20.4	Sept. 16	16.6	21	18.03
	26	30	16.69		

PAWNEE COUNTY

21-18W-32daa. Sanford Co-Op. Drilled, unused water-table domestic well in alluvium; diameter 5 inches, depth 73 feet. Measuring point, highest part of casing on northeast side, 0.40 foot above lsd. Highest water level 17.91 below lsd, Mar. 29, 1963; lowest 23.63 below lsd, May 18, 1965. Records available: 1963-65.

Jan. 18	23.44	May 18	23.63	Sept. 21	20.50
Feb. 17	23.33	June 21	21.07	Oct. 25	20.82
Mar. 26	23.09	July 20	21.20	Nov. 19	20.57
Apr. 15	22.99	Aug. 17	22.07	Dec. 20	20.45

21-19W-30bcc. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 69 feet. Measuring point, top of pipe, 3.6 feet above lsd. Highest water level 31.13 below lsd, Apr. 9, 1965; lowest 35.90 below lsd, May 18, 1965. Records available: 1965.

Apr. 9	31.13	July 20	34.79	Oct. 25	34.63
15	34.84	Aug. 17	35.83	Nov. 19	34.23
May 18	35.90	Sept. 21	35.13	Dec. 20	33.93
June 21	34.87				

21-19W-30cc. Kathryn Maller. Water-table irrigation well in terrace deposits; diameter 16 inches, depth 114 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 31.17 below lsd, June 22, 1960; lowest 39.99 below lsd, May 18, 1965. Records available: 1959-65. Measurement discontinued.

Jan. 18	38.19	Mar. 26	37.77	May 18	39.99
Feb. 17	38.11	Apr. 15	P		

21-20W-29bbb. E. R. Musil. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 16 inches, depth 117 feet. Measuring point, top of concrete, 0.73 foot above lsd. Highest water level 32.92 below lsd, Dec. 20, 1965; lowest 34.67 below lsd, Aug. 17, 1965. Records available: 1965.

Feb. 17	34.12	June 21	34.64	Oct. 25	33.73
Mar. 26	33.28	July 20	33.00	Nov. 19	33.20
Apr. 15	33.45	Aug. 17	34.67	Dec. 20	32.92
May 18	34.66	Sept. 21	34.36		

22-16W-6bba. (8a) Fred B. Reed. Bored, water-table observation well in alluvium; diameter 1 1/4 inches, depth 30 feet. Measuring point, top of pipe, 4.70 feet above lsd. Highest water level 15.85 below lsd, Mar. 20, 1962; lowest 18.17 below lsd, Sept. 15, 1964. Records available: 1961-65.

Jan. 18	17.57	May 18	17.30	Sept. 21	17.05
Feb. 17	17.41	June 21	17.27	Oct. 25	16.82
Mar. 26	17.38	July 20	16.49	Nov. 19	16.66
Apr. 15	17.32	Aug. 17	16.57	Dec. 20	16.64

22-17W-18aad. (7a) Ralph Lupfer. Drilled, water-table irrigation well in terrace deposits of Pleistocene age; diameter 16 inches, depth 122 feet. Measuring point, top of 1 1/2-inch pipe, 1.00 foot above lsd.

Highest water level 28.80 below lsd, Jan. 21, Feb. 19, 1964; lowest 33.80 below lsd, Aug. 26, 1964. Records available: 1964-65.

Jan. 18	32.19	May 18	31.71	Sept. 21	32.91
Feb. 17	31.74	June 21	31.07	Oct. 25	31.22
Mar. 26	31.60	July 20	32.11	Nov. 19	30.98
Apr. 15	31.56	Aug. 17	32.69	Dec. 20	30.88

PHILLIPS COUNTY

1-19W-8abd. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 86 feet. Measuring point, top of pipe, 2.0 feet above lsd. Highest water level 25.0 below lsd, Mar. 20, 1963; lowest 37.1 below lsd, July 2, 1963. Records available: 1963. Measurements for 1963 erroneously published as 1964. Measurement discontinued.

1-19W-8ccb. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 51 feet. Measuring point, top of pipe, 2.5 feet above lsd. Highest water level 24.7 below lsd, May 2, 1963; lowest 26.8 below lsd, Nov. 6, 1963. Records available: 1963. Measurements for 1963 erroneously published as 1964. Measurement discontinued.

1-19W-18bcc. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 78 feet. Measuring point, top of pipe, 2.3 feet above lsd. Highest water level 26.6 below lsd, May 2, 1963; lowest 35.7 below lsd, Sept. 9, 1963, Oct. 4, 1965. Records available: 1963, 1965. Measurements for 1963 erroneously published as 1964. No measurement made in 1964.

Jan. 7	32.9	May 18	29.2	Oct. 4	35.7
Mar. 3	32.0	July 22	34.8	Nov. 23	32.2

1-20W-24cdd. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 77 feet. Measuring point, top of pipe, 2.1 feet above lsd. Highest water level 30.5 below lsd, Mar. 15, 1963; lowest 40.8 below lsd, Sept. 3, 1964. Records available: 1963-65.

Jan. 7	38.4	May 18	36.7	Oct. 4	36.9
Mar. 3	37.0	July 22	38.8	Nov. 23	33.7

1-20W-27aaa. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 52 feet. Measuring point, top of pipe, 2.3 feet above lsd. Highest water level 31.5 below lsd, Jan. 9, 1964; lowest 37.0 below lsd, Sept. 3, 1964. Records available: 1963-65.

Jan. 7	36.4	May 18	36.2	Oct. 4	36.5
Mar. 3	36.3	July 22	35.0	Nov. 23	34.6

4-16W-26dd. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 49 feet. Measuring point, top of pipe, 2.3 feet above lsd. Highest water level 5.00 below lsd, Aug. 13, 1963; lowest 19.40 below lsd, Apr. 13, 1965. Records available: 1962-65. Apr. 13, 19.40; June 15, 18.80; Aug. 19, 14.60; Oct. 12, 16.45.

POTTAWATOMIE COUNTY

9-11E-31dcc. Div. of Water Resources. Driven, water-table observation well in alluvium; diameter $\frac{3}{4}$ inch, depth 26 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 11.84 below lsd, June 30, 1961; lowest 17.21 below lsd, Feb. 2, 1965. Records available: 1959-65.

Jan.	4	16.97	May	3	15.71	Sept.	1	14.71
Feb.	2	17.21	June	1	15.76	Oct.	4	13.49
Mar.	2	16.56	July	1	13.50	Nov.	1	13.73
Apr.	1	14.91	Aug.	3	12.96		30	14.51

10-8E-14cba. Jim Ryan. Drilled irrigation well in alluvium; diameter 18 inches, depth 68 feet. Measuring point, cutout in pump frame, 1.50 feet above lsd. Highest water level 17.91 below lsd, June 30, 1961; lowest 23.82 below lsd, Feb. 2, 1965. Records available: 1961-65.

Jan.	4	23.63	May	3	22.40	Oct.	4	20.62
Feb.	2	23.82	July	1	19.80	Nov.	1	20.60
Mar.	2	23.43	Aug.	3	19.29		30	21.27
Apr.	1	21.88	Sept.	1	21.09			

PRATT COUNTY

26-11W-13da. H. C. Jeffers. Drilled, unused well in sand and gravel of Pleistocene age; diameter 8 inches, depth 28 feet. Measuring point, top of casing, 1.00 foot above lsd. Highest water level 5.74 below lsd, Sept. 8, 1951; lowest 16.79 below lsd, Oct. 21, 1963. Records available: 1951-65. Mar. 22, 14.75; June 22, 14.22; Sept. 20, 13.73; Dec. 22, 13.66.

26-13W-34bc. George Soaken. Industrial well in sand and gravel of Pleistocene age; diameter 6 inches, depth 75 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 41.63 below lsd, July 18, 1960; lowest 46.27 below lsd, Dec. 16, 1964. Records available: 1959-65. Mar. 24, 46.04; June 23, P; Sept. 22, 44.83; Dec. 22, 44.97.

28-11W-2bc. Mr. Armitstead. Drilled industrial well in sand and gravel of Pleistocene age; diameter 6 inches, depth 66 feet. Measuring point, top north side of pipe, 0.30 foot above lsd. Highest water level 13.08 below lsd, Dec. 27, 1962; lowest 15.98 below lsd, Mar. 22, 1965. Records available: 1961-65. Mar. 22, 15.98; June 22, 14.96; Sept. 20, 15.68.

29-13W-13aa. E. R. Kessler. Drilled, unused, irrigation well in sand and gravel of Pleistocene age; diameter 10 inches, depth 119 feet. Measuring point, top south side of concrete platform, 0.40 foot above lsd. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-65. Mar. 24, 88.92; June 23, 90.02; Sept. 22, 89.87; Dec. 22, 89.68.

RAWLINS COUNTY

3-31W-7cb. Ernest Carlson. Drilled, water-table stock well in Ogallala Formation; diameter 6 inches, depth 163 feet. Measuring point, hole in east side of pump base, 0.25 foot above lsd. Highest water level 146.25 below lsd, Apr. 12, 1960; lowest 148.09 below lsd, Jan. 15, 1962. Records available: 1959-65. Mar. 10, 146.80; June 9, P; Sept. 9, 146.49; Dec. 7, P.

3-33W-3dcc. George Argabright. Drilled, water-table irrigation well in Ogallala Formation; diameter 18

inches, depth 68 feet. Measuring point, hole in north side of pump-head base, at land surface. Highest water level 20.38 below lsd, Oct. 9, 1962; lowest 26.78 below lsd, July 9, 1963. Records available: 1959-65. Mar. 10, 24.15; June 9, 23.10; Sept. 9, 21.61; Dec. 7, 20.57.

3-36W-17ccc. Clarence K. Fisher. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 300 feet. Measuring point, hole in pump base, 0.50 foot above lsd. Highest water level 195.30 below lsd, Apr. 10, 1963; lowest 211.80 below lsd, Mar. 9, 1965. Records available: 1962-65. Mar. 9, 211.80; June 8, 210.38; Sept. 8, 200.34; Dec. 7, 196.05.

4-33W-18dd. W. B. Minney. Drilled, unused water-table well in Ogallala Formation; diameter 5 inches, depth 104 feet. Measuring point, top north side of hole drilled in pump base, 1.20 feet above lsd. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 88.52 below lsd, Oct. 13, 1959, Jan. 13, 1960. Records available: 1952-65. Mar. 10, 87.96; June 9, P; Sept. 9, P; Dec. 7, 87.80.

RENO COUNTY

22-6W-33bab. City of Willowbrook. Drilled, water-table irrigation well in Pleistocene terrace deposits; diameter 12 inches, depth 44 feet. Measuring point, north edge of casing, 0.75 foot above lsd. Highest water level 6.50 below lsd, June 22, 1965; lowest 11.08 below lsd, Sept. 14, 1964. Records available: 1961-65. Mar. 22, 10.46; June 22, 6.50; Sept. 20, 9.58; Dec. 22, 9.95.

24-4W-9dd2. (855a) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 67 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 0.65 below lsd, July 1, 1957; lowest 9.45 below lsd, Oct. 1, 1956. Records available: 1938-46, 1950, 1956-65. Apr. 2, 9.14; July 1, 8.53; Sept. 30, 8.08; Dec. 29, 7.75.

REPUBLIC COUNTY

1-5W-7bb. U.S.G.S. Driven and bored, water-table observation well in alluvium; diameter $1\frac{1}{4}$ inches, depth 13 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 2.75 below lsd, Sept. 9, 1958; lowest 9.62 below lsd, Mar. 28, 1956. Records available: 1947-65.

Jan.	5	8.67	Apr.	22	7.60	Aug.	4	7.96
Feb.	8	8.50	June	3	7.98	Sept.	3	8.40
Mar.	2	7.94	July	2	7.74		24	7.63
				31	7.72			

1-5W-7cb. U.S.G.S. Bored, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 15.38 below lsd, July 24, 1951; lowest 23.13 below lsd, Apr. 24, 1957. Records available: 1947-65.

Jan.	5	19.10	Apr.	22	18.20	Aug.	4	18.00
Feb.	8	19.10	June	3	18.36	Sept.	3	18.05
Mar.	2	18.80	July	2	18.28		24	17.64
				31	18.40			

1-5W-8cb. U.S.B.R. Drilled, water-table observation well in alluvium; diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 4.97 below lsd, Sept. 9, 1958; lowest 11.41 below lsd, Feb. 21, 1957. Records available: 1955-65.

Jan. 5	9.20	Apr. 23	7.90	Aug. 4	7.75
Feb. 8	9.20	June 3	8.58	Sept. 3	8.33
Mar. 2	7.13	July 9	7.80	24	7.14
30	7.74				

1-5W-8dc. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.70 below lsd, May 3, 1951; lowest 8.57 below lsd, Sept. 1, 1955. Records available: 1950-65.

Jan. 5	2.24	Apr. 23	1.85	Aug. 4	3.70
Feb. 8	2.75	June 3	3.42	Sept. 3	4.30
Mar. 30	1.28	July 9	3.34	24	1.77

1-5W-9ba. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 38 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.70 below lsd, Apr. 21, 1960; lowest 24.22 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-65.

Jan. 6	22.7	June 23	24.1	Oct. 21	23.2
Mar. 9	23.3	July 21	23.5	Nov. 3	23.0
May 19	23.2	Sept. 29	23.4		

1-5W-14dc. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.93 below lsd, Mar. 19, 1952; lowest 12.10 below lsd, Nov. 8, 1961. Records available: 1950-56, 1958-65.

Jan. 6	7.0	June 23	5.8	Oct. 21	5.5
Mar. 9	5.7	July 21	6.0	Nov. 3	6.8
May 19	5.8	Sept. 29	6.0		

1-5W-16ddd. U.S.B.R. Jetted, water-table observation well in alluvium; diameter $1\frac{1}{4}$ inches, depth 21 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 10.49 below lsd, Aug. 14, 1962; lowest 13.90 below lsd, Oct. 4, 1961. Records available: 1961-65.

Jan. 5	13.25	Apr. 26	13.10	Aug. 4	12.73
Feb. 8	13.15	June 3	12.52	Sept. 3	13.32
Mar. 2	12.60	July 9	11.92	24	12.70
30	13.00				

1-5W-18aa. U.S.B.R. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 23 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 2.54 below lsd, Mar. 8, 1963; lowest 17.80 below lsd, Sept. 1, 1955. Records available: 1955-65.

Jan. 5	3.56	Apr. 26	3.27	Aug. 4	4.17
Feb. 8	3.75	June 3	4.28	Sept. 3	3.82
Mar. 2	2.70	July 9	3.80	24	2.67
30	2.78				

1-5W-18bb. U.S.B.R. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter

$1\frac{1}{4}$ inches, depth 28 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 15.05 below lsd, Sept. 24, 1965; lowest 23.30 below lsd, Mar. 28, 1956. Records available: 1955-65.

Jan. 5	16.18	Apr. 22	15.80	Aug. 4	15.82
Feb. 8	16.02	June 3	15.85	Sept. 3	15.66
Mar. 2	15.97	July 2	15.88	24	15.05
31	15.87				

1-5W-18cb. U.S.B.R. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 62 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 34.95 below lsd, Aug. 4, 1965; lowest 52.18 below lsd, Sept. 1, 1955. Records available: 1955-65.

Jan. 5	38.66	Apr. 22	38.74	Aug. 4	34.95
Feb. 8	38.94	June 3	39.20	Sept. 3	35.16
Mar. 2	38.32	July 2	38.07	24	35.34
31	38.52				

1-5W-18da. U.S.B.R. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 93 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 62.08 below lsd, Sept. 3, 24, 1965; lowest 79.29 below lsd, May 6, 1958. Records available: 1955-65.

Jan. 5	63.43	Apr. 26	63.75	Aug. 4	62.35
Feb. 8	63.67	June 3	64.18	Sept. 3	62.08
Mar. 2	63.69	July 9	62.88	24	62.08
30	63.65				

1-5W-19cb. U.S.B.R. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 65 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 13.35 below lsd, Aug. 19, 1964; lowest 33.85 below lsd, May 3, 1956. Records available: 1955-65.

Jan. 5	20.00	Apr. 22	21.36	Aug. 4	14.46
Feb. 8	20.86	June 3	22.10	Sept. 3	13.60
Mar. 2	20.82	July 2	21.23	24	14.72
31	21.02				

1-5W-19cc. U.S.B.R. Drilled, water-table observation 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 25.62 below lsd, Aug. 19, 1964; lowest 36.70 below lsd, Sept. 1, 1955. Records available: 1955-65.

Jan. 5	27.50	Apr. 22	27.85	Aug. 4	26.50
Feb. 8	27.86	June 3	28.50	Sept. 3	25.80
Mar. 2	27.40	July 2	28.28	24	25.88
31	27.60				

1-5W-21cc. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 13.50 below lsd, Aug. 4, 1965; lowest 22.35 below lsd, Sept. 1, 1955. Records available: 1955-65.

REPUBLIC COUNTY—*continued.*

Jan. 5	17.64	Apr. 23	17.78	Aug. 4	13.50
Feb. 8	17.78	June 3	18.16	Sept. 3	15.54
Mar. 2	17.40	July 9	16.37	27	16.30
	30				
	17.67				

1-5W-34bb. U.S.B.R. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 3.36 below lsd, Aug. 4, 1961; lowest dry, Apr. 24, 1957. Records available: 1949-65.

Jan. 5	13.41	Apr. 26	14.00	Aug. 4	4.20
Feb. 8	14.08	June 3	14.52	Sept. 3	5.10
Mar. 2	13.62	July 9	8.10	24	6.85
	30				
	13.96				

2-4W-18cc. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 36 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 3.2 below lsd, Nov. 10, 1964; lowest 18.83 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-65.

Jan. 6	13.6	June 23	12.9	Oct. 22	13.0
Mar. 9	12.7	July 21	13.3	Nov. 3	13.0
May 20	13.1	Sept. 29	12.8		

2-4W-18dc. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 44 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 15.3 below lsd, July 21, 1965; lowest 31.80 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-59, 1962-65.

Mar. 9	20.5	July 21	15.3	Oct. 22	17.3
May 20	21.2	Sept. 29	16.4	Nov. 3	17.6
June 23	19.1				

2-4W-32cc. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 0.07 below lsd, Mar. 19, 1952; lowest 13.65 below lsd, Sept. 22, 1955. Records available: 1950-56, 1958-65.

Jan. 6	8.7	June 23	7.2	Oct. 22	5.5
Mar. 9	7.6	July 21	5.2	Nov. 3	5.6
May 20	8.1	Sept. 29	5.5		

2-5W-5dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 9.85 below lsd, May 4, 1960; lowest 18.07 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 6	17.80	Apr. 26	14.90	Sept. 9	17.82
Feb. 4	17.90	June 4	16.60	29	17.96
Nov. 3	14.09	July 7	16.12	Nov. 10	17.0
	30	Aug. 5	17.50		

2-5W-6dd. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼

inches, depth 46 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 6.95 below lsd, Aug. 4, 1964; lowest 23.99 below lsd, Nov. 8, 1956. Records available: 1956-65.

Jan. 6	13.92	Apr. 26	14.55	Sept. 9	9.73
Feb. 4	14.36	June 4	14.87	29	11.05
Mar. 3	14.22	July 7	14.26	Nov. 10	12.4
	30	Aug. 5	11.17		

2-5W-7dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.11 below lsd, May 4, 1960; lowest 28.21 below lsd, May 8, 1957. Records available: 1956-65.

Jan. 6	25.90	Apr. 26	22.80	Sept. 9	23.76
Feb. 4	25.90	June 4	23.35	29	23.87
Mar. 3	24.46	30	23.42	Nov. 10	24.0
	30	Aug. 5	23.62		

2-5W-10cc. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.03 below lsd, May 4, 1960; lowest 16.99 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 6	10.87	Apr. 26	9.08	Sept. 9	11.43
Feb. 4	10.65	June 4	9.82	29	11.15
Mar. 3	9.12	30	9.76	Nov. 10	10.8
	30	Aug. 5	10.84		

2-5W-10dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 24.67 below lsd, Feb. 9, 1962; lowest 33.32 below lsd, July 12, 1956. Records available: 1956-65.

Jan. 6	30.95	Apr. 26	30.05	Sept. 9	29.42
Feb. 4	30.94	June 4	30.55	29	29.98
Mar. 3	27.93	30	30.48	Nov. 10	30.7
	30	Aug. 5	27.96		

2-5W-15dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 14.50 below lsd, Aug. 21, 1963; lowest 36.82 below lsd, May 9, 1956. Records available: 1956-65.

Jan. 6	19.03	Apr. 26	19.58	Sept. 9	16.65
Feb. 4	19.42	June 4	20.15	29	17.10
Mar. 3	19.43	July 1	20.35	Nov. 10	18.2
	30	Aug. 5	18.27		

2-5W-17aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.55 below lsd, May 4, 1960; lowest 13.67 below lsd, Feb. 20, 1957. Records available: 1956-65.

June 4	12.73	Aug. 5	12.53	Sept. 29	11.20
30	12.60	Sept. 9	11.43	Nov. 10	11.8

2-5W-18bb. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 5.32 below lsd, July 27, 1962; lowest 12.28 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 6	9.85	Apr. 26	9.40	Sept. 1	7.35
Feb. 4	10.27	June 4	9.58	29	7.90
Mar. 3	9.92	July 6	7.92	Nov. 10	8.80
30	9.73	Aug. 5	7.41		

2-5W-18dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 9.82 below lsd, July 27, 1962; lowest 18.30 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 6	16.18	Apr. 26	14.94	Sept. 1	16.08
Feb. 4	16.38	June 1	15.30	29	16.42
Mar. 3	16.15	July 6	14.90	Nov. 10	15.5
30	15.05	Aug. 5	15.45		

2-5W-19cc. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 2.90 feet above lsd. Highest water level 2.87 below lsd, Mar. 14, 1963; lowest 11.33 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	5.43	Apr. 26	4.70	Sept. 9	4.50
Feb. 3	5.87	June 4	4.70	29	4.38
Mar. 3	5.45	July 6	4.00	Nov. 9	4.4
Apr. 6	4.73	Aug. 5	4.53		

2-5W-20aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 17.72 below lsd, Feb. 10, 1960; lowest 25.65 below lsd, Sept. 20, 1956. Records available: 1956-65.

Jan. 6	20.10	Apr. 26	19.48	Sept. 9	20.77
Feb. 4	20.00	June 4	19.84	29	20.57
Mar. 3	19.45	July 7	19.88	Nov. 10	20.3
30	19.40	Aug. 5	20.30		

2-5W-20dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 3.35 below lsd, Mar. 3, 1965; lowest 17.14 below lsd, Nov. 8, 1956. Records available: 1956-65.

Jan. 6	5.41	Apr. 26	3.92	Sept. 9	7.00
Feb. 4	5.35	June 4	4.50	29	7.10
Mar. 3	3.35	July 7	3.80	Nov. 10	7.1
30	3.50	Aug. 5	7.40		

2-5W-21aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches,

depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 17.0 below lsd, Nov. 10, 1965; lowest 25.83 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	17.54	Apr. 26	17.22	Sept. 9	17.20
Feb. 4	17.43	June 4	17.20	29	17.15
Mar. 3	17.20	July 7	17.23	Nov. 10	17.0
30	17.25	Aug. 5	17.28		

2-5W-21dd. U.S.B.R. Drilled, water-table observation well; diameter 1¼ inches, depth 17 feet. Measuring point, top of pipe, 3.0 feet above lsd. Highest water level 10.38 below lsd, Apr. 6, 1965; lowest 11.68 below lsd, Oct. 7, 1964. Records available: 1964-65.

Jan. 6	11.40	Apr. 26	10.45	Sept. 9	11.62
Feb. 3	11.25	June 4	10.62	29	11.47
Mar. 3	10.40	July 7	10.52	Nov. 9	11.0
Apr. 6	10.38	Aug. 5	11.12		

2-5W-27aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 59 feet. Measuring point, top of pipe, 2.10 feet above lsd. Highest water level 22.3 below lsd, Nov. 10, 1965; lowest 34.94 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	23.67	Apr. 26	23.54	Sept. 9	23.10
Feb. 4	23.84	June 4	23.73	29	23.07
Mar. 3	23.33	July 7	23.70	Nov. 10	22.3
30	23.28	Aug. 5	23.20		

2-5W-27cc. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 16.10 below lsd, Aug. 21, 1963; lowest 29.90 below lsd, May 8, 1957. Records available: 1956-65.

Jan. 6	22.12	Apr. 26	22.40	Sept. 9	21.70
Feb. 3	22.41	June 14	22.17	29	21.70
Mar. 3	22.10	July 1	22.04	Nov. 9	22.1
Apr. 6	22.02	Aug. 5	21.57		

2-5W-28cc1. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.30 below lsd, Mar. 3, 1965; lowest 14.90 below lsd, Feb. 20, May 8, 1957. Records available: 1956-65. Jan. 6, 3.50; Feb. 3, 3.42; Mar. 3, 3.30. Well destroyed.

2-5W-28cc2. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 3.35 below lsd, Apr. 26, 1965; lowest 7.05 below lsd, Sept. 9, 1965. Records available: 1965.

Apr. 6	3.38	June 30	6.35	Sept. 29	6.43
26	3.35	Aug. 5	6.80	Nov. 9	6.7
June 4	6.23	Sept. 9	7.05		

2-5W-30aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.60 feet

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above lsd. Highest water level 19.48 below lsd, May 12, 1958; lowest 24.57 below lsd, May 8, 1957. Records available: 1956-65.

Jan. 6	22.78	Apr. 26	22.40	Sept. 9	22.32
Feb. 3	22.80	June 4	22.64	29	22.40
Mar. 3	22.72	July 7	21.89	Nov. 9	22.5
Apr. 6	22.42	Aug. 5	22.30		

2-5W-31aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 12.05 below lsd, Sept. 29, 1965; lowest 23.08 below lsd, Nov. 8, 1956. Records available: 1956-65.

Jan. 6	12.65	Apr. 26	12.35	Sept. 9	12.10
Feb. 3	12.75	June 4	12.22	29	12.05
Mar. 3	12.46	July 7	12.24	Nov. 9	12.3
Apr. 6	12.22	Aug. 5	12.10		

2-5W-31dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 10.3 below lsd, Nov. 9, 1965; lowest 22.77 below lsd, Nov. 8, 1956. Records available: 1956-58, 1961-62, 1964-65.

Jan. 6	11.80	Apr. 26	11.83	Sept. 9	10.50
Feb. 3	12.10	June 4	11.92	29	10.45
Mar. 3	12.15	July 6	12.15	Nov. 9	10.3
Apr. 6	11.80	Aug. 5	11.43		

2-5W-35dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 23.50 below lsd, Aug. 21, 1963; lowest 40.19 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 6	27.90	Apr. 26	28.58	Aug. 5	23.63
Feb. 3	28.45	June 4	28.80	Sept. 9	23.80
Mar. 3	28.54	July 6	28.80	29	24.85
Apr. 6	28.34				

2-5W-36ab. U.S.G.S. Jetted, water-table observation well in deposits of Pleistocene age; diameter ¾ inch, depth 28 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.10 below lsd, Aug. 3, 1951; lowest 22.30 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-65.

Jan. 6	17.8	June 23	18.5	Oct. 22	17.3
Mar. 9	18.4	July 21	17.2	Nov. 3	17.0
May 20	18.8	Sept. 29	17.5		

3-4W-17bb. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 22 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.00 below lsd, July 3, 1951; lowest 11.69 below lsd, Feb. 20, 1957. Records available: 1950-65.

Jan. 8	8.30	Apr. 27	7.46	Sept. 2	8.43
Feb. 3	8.25	June 14	7.24	29	8.00
Mar. 4	7.86	July 6	7.07	Nov. 10	8.0
Apr. 6	6.85	Aug. 6	7.78		

3-4W-17cc. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.20 below lsd, July 3, 1951; lowest 9.00 below lsd, Jan. 8, Feb. 3, 1965. Records available: 1950-65.

Jan. 8	9.00	Apr. 27	8.10	Aug. 6	8.00
Feb. 3	9.00	June 2	8.10	Sept. 2	8.18
Mar. 4	8.60	July 6	7.95	29	8.20
Apr. 6	8.08				

3-4W-28ab. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 43 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 17.70 below lsd, Aug. 1, 1951; lowest 28.22 below lsd, Jan. 27, 1958. Records available: 1950-56, 1958-65.

Jan. 6	27.6	July 22	27.6	Nov. 3	27.7
May 20	27.3	Sept. 29	25.9		

3-4W-29ab. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 25 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.50 below lsd, July 2, 1951; lowest 10.3 below lsd, Apr. 1, 1964, Jan. 6, 1965. Records available: 1950-56; 1958-65.

Jan. 6	10.3	May 20	9.5	Sept. 29	10.00
Mar. 9	10.1	July 22	7.7	Nov. 3	9.90

3-4W-30ba. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene and Cretaceous age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 38.65 below lsd, Feb. 12, 1962; lowest 45.06 below lsd, July 14, 1961. Records available: 1956-65.

Jan. 8	42.75	Apr. 27	41.20	Aug. 6	41.87
Feb. 3	42.84	June 2	41.60	Sept. 2	42.16
Mar. 4	40.80	July 6	41.45	Nov. 10	41.8
Apr. 6	40.72				

3-4W-32cc. U.S.G.S. Jetted, water-table observation well in deposits of Pleistocene age; diameter ¾ inch, depth 16 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 0.70 below lsd, June 13, 1951; lowest 8.84 below lsd, Mar. 21, 1957. Records available: 1950-65.

Jan. 8	7.25	Apr. 27	7.32	Aug. 6	6.52
Feb. 2	7.27	June 2	7.08	Sept. 1	6.53
Mar. 4	6.70	30	6.82	Nov. 11	6.00
Apr. 6	7.12				

3-5W-1ab. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 27 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.80 below lsd, June 15, 1951; lowest 13.73 below lsd, Nov. 8, 1956. Records available: 1950-59, 1961-65.

Jan. 7	10.66	Apr. 26	9.67	Sept. 9	9.50
Feb. 3	10.40	June 14	9.48	29	9.82
Mar. 3	10.03	July 6	9.48	Nov. 10	9.6
Apr. 6	9.63	Aug. 5	8.98		

3-5W-2ba. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.10 below lsd, Sept. 9, 1965; lowest 20.65 below lsd, Feb. 19, 1958. Records available: 1956-62, 1964-65.

Jan. 6	9.26	Apr. 26	9.00	Sept. 9	8.10
Feb. 3	9.46	June 14	8.71	29	8.12
Mar. 3	9.10	July 6	8.93	Nov. 9	8.4
Apr. 6	8.90	Aug. 5	8.28		

3-5W-3aa. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 9.71 below lsd, June 14, 1965; lowest 18.81 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	11.22	Apr. 26	10.20	Sept. 9	10.32
Feb. 3	11.47	June 14	9.71	29	10.24
Mar. 3	10.59	July 6	9.85	Nov. 9	10.2
Apr. 6	10.08	Aug. 5	10.35		

3-5W-3cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.95 below lsd, Apr. 6, 1965; lowest 28.00 below lsd, Sept. 5, 1957. Records available: 1956-65.

Jan. 6	14.60	Apr. 26	14.14	Sept. 9	14.45
Feb. 3	14.68	June 14	14.05	29	14.30
Mar. 3	14.22	July 6	14.15	Nov. 9	14.2
Apr. 6	13.95	Aug. 5	14.60		

3-5W-4aa. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 47 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 5.74 below lsd, Sept. 19, 1962; lowest 25.47 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	7.40	Apr. 26	7.23	Sept. 9	7.80
Feb. 3	7.50	June 14	7.30	29	7.80
Mar. 3	7.45	July 1	7.35	Nov. 9	7.80
Apr. 6	7.18	Aug. 5	7.56		

3-5W-5aa. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 1.90 feet above lsd. Highest water level 5.35 below lsd, Sept. 14, 1961; lowest 16.09 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 6	7.10	Apr. 26	6.50	Sept. 9	6.10
Feb. 3	7.14	June 14	6.28	29	6.18
Mar. 3	6.40	July 6	6.40	Nov. 9	6.2
Apr. 6	6.00	Aug. 5	6.00		

3-5W-5dd. U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 55 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 13.52 below lsd, Sept. 14, 1961; lowest 24.10 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 6	18.00	Apr. 26	16.55	Sept. 9	17.93
Feb. 3	17.95	June 14	16.29	29	17.47
Mar. 3	16.32	July 6	16.65	Nov. 9	18.2
Apr. 6	16.10	Aug. 5	17.77		

3-5W-6dd. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 36 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 7.93 below lsd, Apr. 6, 1965; lowest 21.78 below lsd, Nov. 8, 1956. Records available: 1956-65.

Jan. 6	9.17	Apr. 26	8.82	Sept. 9	8.43
Feb. 3	9.45	June 14	8.40	29	8.35
Mar. 3	8.43	July 6	8.90	Nov. 9	8.9
Apr. 6	7.93	Aug. 5	9.00		

3-5W-8cc2. (formerly reported as 3-5-8cc) U.S.B.R. Drilled, water-table observation well in deposits of Pleistocene and Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 1.93 below lsd, Sept. 15, 1961; lowest dry, Feb. 20, May 8, 1957. Records available: 1956-62. Measurement discontinued. Measurements for the years 1963 and 1964 should be deleted as they were erroneously reported for this well. Replacement is well 3-5W-8cc3.

3-5W-8cc3. U.S.B.R. Drilled, water-table well in deposits of Pleistocene and Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 4.22 feet above lsd. Highest water level 5.13 below lsd, Sept. 9, 29, 1965; lowest 9.81 below lsd, July 1, 1964. Records available: 1963-65.

1963		Aug. 5	7.53	Feb. 3	8.78
Mar. 15	6.34	17	7.21	Mar. 3	7.42
Apr. 15	6.35	Sept. 9	6.40	Apr. 6	7.78
May 17	6.33	Apr. 8	9.48	26	8.03
June 20	6.88	July 1	9.81	June 14	7.70
Aug. 21	6.88	Oct. 8	6.42	30	6.71
Sept. 18	6.98	Nov. 4	7.09	Aug. 5	5.68
Nov. 19	7.18	Dec. 2	7.65	Sept. 9	5.13
1964		1965		29	5.13
Mar. 6	9.08	Jan. 6	8.40	Nov. 10	6.28

3-5W-10aa. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.40 below lsd, Aug. 21, 1963; lowest 26.49 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	13.55	Apr. 26	13.22	Sept. 9	13.00
Feb. 3	13.58	June 14	13.14	29	12.76
Mar. 3	13.40	30	13.22	Nov. 9	12.8
Apr. 6	13.18	Aug. 5	13.15		

3-5W-12aa. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 14.46 below lsd, Sept. 15, 1961; lowest 20.37 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 6	16.18	Apr. 26	15.70	Sept. 9	14.95
Feb. 3	16.30	June 14	15.80	29	15.24
Mar. 3	15.95	July 6	15.32	Nov. 10	15.5
Apr. 6	15.63	Aug. 5	15.03		

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3-5W-12bb. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 2.87 below lsd, Sept. 14, 1961; lowest 20.37 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 6	9.50	Apr. 26	9.60	Sept. 9	9.12
Feb. 3	9.90	June 14	9.20	29	9.52
Mar. 3	9.58	July 6	9.15	Nov. 9	10.1
Apr. 6	9.57	Aug. 5	8.13		

3-5W-12cd. U.S.B.R. Driven, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 9.43 below lsd, Sept. 9, 1965; lowest 29.50 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 7	13.85	Apr. 26	14.15	Sept. 9	9.43
Feb. 3	14.47	June 14	14.15	29	10.25
Mar. 3	13.80	30	14.18	Nov. 10	11.3
Apr. 6	14.00	Aug. 5	10.98		

3-5W-13cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.15 below lsd, Aug. 6, 1965; lowest 19.68 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	4.34	Apr. 27	3.95	Sept. 2	1.89
Feb. 3	4.83	June 2	3.68	29	2.45
Mar. 4	3.51	30	2.86	Nov. 10	3.3
Apr. 6	3.24	Aug. 6	1.15		

3-5W-14cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 9.18 below lsd, Aug. 6, 1965; lowest 27.52 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 8	11.60	Apr. 27	12.40	Sept. 2	9.80
Feb. 3	12.24	June 2	12.25	29	9.90
Mar. 4	12.05	July 6	12.04	Nov. 10	10.4
Apr. 6	12.11	Aug. 6	9.18		

3-5W-16bb. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 68 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 8.10 below lsd, Aug. 21, 1963; lowest 31.55 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 7	16.00	Apr. 26	17.18	Sept. 9	11.32
Feb. 3	16.90	June 14	17.00	29	13.14
Mar. 3	16.55	30	15.80	Nov. 10	14.2
Apr. 6	16.80	Aug. 5	11.13		

3-5W-16cd. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 54 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 11.77 below lsd, Sept. 2,

1965; lowest 30.16 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 8	13.51	Apr. 27	13.38	Sept. 2	11.77
Feb. 3	13.91	June 2	13.55	29	11.90
Mar. 3	13.40	July 6	13.27	Nov. 10	12.3
Apr. 6	13.36	Aug. 6	12.15		

3-5W-16dd. U.S.B.R. Bored, water-table observation well in alluvium; diameter 1¼ inches, depth 9 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 0.20 above lsd, Sept. 15, 1961; lowest dry, entire year of 1957. Records available: 1949-65.

Jan. 8	3.86	Apr. 27	2.90	Sept. 2	2.58
Feb. 3	3.85	June 2	3.04	29	2.92
Mar. 4	1.58	July 6	1.46	Nov. 10	3.3
Apr. 6	2.12	Aug. 6	1.40		

3-5W-18cd. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.46 below lsd, Sept. 15, 1961; lowest 16.70 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 7	11.70	Apr. 26	8.91	Aug. 5	10.40
Feb. 3	11.65	June 14	9.75	Sept. 9	10.40
Mar. 3	9.43	July 6	9.18	Nov. 10	10.8
Apr. 6	8.91				

3-5W-18dd. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 11.5 below lsd, Nov. 10, 1965; lowest 24.56 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 7	13.40	Apr. 26	12.75	Aug. 5	12.24
Feb. 3	13.54	June 14	12.63	Sept. 9	11.78
Mar. 3	13.40	July 6	12.50	Nov. 10	11.5
Apr. 6	12.87				

3-5W-20ab. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.52 below lsd, Aug. 17, 1964; lowest 25.59 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 7	10.36	Apr. 26	9.08	Sept. 9	8.40
Feb. 3	10.42	June 14	8.95	29	8.80
Mar. 3	8.74	July 6	7.92	Nov. 10	9.5
Apr. 6	8.90	Aug. 5	8.55		

3-5W-20cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 7.00 below lsd, Aug. 5, 1964; lowest dry, entire year of 1957, Feb. 9, 1959. Records available: 1956-65.

Jan. 8	11.80	Apr. 27	11.58	Aug. 6	7.77
Feb. 3	12.01	June 2	11.75	Sept. 1	8.77
Mar. 4	11.43	30	10.07	Nov. 11	10.9
Apr. 6	11.37				

3-5W-21cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 5.80 below lsd, Sept. 1, 1965; lowest 27.99 below lsd, Feb. 19, 1958. Records available: 1956-65.

Jan. 8	8.85	Apr. 27	8.10	Aug. 6	5.86
Feb. 3	9.06	June 2	7.84	Sept. 1	5.80
Mar. 4	8.25	30	7.10	Nov. 11	6.7
Apr. 6	7.82				

3-5W-21dd. U.S.B.R. Bored, water-table observation well in deposits of Pleistocene age; diameter 1¼ inches, depth 16 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.00 above lsd, Aug. 6, 1965; lowest dry, entire year of 1957. Records available: 1949-65.

Jan. 7	0.97	Apr. 27	1.23	Aug. 6	+2.00
Feb. 3	1.29	June 2	1.30	Sept. 1	+1.50
Mar. 3	0.55	July 6	+0.17	Nov. 11	+1.30
Apr. 6	0.62				

3-5W-22cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 4.47 below lsd, July 31, 1962; lowest dry, May 8, 1957. Records available: 1956-65.

Jan. 8	12.11	Apr. 27	12.58	Aug. 6	5.30
Feb. 3	12.50	June 2	12.76	Sept. 2	8.04
Mar. 4	11.80	30	9.90	Nov. 10	11.0
Apr. 6	12.10				

3-5W-33cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 6.91 below lsd, Aug. 17, 1964; lowest 23.61 below lsd, Feb. 20, 1957. Records available: 1956-65.

Jan. 8	12.14	Apr. 27	12.66	Aug. 6	7.38
Feb. 2	12.50	June 2	12.60	Sept. 1	8.32
Mar. 4	12.42	30	11.60	Nov. 11	11.2
Apr. 6	12.52				

3-5W-35bb. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 5.80 below lsd, Sept. 15, 1961; lowest 22.20 below lsd, Sept. 5, 1957. Records available: 1956-65.

Jan. 8	9.23	Apr. 27	8.82	Aug. 6	8.48
Feb. 2	9.25	June 2	9.15	Sept. 1	8.47
Mar. 4	7.93	30	8.42	Nov. 11	8.3
Apr. 6	8.50				

4-4W-4cc. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 20 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 4.50 below lsd, July 2, 1951; lowest 12.8 below lsd, Apr. 1, Sept. 10, 1964. Records available: 1950-56, 1958-65.

Jan. 6	11.7	May 20	7.3	Sept. 29	12.3
Mar. 9	10.6	July 22	10.5		

4-4W-5aa. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 34 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 1.80 below lsd, Aug. 1, 1951; lowest 9.5 below lsd, July 10, 1964. Records available: 1950-56, 1958-65.

Jan. 6	6.7	May 20	6.5	Sept. 29	6.70
Mar. 9	5.8	July 22	5.9	Nov. 3	4.80

4-4W-6dc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 55 feet. Measuring point, top of pipe, 2.20 feet above lsd. Highest water level 37.25 below lsd, Sept. 1, 1965; lowest 51.50 below lsd, Feb. 9, 1959. Records available: 1956-65.

Jan. 8	41.90	Apr. 27	42.18	Aug. 6	37.28
Feb. 2	42.04	June 2	42.36	Sept. 1	37.25
Mar. 4	41.98	July 1	42.48	Nov. 11	39.2
Apr. 7	41.92				

4-4W-17dc. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 2.00 below lsd, June 13, 1951; lowest 7.6 below lsd, Nov. 10, 1964. Records available: 1950-56, 1958-65.

Jan. 6	7.2	May 20	7.0	Sept. 29	6.7
Mar. 9	6.5	July 22	5.6	Nov. 3	5.5

4-4W-21aa. U.S.G.S. Jetted, water-table observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 45 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 7.00 below lsd, Aug. 1, 1951; lowest 19.15 below lsd, July 18, 1956. Records available: 1950-56, 1958-65.

Jan. 6	16.4	May 20	15.3	Sept. 29	16.0
Mar. 9	15.5	July 22	14.3	Nov. 3	15.8

4-4W-28cc. U.S.G.S. Jetted, water-table observation well in alluvium; diameter ¾ inch, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 1.30 below lsd, Aug. 1, 1951; lowest dry, entire year of 1953. Records available: 1950-56, 1958, 1960-65. May 20, 8.5; July 22, 5.8; Sept. 29, 8.0; Nov. 3, 6.8.

4-5W-1dd. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 63 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 12.0 below lsd, Nov. 11, 1965; lowest 27.53 below lsd, Feb. 9, 1959. Records available: 1956-65.

Jan. 8	13.27	Apr. 27	13.15	Aug. 6	13.20
Feb. 2	13.42	June 2	13.18	Sept. 1	12.55
Mar. 4	12.66	July 1	13.02	Nov. 11	12.0
Apr. 7	12.96				

4-5W-2cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches,

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depth 44 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.97 below lsd, May 14, 1962; lowest 25.75 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	16.05	Apr. 27	14.34	Aug. 6	15.45
Feb. 2	15.82	June 2	15.01	Sept. 1	15.95
Apr. 6	14.16	30	14.50	Nov. 11	12.2

4-5W-4dd. U.S.B.R. Driven, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.33 below lsd, Aug. 17, 1964; lowest 17.61 below lsd, Sept. 20, 1956. Records available: 1956-65.

Jan. 8	5.15	Apr. 27	4.88	Aug. 6	3.37
Feb. 2	5.30	June 2	5.30	Sept. 1	3.34
Mar. 4	3.90	30	4.00	Nov. 11	4.00
Apr. 6	4.18				

4-5W-5dd. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 7.16 below lsd, Sept. 18, 1961; lowest dry, Feb. 20, 1957. Records available: 1956-65.

Jan. 8	15.24	Apr. 27	16.32	Aug. 6	8.12
Feb. 2	15.80	June 2	16.70	Sept. 1	8.40
Mar. 4	15.70	30	11.90	Nov. 11	12.9
Apr. 6	16.07				

4-5W-9cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 6.10 below lsd, Aug. 22, 1963; lowest 17.04 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	12.50	Apr. 27	13.54	Aug. 6	9.90
Feb. 2	12.86	June 2	13.85	Sept. 1	9.93
Mar. 4	12.35	July 1	12.88	Nov. 11	11.4
Apr. 7	13.15				

4-5W-11cc. U.S.B.R. Drilled, water-supply observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.12 below lsd, May 10, 1960; lowest 19.50 below lsd, May 8, 1957. Records available: 1956-65.

Jan. 8	14.35	Apr. 27	13.41	Aug. 6	13.46
Feb. 2	14.62	June 2	13.60	Sept. 1	13.90
Mar. 4	13.00	July 1	12.92	Nov. 11	13.50
Apr. 7	13.17				

4-5W-15bb. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 35 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 18.94 below lsd, Aug. 5, 1964; lowest 28.88 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	21.00	Apr. 27	21.15	Aug. 6	19.32
Feb. 2	21.18	June 2	21.23	Sept. 1	19.15
Mar. 4	20.55	July 1	20.40	Nov. 11	19.4
Apr. 7	20.90				

4-5W-15cc. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 19 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 0.68 below lsd, Feb. 10, 1960; lowest 13.65 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	7.07	Apr. 27	4.17	Aug. 6	3.40
Feb. 2	6.59	June 2	4.05	Sept. 1	3.95
Mar. 4	3.24	July 1	1.22	Nov. 11	4.1
Apr. 7	3.23				

4-5W-15dd. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 16.60 below lsd, July 31, 1962; lowest 22.10 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	19.70	Apr. 27	18.55	Aug. 6	18.10
Feb. 2	19.87	June 2	18.50	Sept. 1	18.50
Mar. 4	19.55	July 1	18.10	Nov. 11	17.8
Apr. 7	18.36				

4-5W-17bb. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 23 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 17.88 below lsd, July 17, 1961; lowest dry, May 8, 1957. Records available: 1956-65.

Jan. 8	19.50	Apr. 26	19.28	Aug. 6	18.80
Feb. 2	19.73	June 2	19.24	Sept. 1	18.90
Mar. 4	19.05	July 1	18.60	Nov. 11	18.9
Apr. 7	19.05				

4-5W-23aa. U.S.B.R. Drilled, water-table observation well in deposits of Cretaceous age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 5.03 below lsd, Sept. 18, 1961; lowest 16.20 below lsd, Mar. 21, 1957. Records available: 1956-65.

Jan. 8	10.80	Apr. 27	8.12	Aug. 6	7.98
Feb. 2	11.09	June 2	8.36	Sept. 1	8.45
Mar. 4	8.63	July 1	7.23	Nov. 11	8.80
Apr. 7	7.60				

RICE COUNTY

19-10W-20ad. John Probst. Drilled industrial well in sand and gravel of Pleistocene age; diameter 6 inches, depth 69 feet. Measuring point, top of casing, 0.10 foot above lsd. Highest water level 4.58 below lsd, Aug. 22, 1963; lowest 16.59 below lsd, Mar. 22, 1965. Records available: 1959-65. Mar. 22, 16.59; June 22, 14.14; Sept. 20, 13.57; Dec. 20, 13.62.

20-9W-12dda. David C. Griffin. Driven domestic well in alluvium; diameter 1½ inches, depth 32 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest

water level 9.83 below lsd, June 22, 1965; lowest 14.63 below lsd, Sept. 14, 1964. Records available: 1960-65. Mar. 22, 13.64; June 22, 9.83; Sept. 20, 12.45; Dec. 20, 12.68.

ROOKS COUNTY

7-16W-9ddb. Ed V. Jones. Drilled irrigation well in alluvium; diameter 16 inches, depth 66 feet. Measuring point, breather pipe on north side pump base, 1.30 feet above lsd. Highest water level 39.58 below lsd, Dec. 15, 1962; lowest 50.52 below lsd, Apr. 7, 1959. Records available: 1958-65.

Mar. 8	43.08	Sept. 7	44.23	Dec. 9	43.88
June 14	43.84	Oct. 11	44.07		

7-17W-13cbb. Roy Ballard. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 49 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 39.35 below lsd, Nov. 21, 1961; lowest 46.86 below lsd, Oct. 12, 1965. Records available: 1960-65.

Mar. 8	46.58	Sept. 7	46.77	Dec. 9	46.82
June 14	46.83	Oct. 12	46.86		

7-17W-13cbc. Roy Ballard. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1 1/4 inches, depth 47 feet. Measuring point, top of pipe, 4.30 feet above lsd. Highest water level 20.66 below lsd, July 19, Aug. 16, 1962; lowest 25.13 below lsd, Dec. 9, 1965. Records available: 1960-65.

Mar. 8	24.98	Sept. 7	25.05	Dec. 9	25.13
June 15	24.37	Oct. 12	25.06		

7-17W-24bbb. Roy Ballard. Drilled, water-table stock well in alluvium; diameter 10 inches, depth 31 feet. Measuring point, top northwest side casing, 0.80 foot above lsd. Highest water level 10.15 below lsd, June 14, 1961; lowest 15.39 below lsd, Sept. 14, 1959. Records available: 1958-65.

Mar. 8	14.92	Sept. 7	14.64	Oct. 12	14.94
June 14	14.27	9	14.76		

7-17W-24bbc. Roy Ballard. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 30 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 7.66 below lsd, June 14, 1961; lowest 11.55 below lsd, Oct. 13, 1964. Records available: 1960-65.

Mar. 8	11.28	Sept. 7	10.76	Dec. 9	11.12
June 14	10.33	Oct. 12	11.30		

7-17W-24bcc. Roy Ballard. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 22 feet. Measuring point, top of pipe, at land surface. Highest water level 5.09 below lsd, July 10, 1961; lowest 9.07 below lsd, Dec. 14, 1964. Records available: 1960-65.

Mar. 8	8.94	Sept. 7	8.49	Dec. 9	8.64
June 14	8.03	Oct. 12	8.87		

7-18W-24ac. Reid Baxter. Drilled domestic well in alluvium; diameter 6 inches, depth 30 feet. Measuring point, top east side casing, 0.50 foot above lsd. Highest water level 21.70 below lsd, Apr. 16, 1962; lowest 26.20 below lsd, Dec. 16, 1963. Records available: 1958-64. Measurement discontinued.

7-18W-24db. Leon Hamilton. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 20 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 17.43 below lsd, Aug. 11, 1960; lowest 19.45 below lsd, Sept. 16, Oct. 13, 1964. Records available: 1960-65. Mar. 12, 18.62. Well destroyed.

7-18W-24dcc. Dale Shelton. Drilled, water-table observation well in alluvium; diameter 1 1/4 inches, depth 24 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 8.74 below lsd, June 14, 1961; lowest 12.95 below lsd, Sept. 16, 1964. Records available: 1960-65.

Mar. 12	12.20	Sept. 13	11.21	Dec. 9	11.08
June 14	11.32	Oct. 12	11.10		

7-18W-25acc. Omer Henderson. Drilled stock well in alluvium; diameter 6 inches, depth 31 feet. Measuring point, top of casing, at land surface. Highest water level 19.74 below lsd, July 19, 1962; lowest 23.01 below lsd, Sept. 14, 1959. Records available: 1958-65.

Mar. 12	22.31	Sept. 7	21.62	Dec. 9	21.43
June 15	21.30	Oct. 12	22.05		

7-18W-25baa. C. E. Hughes. Drilled irrigation well in alluvium; diameter 16 inches, depth 57 feet. Measuring point, lower lip of measuring tube, 1.50 feet above lsd. Highest water level 10.27 below lsd, Apr. 11, 1958; lowest 14.33 below lsd, June 2, 1964. Records available: 1958-65. Mar. 12, 13.22; Sept. 7, 12.62; Dec. 9, 12.35.

7-18-27bbb. Owner unknown. Drilled observation water-table well in alluvium; diameter 5 inches, depth 28 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 19.74 below lsd, Dec. 20, 1963; lowest 23.03 below lsd, Oct. 13, 1964. Records available: 1963-65.

1963		Apr. 14	19.96	1965	
Dec. 20	19.74	June 2	20.17	Mar. 12	22.24
1964		17	20.28	June 14	21.49
Jan. 17	19.79	Sept. 15	22.91	Sept. 7	20.78
Feb. 17	19.87	Oct. 13	23.03	Oct. 12	20.63
Mar. 6	19.93			Dec. 8	20.27

7-19W-23cdb. Zack McEwen. Dug stock well; diameter 36 inches, depth 23 feet. Measuring point, south side of pump base, 0.30 foot above lsd. Highest water level 13.16 below lsd, June 15, 1960; lowest 18.90 below lsd, Dec. 21, 1964. Records available: 1958-65.

Mar. 12	18.37	Oct. 12	16.82Pm
June 15	15.99Pm	Dec. 9	15.94
Sept. 13	16.40		

RUSH COUNTY

18-17W-14bbc. Lester Dirks. Drilled observation well in alluvium of Pleistocene age; diameter 1 1/4 inches, depth 64 feet. Measuring point, top of pipe, 3.80 feet

RUSH COUNTY—concluded.

above lsd. Highest water level 16.87 below lsd, Sept. 26, 1961; lowest 32.58 below lsd, Aug. 17, 1965. Records available: 1960-65.

Jan. 18	26.57	May 18	27.77	Sept. 21	32.34
Feb. 17	26.39	June 21	25.94	Oct. 25	28.29
Mar. 26	26.29	July 20	27.24	Nov. 19	27.79
Apr. 15	26.89	Aug. 17	32.58	Dec. 20	27.42

18-17W-14ccc. Jerry F. Oborny. Drilled observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth 64 feet. Measuring point, top of pipe, 3.86 feet above lsd. Highest water level 15.75 below lsd, June 20, 1960; lowest 27.42 below lsd, Aug. 17, 1965. Records available: 1960-65.

Jan. 18	24.49	May 18	25.37	Sept. 21	27.24
Feb. 17	24.25	June 21	23.78	Oct. 25	26.22
Mar. 26	24.02	July 20	23.97	Nov. 19	25.72
Apr. 15	25.30	Aug. 17	27.42	Dec. 20	25.28

18-17W-14cdc. J. F. Oborny. Drilled irrigation well in alluvium of Pleistocene age; depth 70 feet. Measuring point, hole in southeast side pump base, 0.70 foot above lsd. Highest water level 15.78 below lsd, June 27, 1960; lowest 35.22 below lsd, Aug. 31, 1956. Records available: 1946-50, 1955-65. Apr. 20, 25.19.

18-17W-15daa. Louis E. Oborny. Drilled observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth 60 feet. Measuring point, top of pipe, 3.35 feet above lsd. Highest water level 16.66 below lsd, June 20, 1960; lowest 31.32 below lsd, Aug. 17, 1965. Records available: 1960-65.

Jan. 18	26.05	May 18	27.04	Sept. 21	29.14
Feb. 17	25.83	June 21	25.52	Oct. 25	28.01
Mar. 26	25.52	July 20	25.68	Nov. 19	27.38
Apr. 15	26.84	Aug. 17	31.32	Dec. 20	26.92

18-17W-22aad. W. Smercka. Drilled observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 16.31 below lsd, June 20, 1960; lowest 27.75 below lsd, Sept. 21, 1965. Records available: 1960-65.

Jan. 18	25.40	May 18	26.27	Sept. 21	27.75
Feb. 17	25.09	June 21	24.59	Oct. 25	26.89
Mar. 26	24.83	July 20	24.45	Nov. 19	26.50
Apr. 15	25.69	Aug. 17	27.51	Dec. 20	26.14

18-17W-22dad. Mrs. Holopirek. Drilled observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 22.43 below lsd, June 20, 1960; lowest 32.89 below lsd, Sept. 21, 1965. Records available: 1960-65.

Jan. 18	30.47	May 18	31.77	Sept. 21	32.89
Feb. 17	30.16	June 21	30.76	Oct. 25	32.36
Mar. 22	29.86	July 20	30.12	Nov. 19	31.74
Apr. 15	29.94	Aug. 17	32.78	Dec. 20	31.26

18-17W-23bcc. Mrs. Fiala. Drilled observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth

56 feet. Measuring point, top of pipe, 3.55 feet above lsd. Highest water level 16.15 below lsd, June 20, 1960; lowest 26.81 below lsd, Sept. 21, 1965. Records available: 1960-65.

Jan. 18	24.65	May 18	25.51	Sept. 21	26.81
Feb. 17	24.42	June 21	23.88	Oct. 25	26.29
Mar. 26	24.10	July 20	23.54	Nov. 19	25.84
Apr. 15	24.47	Aug. 17	26.13	Dec. 20	25.44

18-18W-27aac. U.S.G.S. Drilled observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 3.2 feet above lsd. Highest water level 25.89 below lsd, Apr. 9, 1965; lowest 30.43 below lsd, Sept. 21, 1965. Records available: 1965.

Apr. 9	25.89	Aug. 17	30.08Pc
15	26.00Pc	Sept. 21	30.43
May 18	29.02	Oct. 25	29.15
June 21	27.58	Nov. 19	28.51
July 20	26.97	Dec. 20	28.05

18-18W-27abb. U.S.G.S. Drilled observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 3.0 feet above lsd. Highest water level 28.19 below lsd, July 20, 1965; lowest 31.35 below lsd, Sept. 21, 1965. Records available: 1965.

Apr. 9	28.9	Aug. 17	31.23Pc
15	29.78Pc	Sept. 21	31.35
May 18	29.98	Oct. 25	30.80
June 21	28.89	Nov. 19	30.22
July 20	28.19	Dec. 20	29.74

18-18W-27bc. Lee Dellette. Drilled domestic well in alluvium of Pleistocene age; diameter 5 inches, depth 61 feet. Measuring point, blue mark on northeast side of casing, 0.70 foot above lsd. Highest water level 20.91 below lsd, July 17, 1962; lowest 29.00 below lsd, Sept. 21, 1965. Records available: 1962-65.

Jan. 18	26.94	May 18	27.55	Sept. 21	29.00
Feb. 17	26.70	June 21	27.52	Oct. 25	28.56
Mar. 26	26.34	July 20	27.89	Nov. 19	28.09
Apr. 15	26.43	Aug. 17	28.51	Dec. 20	27.65

18-20W-14ccc. John Georg. Augered observation well in alluvium of Pleistocene age; diameter 1¼ inches, depth 48 feet. Measuring point, top of pipe, 3.70 feet above lsd. Highest water level 19.97 below lsd, Nov. 7, 1960; lowest 23.95 below lsd, Dec. 20, 1965. Records available: 1960-65.

Jan. 18	23.62	May 18	23.81*	Sept. 21	23.94
Feb. 17	23.68	June 21	23.67	Oct. 25	23.90
Mar. 26	23.59	July 20	23.59	Nov. 19	23.72
Apr. 15	23.70	Aug. 17	23.88	Dec. 20	23.95

* Well pumping ¼ mile north.

18-20W-23cd. Owner unknown. Unused water-table well in terrace deposits of Pleistocene age; diameter 5 inches, depth 49 feet. Measuring point, top north side of casing, 0.50 foot above lsd. Highest water level 31.55 below lsd, Apr. 18, 1960; lowest 36.81 below lsd, July 25, 1963. Records available: 1954-65. Jan. 18, 35.40; Feb. 17, 35.33. Measurement discontinued.

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13-14W-18ad. (117) Marie Dutt and others. Dug, unused, water-table well in alluvium; diameter 26 to 32 inches, depth 14 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.30 foot above lsd. Highest water level 4.43 below lsd, Apr. 15, 1958; lowest 10.70 below lsd, Sept. 15, 1964. Records available: 1941-65. Mar. 26, 8.40; June 22, 6.05.

14-12W-24ab. (146) D. P. Steinle. Dug, unused, water-table well in terrace deposits of Pleistocene age; diameter 28 inches, depth 17 feet, cribbed with rock. Measuring point, top north edge of rock casing, 0.60 foot above lsd. Highest water level 11.15 below lsd, Dec. 3, 1962; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-65. Mar. 26, 13.30; June 22, 13.20; Sept. 30, 13.45.

14-13W-13da. (148) John Penix. Dug, water-table domestic and stock well in terrace deposits of Pleistocene age; diameter 28 to 36 inches, depth 12 feet, cribbed with rock. Measuring point, top south edge of rock casing, 0.50 foot above lsd. Highest water level 3.04 below lsd, Apr. 14, 1960; lowest 8.45 below lsd, Dec. 10, 1963. Records available: 1941-65. June 22, 6.60; Sept. 30, 7.58.

14-14W-22aa. (149) George Boxberger, Jr. Dug, unused, water-table well in Upper Cretaceous Greenhorn Limestone; diameter 32 to 36 inches, depth 23 feet, cribbed with rock. Measuring point, top west edge of rock casing, 1.30 feet above lsd. Highest water level 15.83 below lsd, Aug. 3, 1960; lowest 21.54 below lsd, June 29, 1943. Records available: 1941-65. Mar. 26, 20.20; June 22, 19.40; Sept. 30, 19.28.

14-15W-9dd1. (80) Joseph Furthmyer, Jr. 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: 1941-65. Mar. 26, 5.34; June 22, 4.52; Sept. 30, 4.70.

14-15W-9dd2. (81) Joseph Furthmyer, Jr. Drilled, water-table stock well in Dakota Formation; diameter 6 inches, depth 224 feet. Measuring point, top west edge of casing, 0.30 foot above lsd. Highest water level 101.85 below lsd, Aug. 29, 1941; lowest 134.71 below lsd, July 10, 1947. Records available: 1941-65. Mar. 26, 118.35; June 22, 116.05; Sept. 30, 116.12.

SALINE COUNTY

14-2W-30cd. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 28 feet. Measuring point, top of pipe, 2.30 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, 1955-65.

Mar. 25	15.03	June 23	14.32	Aug. 10	13.39
May 24	15.28	July 15	13.57	Dec. 22	14.33

15-2W-17cd. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 9.58 below lsd, Oct. 1, 1951; lowest 27.40 below lsd, May 11, 1956. Records available: 1946-65.

Mar. 25	25.17	June 23	23.90	Aug. 10	21.60
Apr. 24	25.39	July 15	22.07	Dec. 22	23.10

15-2W-18cd. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 28.65 below lsd, Sept. 7, 1956. Records available: 1946-65.

Mar. 25	24.17	June 23	23.08	Aug. 10	20.24
May 24	25.79	July 15	19.87	Dec. 22	24.03

15-2W-30dc. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 35 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 6.56 below lsd, July 24, 1951; lowest 24.59 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-65.

Mar. 25	23.23	June 23	22.00	Aug. 10	20.30
May 24	23.38	July 15	20.55	Dec. 22	21.49

15-2W-31ccc. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 7.92 below lsd, Nov. 9, 1951; lowest 20.30 below lsd, June 10, 1957. Records available: 1950-53, 1955-65.

Mar. 25	18.89	June 23	18.22	Aug. 10	18.23
May 24	19.10	July 15	17.58	Dec. 22	17.43

15-3W-12ab. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 30 feet. Measuring point, top of pipe, 1.40 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, 1955-65.

Mar. 25	22.40	June 23	23.06	Aug. 10	22.15
May 24	23.54	July 15	22.36	Dec. 22	21.15

15-3W-12dd. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 30 feet. Measuring point, top of pipe, 4.00 feet above lsd. Highest water level 10.02 below lsd, Nov. 9, 1951; lowest 26.15 below lsd, Sept. 16, 1964. Records available: 1951-53, 1955-65.

Mar. 25	25.67	June 23	25.17	Aug. 10	22.72
May 24	26.07	July 15	22.61	Dec. 22	23.90

15-3W-24dd. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 34 feet. Measuring point, top of pipe, 1.20 feet above lsd. Highest water level 4.30 below lsd, July 24, 1951; lowest 26.18 below lsd, May 24, 1965. Records available: 1946-53, 1955-65.

Mar. 25	26.07	June 23	25.53	Aug. 10	24.37
May 24	26.18	July 15	24.54	Dec. 22	24.38

15-3W-36ab. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 46 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 17.57 below lsd, Nov. 9, 1951; lowest 32.25 below lsd, Aug. 19, 1957. Records available: 1946-53, 1955-65.

SALINE COUNTY—concluded.

Mar. 25	28.14	June 23	28.80	Aug. 10	28.44
May 24	29.20	July 15	28.13	Dec. 22	27.46

16-2W-8ccc. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter $\frac{3}{4}$ inch, depth 27 feet. Measuring point, top of pipe, 4.20 feet above lsd. Highest water level 7.94 below lsd, Oct. 20, 1950; lowest 25.44 below lsd, May 8, 1957. Records available: 1950-53, 1955-65.

Mar. 25	23.59	June 23	23.38	Aug. 10	23.40
May 24	23.52	July 15	23.39	Dec. 22	23.30

16-2W-18bbb. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 40 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 20.64 below lsd, Aug. 10, 1965; lowest 24.28 below lsd, May 24, 1965. Records available: 1962-65.

Mar. 25	23.30	June 23	22.46	Aug. 10	20.64
May 24	24.28	July 15	21.26	Dec. 22	23.28

16-2W-18cc. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 35 feet. Measuring point, top of pipe, 3.90 feet above lsd. Highest water level 11.76 below lsd, Aug. 17, 1951; lowest 27.39 below lsd, Mar. 18, 1957. Records available: 1946-53, 1955-65.

Mar. 25	23.59	June 23	21.40	Aug. 10	20.00
May 24	23.90	July 15	17.93	Dec. 22	20.60

16-3W-12abb. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 44 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 19.30 below lsd, Nov. 27, 1962; lowest 22.29 below lsd, Sept. 16, 1964. Records available: 1962-65.

Mar. 25	21.83	June 23	21.85	Aug. 10	21.63
May 24	22.16	July 15	21.15	Dec. 22	20.40

16-3W-12bcb. 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, 2.40 feet above lsd. Highest water level 5.57 below lsd, Mar. 28, 1960; lowest 23.10 below lsd, Nov. 21, 1950. Records available: 1950-53, 1955-65.

Mar. 25	14.98	June 23	13.39	Aug. 10	13.27
May 24	16.06	July 15	11.95	Dec. 22	13.90

16-3W-13cd. U.S.G.S. Drilled and driven, water-table observation well in terrace deposits of Pleistocene age; diameter $1\frac{1}{4}$ inches, depth 45 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 26.25 below lsd, Sept. 7, 1956. Records available: 1946-53, 1955-65.

Mar. 25	23.17	June 23	22.62	Aug. 10	20.67
May 24	23.34	July 15	21.34	Dec. 22	23.36

16-3W-26dcd. U.S.G.S. Drilled and driven, water-table observation 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: 1946-65.

Mar. 25	21.39	June 23	20.24	Aug. 10	17.86
May 24	21.60	July 15	17.73	Dec. 22	19.55

16-3W-33ddd. 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, 1955-65.

Mar. 25	18.20	June 23	18.05	Aug. 10	17.34
May 24	18.63	July 15	16.68	Dec. 22	16.50

SCOTT COUNTY

16-33W-19cbb. Roy Fairleigh. Drilled irrigation well in Ogallala Formation; diameter 18 inches, depth 189 feet. Measuring point, hole in west pump base, 0.75 foot above lsd. Highest water level 129.78 below lsd, Dec. 12, 1960; lowest 145.12 below lsd, Dec. 16, 1964. Records available: 1959-65. Mar. 10, P; June 15, 142.61; Sept. 7, 142.73; Dec. 20, P.

18-33W-12add. (19) Mr. Fouquet. Drilled, water-table irrigation well in Ogallala Formation; diameter 12 inches, depth 87 feet. Measuring point, top of hole in pump base, 1.00 foot above lsd. Highest water level 43.38 below lsd, May 26, 1952; lowest 89.00 below lsd, Sept. 8, 1964. Records available: 1939-65.

Jan. 27	68.50	May 11	70.39	Sept. 27	75.32
Feb. 17	69.19	June 15	70.64	Oct. 12	72.05
Mar. 10	67.79	July 21	73.43	Nov. 15	70.53
Apr. 14	73.94	Aug. 10	81.55	Dec. 20	69.40

18-33W-26dad. (2A) State of Kansas. Drilled, water-table observation well in deposits of Pleistocene age; diameter 8 inches, depth 55 feet. Measuring point, top south side of casing, 0.30 foot above lsd. Highest water level 19.85 below lsd, May 8, 1952; lowest 52.74 below lsd, July 30, 1965. Records available: 1944-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	50.24	50.18	50.12	50.05	49.94	49.85
Feb.	49.80	49.77	49.80	49.62	49.61	.....
Mar.	49.53	49.50	49.46	49.43	49.38	49.39
Apr.	49.37	49.41	49.52	49.67	50.66	51.04
May	51.20	51.02	50.80	51.14	51.36	51.11
June	51.02	50.96	50.90	50.81	50.81	50.73
July	50.68	50.64	50.64	51.13	51.52	52.74
Aug.	52.01	52.11	52.30	52.50	52.33	52.18
Sept.	52.09	52.03	51.97	51.91	51.89	51.80
Oct.	51.76	51.72	51.65	51.40	50.95	50.70
Nov.	50.09	49.62	49.13	48.79	48.46	48.30
Dec.	48.12	47.85	47.74	47.61	47.5	47.28

18-34W-25bbd. Claud Hughes. Drilled irrigation well; diameter 18 inches, depth 141 feet. Measuring point, hole

in west side pump base, at land surface. Highest water level 88.07 below lsd, Apr. 6, 1945; lowest 96.84 below lsd, May 11, 1965. Records available: 1940-47, 1951, 1956, 1961, 1965.

1940		Mar.	88.36	1951	
Sept. 12	91.94	June 9	88.26	Apr. 23	90.32
1941		1945		1956	
Feb.	89.73	Jan. 10	88.35	Mar. 6	92.81
1942		Apr. 6	88.07	1961	
Jan.	89.28	Dec. 7	88.62	Jan. 17	93.56
Apr.	89.12	1946		1965	
Nov.	88.73	Mar. 21	88.44	Jan. 27	96.22
1943		Dec. 18	89.64	May 11	96.84*
Mar.	88.16	1947		Aug. 10	P
Dec.	88.61	Apr. 8	88.98	Nov. 15	96.39
1944					

* Well pumping ¼ mile west.

19-32W-28dcc. (50) F. M. Houston. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 126 feet. Measuring point, top of concrete platform, 1.50 feet above lsd. Highest water level 83.02 below lsd, Jan. 23, 1959; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-65.

Jan. 25	86.67	May 11	87.06	Sept. 27	87.20
Feb. 17	86.88	June 15	87.06	Oct. 12	87.17
Mar. 10	86.93	July 21	87.14	Nov. 15	87.10
Apr. 14	86.93	Aug. 10	87.15	Dec. 20	86.97

19-33W-15db. Otto Greeseka. Drilled irrigation well in Ogallala Formation; diameter 18 inches, depth 131 feet. Measuring point, top of ½-inch hole in pump base, 1.50 feet above lsd. Highest water level 45.60 below lsd, Aug. 1936; lowest 75.44 below lsd, Oct. 12, 1965. Records available: 1936, 1940-47, 1951, 1956, 1961, 1965.

1936		Dec.	58.35	Apr. 8	56.66
Aug.	45.60	1944		1951	
1940		June 9	56.60	Apr. 25	55.52
Sept. 10	55.90	1945		1956	
1941		Jan. 11	55.56	Mar. 29	64.52
Feb.	56.53	Apr. 6	54.53	1961	
1942		Dec. 7	56.00	Jan. 30	58.80
Jan.	55.38	1946		1965	
May	54.72	Jan. 16	56.49	Jan. 25	73.21
Nov.	55.15	Mar. 21	56.82	Aug. 10	P
1943		Dec. 20	58.15	Oct. 12	75.44
Mar.	54.23	1947		Nov. 15	73.37

19-33W-29cbb. (207) Samuel Bontrager. Irrigation well in Ogallala Formation; diameter 24 inches, depth 109 feet. Measuring point, top of pump frame, 1.70 feet above lsd. Highest water level 69.84 below lsd, Apr. 13, 1936; lowest dry, Sept. 4, 1963, Sept. 8, 1964. Records available: 1929, 1936, 1939-42, 1958-65. Jan. 25, 102.35; Feb. 17, 101.67; Mar. 10, 100.97.

20-32W-7ba. L. F. Roark. Drilled irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 18 inches, depth 98 feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 35.2 below lsd, Nov. 1934, Sept. 1936; lowest 59.39 below lsd, Aug. 10, 1965. Records available: 1934, 1936, 1940-47, 1951, 1956, 1961, 1965.

1934		1944		1956	
Nov.	35.2	June 10	37.37	Apr. 2	44.07
1936		1945		1961	
Sept.	35.2	Jan. 10	40.62	Jan. 27	50.40
1940		Apr. 5	37.21	1965	
Aug. 31	40.35	Dec. 7	41.22	Jan. 25	57.54
Oct.	37.43	1946		Apr. 11	P
1941		Jan. 16	37.97	May 11	P
Feb.	36.96	Mar. 21	38.12	June 15	58.56
1942		Dec. 19	37.79	July	P
Jan.	38.13	1947		Aug. 10	59.39
Apr.	36.98	Apr. 4	37.14	Sept. 27	59.27
Dec.	36.96	1951		Oct. 12	58.99
1943		Apr. 2	37.78	Nov. 15	59.14
Mar.	36.93				

20-33W-9bbb. (1) Mrs. Rosine Smith. Drilled, unused, water-table well in Ogallala Formation; diameter 24 inches, depth 128 feet. Measuring point, top of concrete edge of pump base, 0.10 foot above lsd. Highest water level 55.89 below lsd, May 14, 1934; lowest dry, Mar. 22, Nov. 19, Dec. 17, 1956. Records available: 1931-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	84.76	84.71	84.66	84.63	84.62	84.60
Feb.	84.56	84.53	84.51	84.47	84.47	.....
Mar.	84.42	84.40	84.38	84.40	84.35	84.36
Apr.	84.32	84.30	84.36	84.32	84.32	85.15
May	85.78	86.17	85.87	85.57	85.35	85.23
June	85.10	85.05	84.99	84.94	84.90	84.88
July	84.82	84.80	84.77	84.73	84.72	85.30
Aug.	.....	86.45	86.71	86.80	86.32	86.30
Sept.	86.85	87.10	87.27	86.83	86.65	86.42
Oct.	86.18	86.00	85.90	85.76	85.68	85.55
Nov.	85.38	85.27	85.20	85.19	85.17	85.15
Dec.	85.13	85.11	85.07	84.99	84.91	84.81

20-33W-13baa. (256) James E. Ely. Irrigation well in Ogallala Formation; diameter 16 inches, depth 125 feet. Measuring point, hole in east side pump base, 1.90 feet above lsd. Highest water level 33.33 below lsd, June 15, 1944; lowest 58.90 below lsd, Oct. 8, 1963. Records available: 1944, 1958-65. Mar. 10, P.

SEDGWICK COUNTY

25-1W-3aaa. (825) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-65. Apr. 2, 9.35; July 1, 8.43; Sept. 30, 7.35; Dec. 29, 7.77.

25-1W-5aaa. (826) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 18 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 2.12 below lsd, May 9, 1944; lowest 16.80 below lsd, Nov. 1, 1956. Records available: 1939-49, 1955-65. Apr. 2, 12.88; July 1, 11.90; Sept. 30, 4.80; Dec. 29, 10.50.

25-1W-5ccc. (1176) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 10.42 below lsd, Oct. 3, 1951; lowest 24.73 below lsd, May 1, 1957. Records available: 1950-65. Apr. 2, 18.80; July 1, 17.17; Sept. 30, 15.70; Dec. 29, 15.68.

SEDGWICK COUNTY—*continued.*

25-1W-5dd. (124) City of Wichita. Drilled observation well in sand and gravel of Pleistocene age; depth 70 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 11.70 below lsd, June 1, 1962; lowest 20.73 below lsd, Mar. 1, 1957. Records available: 1955-65. Apr. 2, 18.30; July 1, 13.19; Sept. 30, 15.15; Dec. 29, 16.65.

25-1W-6ccc1. (M-34) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 150 feet. Measuring point, opening in side of pump base, 2.00 feet above lsd. Highest water level 6.96 below lsd, July 8, 1949; lowest 64.50 below lsd, Sept. 2, 1958. Records available: 1947, 1949-65.

Feb. 1	47.0Pm	Aug. 2	22.0
Mar. 1	24.0	Sept. 1	22.5
Apr. 1	50.0Pm	Oct. 1	20.0
30	49.0Pm	Nov. 1	20.0
June 1	50.0Pm	Dec. 1	20.0
July 1	50.0Pm		

25-1W-6ccc2. (M-34b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 85 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 5.64 below lsd, July 7, 1948; lowest 34.18 below lsd, Oct. 1, 1956. Records available: 1947-65.

Feb. 1	20.63Pc	Aug. 2	19.36
Mar. 1	20.63	Sept. 1	19.58
Apr. 1	21.68Pc	Oct. 1	17.42
30	21.60Pc	Nov. 1	17.24
June 1	22.22Pc	Dec. 1	17.51
July 1	20.40Pc		

25-1W-6ddd. (M-35b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 86 feet. Measuring point, top of pipe, 1.10 feet above lsd. Highest water level 10.60 below lsd, Sept. 2, 1949; lowest 33.51 below lsd, May 1, 1957. Records available: 1947-65.

Feb. 1	24.04	Aug. 2	23.78Pc
Mar. 1	24.80Pc	Sept. 1	22.76
Apr. 1	24.35	Oct. 1	21.00
30	26.37Pc	Nov. 1	21.01Pc
June 1	24.88	Dec. 1	21.50Pc
July 1	25.65Pc		

25-1W-7baa. (M-35) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 130 feet. Measuring point, opening on side of pump base, 2.00 feet above lsd. Highest water level 10.30 below lsd, July 8, 1949; lowest 58.00 below lsd, Aug. 1, 1955, July 2, Aug. 1, 1956, Mar. 1, 1957. Records available: 1947, 1949-65.

Feb. 1	23.0	Aug. 2	55.0Pm
Mar. 1	56.0Pm	Sept. 1	22.0
Apr. 1	23.0	Oct. 1	20.0
30	57.0Pm	Nov. 1	53.0Pm
June 1	24.0	Dec. 1	54.0Pm
July 1	56.5Pm		

25-1W-7bcc1. (M-36) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 184 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 19.57 below lsd, Feb. 1, 1962; lowest 62.99 below lsd, Apr. 1, 1960. Records available: 1958-65.

Feb. 1	24.36	Aug. 2	23.67
Mar. 1	24.42	Sept. 1	61.12Pm
Apr. 1	61.75Pm	Oct. 1	21.35
30	24.89	Nov. 1	21.05
June 1	25.39	Dec. 1	20.66
July 1	24.45		

25-1W-7bcc2. (M-36b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.66 below lsd, Mar. 1, 1962; lowest 25.48 below lsd, Apr. 22, 1958. Records available: 1958-65.

Feb. 1	21.38	Aug. 2	20.55
Mar. 1	21.45	Sept. 1	20.98Pc
Apr. 1	21.86Pc	Oct. 1	18.78
30	21.70	Nov. 1	18.18
June 1	22.39	Dec. 1	18.00
July 1	21.10		

25-1W-7bcc3. (M-36d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 180 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 17.16 below lsd, Jan. 2, 1962; lowest 35.29 below lsd, July 1, Dec. 1, 1959. Records available: 1938-65.

Feb. 1	21.86	Aug. 2	21.35
Mar. 1	22.05	Sept. 1	32.76Pc
Apr. 1	33.60Pc	Oct. 1	19.04
30	22.48	Nov. 1	18.73
June 1	22.93	Dec. 1	18.26
July 1	21.98		

25-1W-7ccc. (816) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 5.32 below lsd, Oct. 8, 1945; lowest 25.32 below lsd, May 1, 1957. Records available: 1938-65. Apr. 2, 20.42; July 1, 20.10; Sept. 30, 18.75; Dec. 29, 17.42.

25-1W-10ccc. (125) City of Wichita. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 69 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 5.85 below lsd, May 31, 1962; lowest 15.69 below lsd, Apr. 1, 1959. Records available: 1956-65. Apr. 2, 12.32; July 1, 6.60; Sept. 30, 3.88; Dec. 29, 9.80.

25-1W-14ddd. (814) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 1.13 below lsd, July 1, 1965; lowest 19.00 below lsd, Apr. 1, 1957. Records available: 1938-65. Apr. 2, 14.92; July 1, 1.13; Sept. 30, 6.65; Dec. 29, 8.52.

25-1W-17aaa. (815) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 31 feet. Measuring point,

top of pipe, 1.50 feet above lsd. Highest water level 7.65 below lsd, May 11, 1945; lowest 19.69 below lsd, Apr. 1, 1957. Records available: 1938-65. Apr. 2, 17.44; July 1, 16.60; Sept. 30, 15.05; Dec. 29, 14.99.

25-1W-17cbb1. (M-39) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 154 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.0 below lsd, Dec. 1, 1965; lowest 53.80 below lsd, Apr. 30, 1965. Records available: 1958-65.

Feb. 1	17.19	Aug. 2	16.97
Mar. 1	17.88	Sept. 1	15.74
Apr. 1	17.53	Oct. 1	14.29
30	53.80Pm	Nov. 1	14.08
June 1	18.30	Dec. 1	14.0
July 1	53.45Pm		

25-1W-17cbb2. (M-39b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 52 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 11.25 below lsd, Oct. 2, 1958; lowest 20.46 below lsd, July 31, 1964. Records available: 1958-65.

Feb. 1	15.14	Aug. 2	14.72
Mar. 1	16.70	Sept. 1	12.56
Apr. 1	15.54	Oct. 1	12.14
30	19.15Pc	Nov. 1	11.90
June 1	16.19	Dec. 1	11.90
July 1	17.80Pc		

25-1W-17cbb3. (M-39d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 143 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 11.77 below lsd, Dec. 1, 1965; lowest 21.53 below lsd, July 31, 1964. Records available: 1958-65.

Feb. 1	15.01	Aug. 2	14.92
Mar. 1	15.23	Sept. 1	13.52
Apr. 1	15.36	Oct. 1	12.03
30	20.62Pc	Nov. 1	11.89
June 1	16.25	Dec. 1	11.77
July 1	19.69Pc		

25-1W-17ccc1. (M-40) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 127 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 12.44 below lsd, Nov. 1, 1965; lowest 58.25 below lsd, Nov. 1, 1962. Records available: 1958-65.

Feb. 1	15.33	Aug. 2	55.40Pm
Mar. 1	55.51Pm	Sept. 1	14.08
Apr. 1	15.58	Oct. 1	12.70
30	16.65	Nov. 1	12.44
June 1	55.54Pm	Dec. 1	12.50
July 1	15.80		

25-1W-17ccc2. (M-40b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest

water level 10.53 below lsd, Nov. 1, 1958; lowest 15.91 below lsd, Sept. 1, 1964. Records available: 1958-65.

Feb. 1	13.83	Aug. 2	13.09Pc
Mar. 1	14.40Pc	Sept. 1	12.65
Apr. 1	14.09	Oct. 1	11.05
30	14.30	Nov. 1	10.74
June 1	14.54Pc	Dec. 1	10.90
July 1	13.74		

25-1W-17ccc3. (M-40d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 121 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 10.59 below lsd, Oct. 2, 1958; lowest 27.66 below lsd, Sept. 1, 1964. Records available: 1958-65.

Feb. 1	13.85	Aug. 2	25.53Pc
Mar. 1	26.52Pc	Sept. 1	12.58
Apr. 1	14.10	Oct. 1	11.14
30	15.05	Nov. 1	11.00
June 1	26.65Pc	Dec. 1	11.03
July 1	14.15		

25-1W-18aaa1. (M-38) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 128 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.34 below lsd, Dec. 3, 1962; lowest 86.36 below lsd, Nov. 1, 1962. Records available: 1938-65.

Feb. 1	18.14	Aug. 2	17.45
Mar. 1	72.08Pm	Sept. 1	17.15
Apr. 1	18.16	Oct. 1	15.50
30	18.90	Nov. 1	15.17
June 1	72.07Pm	Dec. 1	14.75
July 1	18.35		

25-1W-18aaa2. (M-38b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 46 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.13 below lsd, Nov. 1, 1961; lowest 22.37 below lsd, July 31, 1964. Records available: 1958-65.

Feb. 1	20.02	Aug. 2	19.17
Mar. 1	20.30Pc	Sept. 1	18.86
Apr. 1	20.07	Oct. 1	17.44
30	20.40	Nov. 1	16.96
June 1	21.08Pc	Dec. 1	16.55
July 1	20.08		

25-1W-18aaa3. (M-38d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 127 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 16.30 below lsd, Nov. 1, 1961; lowest 28.57 below lsd, July 31, 1964. Records available: 1958-65.

Feb. 1	20.16	Aug. 2	20.27
Mar. 1	27.10Pc	Sept. 1	19.02
Apr. 1	21.77	Oct. 1	17.48
30	20.70	Nov. 1	17.08
June 1	27.49Pc	Dec. 1	16.73
July 1	20.15		

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25-1W-18abb1. (M-37) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 14.00 below lsd, Feb. 2, 1962; lowest 66.39 below lsd, Nov. 1, 1961. Records available: 1958-65.

Feb. 1	61.01Pm	Aug. 2	63.26Pm
Mar. 1	17.86	Sept. 1	62.34Pm
Apr. 1	18.04	Oct. 1	15.06
30	63.32Pm	Nov. 1	62.22Pm
June 1	18.52	Dec. 1	14.35
July 1	63.12Pm		

25-1W-18abb2. (M-37b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 53 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 14.38 below lsd, Dec. 3, 1962; lowest 20.74 below lsd, Dec. 31, 1959. Records available: 1958-65.

Feb. 1	19.19Pc	Aug. 2	18.35Pc
Mar. 1	18.40	Sept. 1	18.17Pc
Apr. 1	18.37	Oct. 1	15.70
30	20.66Pc	Nov. 1	16.16Pc
June 1	19.03	Dec. 1	14.86
July 1	19.10Pc		

25-1W-18abb3. (M-37d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 160 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 14.00 below lsd, Dec. 3, 1962; lowest 32.57 below lsd, Nov. 2, 1959. Records available: 1958-65.

Feb. 1	29.58Pc	Aug. 2	29.50Pc
Mar. 1	18.04	Sept. 1	29.24Pc
Apr. 1	18.11	Oct. 1	15.20
30	30.55Pc	Nov. 1	27.57Pc
June 1	18.50	Dec. 1	14.38
July 1	30.15Pc		

25-1W-20ccc. (117) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.87 below lsd, Nov. 30, 1961; lowest 14.79 below lsd, Apr. 1, 1957. Records available: 1954-65. Apr. 2, 12.54; July 1, 11.75; Sept. 30, 10.50; Dec. 29, 10.73.

25-1W-22bbb. (126) City of Wichita. Drilled observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, at land surface. Highest water level 8.10 below lsd, July 1, 1965; lowest 15.84 below lsd, Jan. 31, 1957. Records available: 1955-65. Apr. 2, 13.18; July 1, 8.10; Sept. 30, 9.44; Dec. 29, 11.15.

25-1W-26db. (12) Dr. A. D. Updegraph. 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: 1937-65.

Jan. 25	17.41	May 25	17.71	Sept. 25	14.88
Feb. 25	17.55	June 25	15.93	Oct. 25	14.75
Mar. 25	17.64	July 26	15.23	Nov. 24	15.25
Apr. 26	17.73	Aug. 25	15.74	Dec. 29	15.66

25-1W-27bbb. (812) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.30 below lsd, Aug. 31, 1949; lowest 18.91 below lsd, Feb. 10, 1947. Records available: 1938-65. Apr. 2, 13.13; July 1, 11.90; Sept. 30, 9.80; Dec. 29, 10.86.

25-1W-35daa. (810) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 14.82 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1938-65. Apr. 2, 14.03; July 1, 11.97; Sept. 30, 10.70; Dec. 29, 12.92.

25-2W-1add. (M-33b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 75 feet. Measuring point, top of casing, 1.60 feet above lsd. Highest water level 6.82 below lsd, Oct. 4, 1948; lowest 29.13 below lsd, Apr. 1, 1957. Records available: 1947-65.

Feb. 1	19.35	Aug. 2	18.21
Mar. 1	19.16	Sept. 1	18.25
Apr. 1	19.25	Oct. 1	18.16Pc
30	19.52	Nov. 1	16.33
June 1	19.80	Dec. 1	15.94
July 1	19.00		

25-2W-1baa. (M-25b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 51 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 31.67 below lsd, Apr. 1, 1957. Records available: 1939-65.

Feb. 1	22.26	Aug. 2	20.96
Mar. 1	22.35Pc	Sept. 1	20.75Pc
Apr. 1	22.33Pc	Oct. 1	20.20
30	23.92Pc	Nov. 1	19.50
June 1	22.75Pc	Dec. 1	19.09
July 1	22.60Pc		

25-2W-1cbb. (307) J. R. Clark. Drilled, unused, water-table well in sand and gravel of Pleistocene age; diameter 6 inches, depth 92 feet. Measuring point, top of pipe, 2.80 feet above lsd. Highest water level 9.08 below lsd, May 12, 13, 20, 1945; lowest 34.45 below lsd, May 1, 1957. Records available: 1937-54, 1956-65. Apr. 2, 23.01; July 1, 22.90; Sept. 30, 20.68; Dec. 29, 20.20.

25-2W-1daa. (M-33) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 170 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.23 below lsd, July 8, 1949; lowest 81.00 below lsd, July 2, Aug. 1, 1956. Records available: 1947, 1949-65.

Feb. 1	22.0	Aug. 2	21.0
Mar. 1	22.0	Sept. 1	21.0
Apr. 1	22.5	Oct. 1	47.0Pm
30	22.5	Nov. 1	19.0
June 1	23.0	Dec. 1	19.0
July 1	22.0		

25-2W-2abb. (M-28b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 82 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 12.55 below lsd, Oct. 4, 1948; lowest 33.00 below lsd, May 1, 1957. Records available: 1947-65.

Feb. 1	24.55	June 1	24.81	Oct. 1	23.04
Mar. 1	24.60	July 1	24.65	Nov. 1	22.97
Apr. 1	24.52	Aug. 2	24.08	Dec. 1	22.62
30	24.70	Sept. 1	24.15		

25-2W-2baa. (M-28) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 220 feet. Measuring point, top of casing 2.00 feet above lsd. Highest water level 14.09 below lsd, July 8, 1949; lowest 88.00 below lsd, Aug. 1, 1956. Records available: 1947, 1949-65.

Feb. 1	25.0	Aug. 2	23.5
Mar. 1	84.0Pm	Sept. 1	24.0
Apr. 1	24.0	Oct. 1	23.0
30	25.0	Nov. 1	82.0Pm
June 1	26.0	Dec. 1	83.5Pm
July 1	80.0Pm		

25-2W-2bbb. (M-27) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 215 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.96 below lsd, July 8, 1949; lowest 88.50 below lsd, Apr. 1, 1957. Records available: 1947, 1949-65.

Feb. 1	79.0Pm	Aug. 2	85.0Pm
Mar. 1	24.5	Sept. 1	84.0Pm
Apr. 1	83.5Pm	Oct. 1	84.0Pm
30	84.0Pm	Nov. 1	22.0
June 1	84.0Pm	Dec. 1	22.0
July 1	24.0		

25-2W-3aaa. (M-27b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 80 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 12.62 below lsd, Oct. 4, 1948; lowest 32.51 below lsd, May 1, 1957. Records available: 1947-65.

Feb. 1	25.11	June 1	25.44	Oct. 1	23.49
Mar. 1	24.52	July 1	24.45	Nov. 1	22.79
Apr. 1	25.19	Aug. 2	24.69	Dec. 1	22.17
30	25.46	Sept. 1	24.08		

25-2W-3cc2. (840a) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; depth 26 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 7.90 below lsd, Aug. 4, 1952; lowest 15.53 below lsd, Apr. 1, 1955. Records available: 1952-65. Apr. 2, 14.05; July 1, 13.50; Sept. 30, 12.50; Dec. 29, 12.77.

25-2W-4aaa. (1171) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 22.67 below lsd, Apr. 2, 1957. Records available: 1950-65. Apr. 2, 20.82; July 1, 20.35; Sept. 30, 19.50; Dec. 29, 18.97.

25-2W-5bbb1. (M-51) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 17.22 below lsd, Jan. 2, 1959; lowest 83.50 below lsd, July 1, 1960. Records available: 1958-65.

Feb. 1	73.56Pm	Aug. 2	24.20
Mar. 1	74.70Pm	Sept. 1	74.40Pm
Apr. 1	75.65Pm	Oct. 1	20.39
30	24.05	Nov. 1	20.43
June 1	23.06	Dec. 1	20.68
July 1	76.03Pm		

25-2W-5bbb2. (M-51b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 0.75 foot above lsd. Highest water level 6.33 below lsd, Aug. 1, 1961; lowest 11.91 below lsd, Nov. 2, 1964. Records available: 1958-65.

Feb. 1	11.01Pc	Aug. 2	10.52
Mar. 1	11.25Pc	Sept. 1	10.93Pc
Apr. 1	11.46Pc	Oct. 1	9.92
30	11.62	Nov. 1	10.25
June 1	11.80	Dec. 1	10.35
July 1	10.95Pc		

25-2W-5bbb3. (M-51d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 162 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 18.39 below lsd, Jan. 2, 1959; lowest 53.12 below lsd, July 1, 1965. Records available: 1958-65.

Feb. 1	48.20Pc	Aug. 2	26.53
Mar. 1	48.91Pc	Sept. 1	49.75Pc
Apr. 1	52.11Pc	Oct. 1	22.90
30	26.25	Nov. 1	22.18
June 1	25.04	Dec. 1	22.54
July 1	53.12Pc		

25-2W-5bcc1. (M-52) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 40 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.72 below lsd, May 2, 1960; lowest 33.80 below lsd, Apr. 1, 1964. Records available: 1958-65.

Feb. 1	9.90	Aug. 2	28.5Pm
Mar. 1	10.30	Sept. 1	9.78
Apr. 1	10.39	Oct. 1	8.75
30	10.55	Nov. 1	27.18Pm
June 1	28.77Pm	Dec. 1	9.24
July 1	9.30		

25-2W-5bcc2. (M-52b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest

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water level 6.51 below lsd, Oct. 2, 1958; lowest 13.59 below lsd, Apr. 1, 1964. Records available: 1958-65.

Feb. 1	11.56	Aug. 2	12.43Pc
Mar. 1	12.13	Sept. 1	11.55
Apr. 1	12.20	Oct. 1	10.60
30	11.80	Nov. 1	11.92Pc
June 1	13.46Pc	Dec. 1	11.05
July 1	11.19		

25-2W-5ccd1. (M-53) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 92 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.21 below lsd, Aug. 1, 1961; lowest 34.48 below lsd, July 1, 1964. Records available: 1958-65.

Feb. 1	31.46Pm	Aug. 2	9.85
Mar. 1	10.40	Sept. 1	10.03
Apr. 1	10.86	Oct. 1	8.67
30	10.72	Nov. 1	8.77
June 1	11.25	Dec. 1	9.23
July 1	31.66Pm		

25-2W-5ccd2. (M-53b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 36 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 3.50 below lsd, Oct. 2, 1958; lowest 11.21 below lsd, July 1, 1964. Records available: 1958-65.

Feb. 1	9.17Pc	Aug. 2	8.15
Mar. 1	6.98	Sept. 1	8.40
Apr. 1	8.91	Oct. 1	7.14
30	9.05	Nov. 1	7.31
June 1	9.43	Dec. 1	7.55
July 1	9.15Pc		

25-2W-5dbb1. (M-54) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 80 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 5.35 below lsd, Aug. 1, 1961; lowest 26.87 below lsd, Apr. 30, 1965. Records available: 1958-65.

Feb. 1	24.77Pm	Aug. 2	25.56Pm
Mar. 1	25.90Pm	Sept. 1	10.88
Apr. 1	11.44	Oct. 1	9.82
30	26.87Pm	Nov. 1	10.56
June 1	12.14	Dec. 1	24.51Pm
July 1	10.90		

25-2W-5dbb2. (M-54b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 4.70 below lsd, Sept. 1, 1961; lowest 14.75 below lsd, Apr. 30, 1965. Records available: 1959-65.

Feb. 1	13.83Pc	Aug. 2	13.47Pc
Mar. 1	13.37Pc	Sept. 1	11.56
Apr. 1	12.16	Oct. 1	10.60
30	14.75Pc	Nov. 1	11.26
June 1	12.91	Dec. 1	12.00Pc
July 1	11.70		

25-2W-5dcd1. (M-55) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 47 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.06 below lsd, July 1, 1960; lowest 29.35 below lsd, July 31, 1964. Records available: 1958-65.

Feb. 1	26.97Pm	Aug. 2	13.13
Mar. 1	14.75	Sept. 1	27.2 Pm
Apr. 1	28.60Pm	Oct. 1	26.6 Pm
30	14.0	Nov. 1	11.74
June 1	28.38Pm	Dec. 1	13.14
July 1	27.60Pm		

25-2W-5dcd2. (M-55b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 40 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 5.94 below lsd, Oct. 2, 1958; lowest 14.56 below lsd, July 31, 1964. Records available: 1958-65.

Feb. 1	12.33Pc	Aug. 2	11.10
Mar. 1	12.12	Sept. 1	12.30Pc
Apr. 1	13.86Pc	Oct. 1	11.14Pc
30	12.08	Nov. 1	9.89
June 1	13.30Pc	Dec. 1	11.10
July 1	12.77Pc		

25-2W-7aaa. (114) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 3.35 below lsd, Oct. 2, 1958; lowest 9.66 below lsd, Mar. 1, 1957. Records available: 1954-65. Apr. 2, 8.36; July 1, 7.64; Sept. 30, 6.88; Dec. 29, 7.21.

25-2W-11abb. (M-30b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ 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: 1947-65.

Feb. 1	23.48Pc	Aug. 2	23.16Pc
Mar. 1	20.42	Sept. 1	19.95
Apr. 1	23.90Pc	Oct. 1	18.47
30	20.90	Nov. 1	18.80
June 1	24.21Pc	Dec. 1	17.85
July 1	22.40		

25-2W-11baa. (M-30) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 7.31 below lsd, July 8, 1949; lowest 69.00 below lsd, Dec. 31, 1956. Records available: 1947, 1949-65.

Feb. 1	54.0Pm	Aug. 2	56.0Pm
Mar. 1	22.0	Sept. 1	20.5
Apr. 1	57.0Pm	Oct. 1	19.0
30	22.0	Nov. 1	20.0
June 1	56.0Pm	Dec. 1	18.5
July 1	21.0		

25-2W-11bbb1. (M-29) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 225 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 13.01 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 2, 1958. Records available: 1947, 1949-65.

Feb. 1	24.0	Aug. 2	23.0
Mar. 1	59.0Pm	Sept. 1	57.0Pm
Apr. 1	24.0	Oct. 1	21.0
30	59.0Pm	Nov. 1	58.0Pm
June 1	24.0	Dec. 1	20.5
July 1	55.0Pm		

25-2W-11bbb2. (M-29b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 103 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 7.01 below lsd, July 2, 1951; lowest 30.55 below lsd, Mar. 1, 1957. Records available: 1947-65.

Feb. 1	20.81	Aug. 2	20.43
Mar. 1	23.53Pc	Sept. 1	23.15Pc
Apr. 1	21.05	Oct. 1	18.41
30	23.82Pc	Nov. 1	21.99Pc
June 1	21.30	Dec. 1	17.83
July 1	23.20Pc		

25-2W-11cbc. (3030) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 32 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 4.24 below lsd, July 10, 1951; lowest 16.98 below lsd, May 1, 1957. Records available: 1950-65. Apr. 2, 12.09; July 1, 11.75; Sept. 30, 10.90; Dec. 29, 10.80.

25-2W-12baa1. (M-32) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 185 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.02 below lsd, July 8, 1949; lowest 81.50 below lsd, Jan. 31, 1958. Records available: 1947, 1949-65.

Feb. 1	23.0	Aug. 2	61.5Pm
Mar. 1	62.0Pm	Sept. 1	61.0Pm
Apr. 1	62.0Pm	Oct. 1	21.0
30	22.5	Nov. 1	19.5
June 1	62.0Pm	Dec. 1	20.0
July 1	22.0		

25-2W-12baa2. (M-32b) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 71 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 8.40 below lsd, Oct. 4, 1948; lowest 31.83 below lsd, Apr. 1, 1957. Records available: 1947-65.

Feb. 1	22.50	Aug. 2	21.83Pc
Mar. 1	23.06Pc	Sept. 1	21.75Pc
Apr. 1	23.04Pc	Oct. 1	20.19
30	22.68	Nov. 1	19.61
June 1	23.47Pc	Dec. 1	19.30
July 1	22.08		

25-2W-12bba. (M-31b) City of Wichita. Drilled, water-table observation well in sand and gravel of

Pleistocene age; diameter 1 1/4 inches, depth 62 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 8.34 below lsd, July 7, 1948; lowest 35.32 below lsd, May 1, 1957. Records available: 1947-65.

Feb. 1	23.6 Pc	Aug. 2	22.60
Mar. 1	22.46	Sept. 1	21.96
Apr. 1	23.38	Oct. 1	22.60Pc
30	23.36	Nov. 1	20.80
June 1	23.82	Dec. 1	22.34Pc
July 1	24.65Pc		

25-2W-12bbb. (M-31) City of Wichita. Drilled, water-table public-supply well in sand and gravel of Pleistocene age; diameter 18 inches, depth 197 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 9.20 below lsd, July 8, 1949; lowest 67.00 below lsd, Oct. 1, 1953. Records available: 1947, 1949-65.

Feb. 1	55.0Pm	Aug. 2	22.0
Mar. 1	23.0	Sept. 1	22.0
Apr. 1	24.0	Oct. 1	62.5Pm
30	23.5	Nov. 1	21.0
June 1	24.0	Dec. 1	63.0Pm
July 1	57.0Pm		

25-2W-13bbc. (3045) Frisco Railroad. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 65 feet. Measuring point, steel plate on instrument shelf, 1.80 feet above lsd. Highest water level 11.73 below lsd, Aug. 25, 30, 1961; lowest 21.76 below lsd, Feb. 25, 1958. Records available: 1954-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	15.30	15.30	15.33	.....	.....	.....
Feb.	.....	.....	15.44	.....	.....	.....
Mar.	15.58	15.60	15.61	15.63	15.67	15.70
Apr.	15.63	15.74	15.82	15.83	15.93	16.00
May	16.02	16.09	16.04	16.14	16.06	16.12
June	16.00	15.89	.....	.....	15.61	15.59
July	15.54	15.30	15.29	15.28	15.28	15.23
Aug.	14.90	14.93	14.96	14.98	14.98	15.04
Sept.	14.84	14.84	14.78	14.53	.....	13.78
Oct.	13.76	13.76	13.73	13.73	13.73	13.74
Nov.	13.80	13.80	13.81	13.81	13.82	13.84
Dec.	13.86	13.85	13.87	13.90	.....	13.80

25-2W-14ccc. (3044) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 24 feet. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 3.64 below lsd, July 31, 1961; lowest 10.07 below lsd, Mar. 1, 1957. Records available: 1953-65. Apr. 2, 6.60; July 1, 6.07; Sept. 30, 5.18; Dec. 29, 5.47.

25-2W-16bbb. (842) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 15 feet. Measuring point, top of pipe, 1.30 feet above lsd. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 10.48 below lsd, Mar. 1, 1957. Records available: 1939-65. Apr. 2, 7.92; July 1, 7.25; Sept. 30, 7.15; Dec. 29, 7.02.

25-2W-18aab. (870) W. Williams. Driven, water-table stock well in sand and gravel of Pleistocene age; diameter 1 1/4 inches, depth 19 feet. Measuring point, top of pipe, top of pump base, 2.50 feet above lsd. Highest

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water level 0.33 below lsd, July 10, 1951; lowest 9.52 below lsd, Dec. 1, 1954. Records available: 1939-65. Apr. 2, 8.39; July 1, 7.94; Sept. 30, 7.76; Dec. 29, 7.50.

25-2W-22bbb. (115) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 2.65 below lsd, Sept. 30, 1965; lowest 8.83 below lsd, Nov. 1, 1956. Records available: 1954-65. Apr. 2, 5.97; July 1, 4.90; Sept. 30, 2.65; Dec. 29, 4.28.

25-2W-24ddd2. (3050r) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age. Measuring point, top of pipe, 0.50 foot above lsd. Highest water level 6.23 below lsd, Nov. 30, 1961; lowest 9.84 below lsd, Mar. 31, 1964. Records available: 1961-65. Apr. 2, 8.74; July 1, 7.98; Sept. 30, 7.08; Dec. 29, 7.05.

25-2W-24ddd3. (3050d) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; depth 165 feet. Measuring point, top of pipe, 0.80 foot above lsd. Highest water level 6.90 below lsd, Nov. 30, 1961; lowest 10.52 below lsd, Mar. 31, 1964. Records available: 1961-65. Apr. 2, 9.47; July 1, 8.74; Sept. 30, 7.66; Dec. 29, 7.75.

25-2W-30ccc2. (830r) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 57 feet. Measuring point, top of pipe, 0.60 foot above lsd. Highest water level 20.60 below lsd, Nov. 22, 1960; lowest 28.67 below lsd, Aug. 25, 1964. Records available: 1960-65.

Jan. 19	28.11	June 22	26.93	Sept. 30	26.20
Feb. 18	28.07	July 1	26.57	Oct. 22	26.64
Mar. 22	27.19	21	27.00	Nov. 16	26.71
Apr. 2	27.20	Aug. 16	27.62	Dec. 23	26.73
14	27.14	Sept. 20	26.82	29	26.34
May 20	27.45				

25-3W-1ddd. (3004) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 20 feet. Measuring point, top of pipe, 0.90 foot above lsd. Highest water level 4.42 below lsd, July 9, 1951; lowest 11.90 below lsd, Mar. 1, 1957. Records available: 1949-65. Apr. 2, 10.29; July 1, 9.66; Sept. 30, 9.40; Dec. 29, 9.55.

25-3W-3ddd. (3041) City of Wichita. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 17 feet. Measuring point at land surface. Highest water level 8.99 below lsd, July 31, 1961; lowest 13.63 below lsd, Oct. 1, Nov. 1, 1956. Records available: 1953-65. Apr. 2, 11.19; July 1, 10.23; Sept. 30, 10.09; Dec. 29, 10.87.

25-3W-9ccc. (834) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 18 feet. Measuring point, top of pipe, 1.50 foot above lsd. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 13.04 below lsd, Oct. 1, 1956. Records available: 1938-65. Apr. 2, 10.34; July 1, 7.32; Sept. 30, 8.47; Dec. 29, 9.45.

25-3W-33ba. (838) City of Wichita. Driven, water-table observation well in sand; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 16.69 below lsd, Jan. 1, 1961; lowest dry entire year of 1955. Records available: 1938-53, 1955, 1958-65. Apr. 2, 26.16; July 1, 25.19; Sept. 30, 25.03; Dec. 29, 25.20.

26-1E-21bbb. (809) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 3.60 feet above lsd. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.68 below lsd, Jan. 31, 1957. Records available: 1938-65. Apr. 2, 14.10; July 1, 12.32; Sept. 30, 10.03; Dec. 29, 11.72.

26-1W-16ddd. (804r) City of Wichita. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 0.33 foot above lsd. Highest water level 1.47 below lsd, Sept. 20, 1965; lowest 5.30 below lsd, July 29, 1964. Records available: 1962-65.

Jan. 19	3.65	June 22	3.00	Sept. 30	1.65
Feb. 18	3.63	July 1	2.28	Oct. 22	2.47
Mar. 22	3.97	21	2.74	Nov. 19	2.95
Apr. 2	3.85	Aug. 16	3.76	Dec. 23	3.27
14	3.61	Sept. 20	1.47	29	2.62
May 20	3.26				

26-1W-19ab. (805) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 41 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.57 below lsd, May 2, 1945; lowest 8.66 below lsd, Jan. 3, 1956. Records available: 1938-65.

Jan. 19	4.52	June 22	4.50	Sept. 30	3.18
Feb. 18	4.51	July 1	3.88	Oct. 22	2.73
Mar. 22	4.50	21	4.30	Nov. 16	4.17
Apr. 2	4.68	Aug. 16	4.39	Dec. 23	4.26
14	4.54	Sept. 20	3.06	29	3.73
May 20	4.43				

26-2W-10bb. (807) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 37 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 17.97 below lsd, July 1, 1957; lowest 25.57 below lsd, Oct. 1, 1956. Records available: 1938-65.

Jan. 19	23.62	June 22	23.59	Sept. 30	23.16
Feb. 18	23.68	July 1	23.40	Oct. 22	23.04
Mar. 22	23.79	21	23.29	Nov. 16	23.10
Apr. 2	23.50	Aug. 16	23.67	Dec. 23	23.16
14	23.55	Sept. 20	23.39	29	23.02
May 20	23.77				

26-2W-22aba. Al Stoltz. Drilled irrigation well in sand and gravel of Pleistocene age; diameter 6 inches, depth 42 feet. Measuring point, bottom inside lip elbow, 1.25 feet above lsd. Highest water level 3.58 below lsd, Dec. 19, 1960; lowest 8.44 below lsd, Aug. 25, 1964. Records available: 1960-65.

Jan. 19	7.34	May 20	7.14	Sept. 20	7.48
Feb. 28	7.39	June 22	7.03	Oct. 22	6.95
Mar. 22	6.99	July 21	7.46	Nov. 16	6.95
Apr. 14	6.94	Aug. 16	7.82	Dec. 23	6.81

26-3W-18bc. (808) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest 24.32 below lsd, Oct. 20, 1960. Records available: 1938-53, 1958-65.

Jan. 19	23.63	June 22	23.69	Sept. 30	23.45
Feb. 18	23.71	July 1	23.50	Oct. 22	23.50
Mar. 22	23.68	21	22.60	Nov. 16	23.49
Apr. 2	23.62	Aug. 16	23.74	Dec. 23	23.42
14	23.61	Sept. 20	23.58	29	23.34
May 20	23.79				

27-1E-6dcc. (847) City of Wichita. Driven, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 25 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 10.55 below lsd, May 8, 1944; lowest 22.10 below lsd, June 27, 1962. Records available: 1939-65. Apr. 2, 17.16; July 1, 13.93; Sept. 30, 14.68; Dec. 29, 16.08.

27-1E-18cc. (26) Wichita Water Co. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 26 inches, depth 47 feet. Measuring point, steel plate on instrument shelf, 0.86 foot above lsd since June 16, 1965. Highest water level 4.24 below lsd, July 2, 1951; lowest 28.59 below lsd, Sept. 8, 1954. Records available: 1937-65.

Jan. 22	13.96	June 11	9.99	Oct. 1	11.57
29	14.05	18	9.59	8	12.08
Mar. 26	13.89	25	9.18	15	12.42
Apr. 9	13.83	July 2	9.22	Nov. 5	12.37
16	13.96	30	12.19	12	12.61
23	14.00	Aug. 13	13.60	19	12.72
30	14.04	20	13.15	Dec. 2	12.97
May 7	14.30	27	13.16	10	12.99
14	14.54	Sept. 3	12.18	17	13.09
21	14.12	10	12.01	23	13.13
June 4	13.39	24	10.32		

27-1W-26ddd. U.S.G.S. and K.G.S. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 6 to 2 inches, depth 87 feet. Measuring point, hole in recorder base, 2.00 feet above lsd. Highest water level 6.15 below lsd, May 10, 1961; lowest 9.63 below lsd, Aug. 25, Oct. 25, 1964. Records available: 1959-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	8.51	8.58	.....	8.68	8.68	8.75
Feb.	.....	8.80	8.79	8.72	8.82	.....
Mar.	8.61	8.60	8.61	8.68	8.71	8.77
Apr.	8.53	8.46	8.53	8.54	8.57	8.61
May	8.63	8.76	8.41	8.27	8.25	8.07
June	6.84	6.44	6.50	6.57	6.93	7.06
July	7.12	7.15	7.40	7.60	7.75	7.97
Aug.	8.22	8.39	8.50	8.65	8.64	8.74
Sept.	8.45	7.90	7.91	7.43	7.28	7.22
Oct.	7.15	6.93	.....	8.06	8.03	8.27
Nov.	8.39	8.50	8.53	8.62	.....	.....
Dec.	.....	8.89	8.50	.....	8.95	.....

28-1W-2cbb. Bill Vanderhaff. Driven, domestic and stock well in sand and gravel of Pleistocene age; diameter 1½ inches, depth 30 feet. Measuring point, top of pipe, 0.40 foot above lsd. Highest water level 9.90 below lsd, July 16, 1962; lowest 11.20 below lsd, Apr. 29, 1959. Records available: 1959-65. Mar. 17, 11.01 Pm; June 22, 11.13; Sept. 14, 10.99. Measurement discontinued.

28-1W-15ac. Floyd Hinckley. Drilled, abandoned stock well in sand and gravel of Pleistocene age; diameter 5 inches, depth 38 feet. Measuring point, top of 5-inch casing on north side of well, 2.20 feet above lsd. Highest

water level 25.18 below lsd, Sept. 20, 1965; lowest 27.79 below lsd, Nov. 20, 1964. Records available: 1964-65.

Jan. 19	27.15	May 20	26.63	Sept. 20	25.18
Feb. 18	27.27	June 22	25.99	Oct. 22	27.19
Mar. 22	27.20	July 21	27.07	Nov. 16	26.88
Apr. 14	27.12	Aug. 16	27.19	Dec. 23	27.15

28-1W-36adc. George Lipke. Drilled irrigation well in sand and gravel of Pleistocene age; diameter 10 inches, depth 58 feet. Measuring point, hole in south edge of pump, 1.20 feet above lsd. Highest water level 28.47 below lsd, Apr. 16, 1962; lowest 31.22 below lsd, Dec. 14, 1964. Records available: 1959-65.

Mar. 22	30.07	July 21	30.49	Nov. 16	29.75
Apr. 14	29.99	Aug. 16	30.41	Dec. 23	29.80
May 20	30.10	Sept. 20	30.20		

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31-31W-8bc. J. A. Fleming. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 400 feet. Measuring point, edge of ¾-inch hole in northwest corner pump-head base, 0.50 foot above lsd. Highest water level 167.55 below lsd, June 12, 1962; lowest 180.36 below lsd, June 8, 1964. Records available: 1962-65.

Jan. 27	169.10	June 14	178.33	Dec. 21	173.64
Mar. 3	169.30	Sept. 22	171.55		

31-34W-5aa. Bob Harlow. Drilled, abandoned water-table irrigation well in Ogallala Formation and deposits of Pleistocene age; diameter 6 inches, depth 44 feet. Measuring point, edge of ½-inch hole in southeast side of cover plate, at land surface. Highest water level 35.70 below lsd, Dec. 1, 1965; lowest 39.91 below lsd, Jan. 28, 1965. Records available: 1962-65.

Jan. 28	39.91	June 9	39.82	Dec. 1	35.70
Mar. 1	39.53	Sept. 8	36.25		

32-32W-14bbb. Frank E. Dufield. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 420 feet. Measuring point, hole in southwest corner pump base, 0.6 foot above lsd. Highest water level 182.33 below lsd, Dec. 11, 1964; lowest 186.95 below lsd, Aug. 2, 1965. Records available: 1964-65.

1964	1965	Aug. 2	186.95
Dec. 11	182.33	Jan. 27	184.29
		Oct. 25	186.22

32-33W-21cd. (15) Cabot Carbon Co. Drilled, water-table domestic and stock well in alluvium; diameter 5 inches, depth 53 feet. Measuring point, top of hole cut in steel disk, 0.20 foot above lsd. Highest water level 15.88 below lsd, May 3, 1944; lowest 19.60 below lsd, July 11, 1960. Records available: 1940-65. Jan. 19, 17.31; Apr. 20, 17.51; Aug. 2, P; Oct. 25, 17.12.

33-33W-29dd. Owner unknown. Drilled stock well in Ogallala Formation and sand and gravel of Pleistocene age; diameter 4 inches, depth 176 feet. Measuring point, top west side of casing, 0.80 foot above lsd. Highest water level 168.25 below lsd, Nov. 13, 1956; lowest 173.75 below lsd, July 29, 1964. Records available:

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1955-65. Jan. 19, 170.86; Apr. 20, 170.98; Aug. 2, 170.79; Oct. 25, P.

35-34W-10bbb. John Grover. Drilled, water-table irrigation well in undifferentiated deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 352 feet. Measuring point, bottom of pump, north side, 1.00 foot above lsd. Highest water level 80.88 below lsd, July 28, 1964; lowest 89 below lsd, May 1954 (erroneously reported previously as May 1964). Records available: 1954, 1964-65.

Jan. 19	P	Apr. 20	P	Oct. 25	87.12
27	81.85	Aug. 2	P		

SHAWNEE COUNTY

10-13E-31baa. Owner unknown. Drilled observation well in alluvium; diameter 1¼ inches, depth 33 feet. Measuring point, top of pipe, 1.75 feet above lsd. Highest water level 11.30 below lsd, Dec. 1, 1961; lowest 17.25 below lsd, Aug. 3, 1964. Records available: 1959-65.

Jan. 4	16.02	May 3	15.30	Sept. 1	16.53
Feb. 2	15.91	June 1	15.19	Oct. 4	14.68
Mar. 2	15.73	July 1	14.74	Nov. 1	14.55
Apr. 1	15.46	Aug. 3	15.74	30	14.63

10-14E-5dcc. U.S.G.S. Bored, water-table observation well in terrace deposits of Wisconsinan age; diameter 1 inch, depth 23 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 4.23 below lsd, July 24, 1963; lowest 6.49 below lsd, Feb. 6, 1964. Records available: 1963-64. Measurement discontinued.

11-15E-7cdc. Carl Nuzman. Drilled irrigation well; diameter 18 inches, depth 52 feet. Measuring point, top of plastic pipe in pump base, 1.00 foot above lsd. Highest water level 16.79 below lsd, Nov. 1, 1965; lowest 17.45 below lsd, Nov. 30, 1965. Records available: 1965. Oct. 29, 16.99; Nov. 1, 16.79; Nov. 30, 17.45.

11-15E-13ccc. (17) J. H. Skinner Co. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 77 feet. Measuring point, hole in southeast section of pump base, 0.80 above lsd. Highest water level 28.04 below lsd, Oct. 10, 1958; June 1, 1959; lowest 33.70 below lsd, June 2, 1964. Records available: 1958-65.

Jan. 4	32.50	May 3	32.65	Sept. 1	30.56
Feb. 2	32.70	June 1	32.52	Oct. 4	30.10
Mar. 2	32.78	July 1	31.77	Nov. 1	30.06
Apr. 1	32.62	Aug. 3	30.51	30	30.35

11-15E-13dac. (2) Goodyear Tire and Rubber Co. Drilled, water-table observation well in alluvium; diameter 2 inches, depth 69 feet. Measuring point, top east edge of pipe coupling, 2.30 feet above lsd. Highest water level 28.67 below lsd, June 2, 1960; lowest 35.90 below lsd, May 4, 1964. Records available: 1958-65.

Jan. 4	34.70Pc*	July 1	33.10Pc*
Feb. 2	35.05Pc*	Aug. 3	31.25
Mar. 2	35.09Pc*	Sept. 1	31.46
Apr. 1	35.34Pc*	Oct. 4	31.95Pc*
May 3	33.64Pc*	Nov. 1	32.15Pc*
June 1	33.88Pc*	30	32.24Pc*

* Well pumping 110 feet west.

11-15E-13dbc. (4) Goodyear Tire and Rubber Co. Drilled, water-table observation well in alluvium; diameter 2 inches, depth 77 feet. Measuring point, top east edge of coupling, 1.50 feet above lsd. Highest water level 29.96 below lsd, Dec. 1, 1958; lowest 35.65 below lsd, May 4, 1964. Records available: 1958-65.

Jan. 4	34.08Pc*	July 1	33.88Pc*
Feb. 2	34.60Pc*	Aug. 3	33.14Pc*
Mar. 2	34.78Pc*	Sept. 1	33.05Pc*
Apr. 1	35.18Pc*	Oct. 4	32.80Pc*
May 3	35.15Pc*	Nov. 1	32.39Pc*
June 1	34.80Pc*	30	32.82Pc*

* Well pumping 100 feet north.

11-15E-13dbd. (3) Goodyear Tire and Rubber Co. Drilled, water-table observation well in alluvium; diameter 2 inches, depth 76 feet. Measuring point, top east edge of pipe, 2.20 feet above lsd. Highest water level 27.61 below lsd, Dec. 1, 1958; lowest 34.32 below lsd, May 1, 1964. Records available: 1958-65.

Jan. 4	32.96Pc*	July 1	32.14Pc*
Feb. 2	33.02Pc*	Aug. 3	30.65Pc*
Mar. 2	33.24Pc*	Sept. 1	31.00Pc*
Apr. 1	33.75Pc*	Oct. 4	30.90Pc*
May 3	33.20Pc*	Nov. 1	31.02Pc*
June 1	33.05Pc*	30	31.00Pc*

* Well pumping 100 feet west.

11-15E-13dcb. (5) Topeka Implement Co. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 41 feet. Measuring point, top east edge of pipe, 2.00 feet above lsd. Highest water level 29.20 below lsd, Oct. 9, 1958; lowest 35.10 below lsd, May 4, 1964. Records available: 1958-65. Measurement discontinued.

11-15E-14adb. (15) Howard Jackson. Drilled, water-table irrigation well in alluvium; diameter 24 inches, depth 58 feet. Measuring point, 1½-inch opening in floor on north side of pump, at land surface. Highest water level 29.30 below lsd, Dec. 16, 1933; lowest 35.73 below lsd, May 4, 1964. Records available: 1933, 1959-65.

Jan. 4	34.90	May 3	35.02	Sept. 1	33.33
Feb. 2	34.92	June 1	34.96	Oct. 4	32.70
Mar. 2	34.96	July 1	33.62	Nov. 1	32.89
Apr. 1	34.95	Aug. 3	32.96	30	33.17

11-15E-14cbb. (13) R. H. Stover. Drilled, water-table irrigation well in alluvium; diameter 17 inches, depth 92 feet. Measuring point, plus mark south edge of pump, 1.00 foot above lsd. Highest water level 28.73 below lsd, Jan. 6, 1959; lowest 33.90 below lsd, Feb. 3, 1964. Records available: 1959-65.

Jan. 4	32.64	May 3	32.39	Sept. 1	30.68
Feb. 2	32.72	June 1	32.37	Oct. 4	29.90
Mar. 2	32.68	July 1	30.94	Nov. 1	30.32
Apr. 1	32.57	Aug. 3	30.32	30	30.70

11-15E-14ccb. (12) State of Kansas. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top east edge of pipe, 0.70 foot above lsd. Highest water level 24.80 below lsd, Oct. 10, 1958; lowest 30.70 below lsd, May 4, 1964. Records available: 1958-65.

Jan.	4	29.99	May	3	29.70	Sept.	1	27.45
Feb.	2	30.10	June	1	29.66	Oct.	4	27.06
Mar.	2	30.10	July	1	28.20	Nov.	1	27.39
Apr.	1	29.90	Aug.	3	27.45		30	27.90

11-15E-14dbb. (14) R. Stover. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 39 feet. Measuring point, top east edge of pipe, 0.70 foot above lsd. Highest water level 25.90 below lsd, Jan. 6, 1959; lowest 30.93 below lsd, June 2, 1964. Records available: 1958-65.

Jan.	4	29.94	May	3	29.93	Sept.	1	28.11
Feb.	2	29.98	June	1	29.90	Oct.	4	27.43
Mar.	2	30.00	July	1	28.59	Nov.	1	27.67
Apr.	1	29.98	Aug.	3	27.99		30	28.03

11-15E-16dca. State Board of Agriculture. Drilled, water-table observation well in alluvium; diameter 18 inches, depth 38 feet. Measuring point, top of casing, 0.80 foot above lsd. Highest water level 8.87 below lsd, July 16, 1951; lowest 31.34 below lsd, Apr. 10, 15, 1957. Records available: 1950-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	26.03	26.08	26.10	26.10	26.15	26.15
Feb.	26.19	26.19	26.22	26.23	26.26	.....
Mar.	26.25	26.18	26.09	26.07	26.00	25.96
Apr.	25.88	25.84	25.73	25.62	25.55	25.52
May	25.47	25.49	25.48	25.55	25.55	25.49
June	25.28	24.95	24.36	24.18	24.17	23.68
July	23.08	22.90	22.85	22.89	23.00	23.01
Aug.	23.26	23.43	23.58	23.75	23.87	24.02
Sept.	24.08	24.10	23.95	23.94	23.00	22.80
Oct.	22.85	22.98	23.15	23.35	23.54	23.70
Nov.	23.89	24.03	24.15	24.28	24.40	24.54
Dec.	24.62	24.72	24.84	24.92	25.03	25.09

11-15E-22aaa. (11) F. E. Baird. Dug and drilled, water-table irrigation well in alluvium; diameter 12 inches, depth 50 feet. Measuring point, notch in 2x6 plank over well pit, 1.00 foot above lsd. Highest water level 24.50 below lsd, Dec. 1, 1958; lowest 29.25 below lsd, June 2, 1964. Records available: 1958-65.

Jan.	4	28.55	May	3	28.19	Sept.	1	26.20
Feb.	2	28.66	June	1	28.24	Oct.	4	25.60
Mar.	2	28.67	July	1	26.80	Nov.	1	25.91
Apr.	1	28.42	Aug.	3	25.89		30	26.30

11-15E-22cac. (10A) E. L. Whiteman. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 48 feet. Measuring point, 1-inch threaded hole in south section of pump, 0.50 foot above lsd. Highest water level 13.84 below lsd, May 3, July 1, 1960; lowest 18.46 below lsd, May 1, 1961. Records available: 1958-65.

Jan.	4	17.95	May	3	17.29	Sept.	1	15.76
Feb.	2	18.15	June	1	17.32	Oct.	4	15.08
Mar.	2	17.87	July	1	14.90	Nov.	1	15.25
Apr.	1	16.98	Aug.	3	14.49		30	15.86

11-15E-23dbd. (10) J. G. Meier. Drilled, water-table irrigation well in alluvium; diameter 18 inches,

depth 52 feet. Measuring point, hole in pump base, 1.60 feet above lsd. Highest water level 21.76 below lsd, July 1, 1960; lowest 26.64 below lsd, Apr. 1, 1964. Records available: 1958-65.

Jan.	4	26.26	May	3	25.74	Sept.	1	24.00
Feb.	2	26.42	June	1	25.66	Oct.	4	23.08
Mar.	2	26.10	July	1	22.98	Nov.	1	23.23
Apr.	1	25.08	Aug.	3	22.65		30	23.98

11-15E-24abc. (6) S. A. Meier. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 53 feet. Measuring point, hole in northwest section of pump base, 0.80 foot above lsd. Highest water level 23.17 below lsd, Dec. 1, 1958; lowest 29.62 below lsd, June 2, 1964. Records available: 1958-65.

Jan.	4	28.46	May	3	28.57	Sept.	1	26.33
Feb.	2	28.77	June	1	28.53	Oct.	4	26.16
Mar.	2	28.93	July	1	27.55	Nov.	1	25.94
Apr.	1	28.82	Aug.	3	P		30	26.25

11-15E-24acd. (8) Jackson Greenhouse. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 43 feet. Measuring point, top of pipe, 0.06 foot below lsd. Highest water level 23.30 below lsd, Oct. 9, 1958; lowest 28.86 below lsd, June 2, 1964. Records available: 1958-65.

Jan.	4	28.11	May	3	27.85	Sept.	1	25.18
Feb.	2	28.28	June	1	27.94	Oct.	4	25.26
Mar.	2	28.35	July	1	26.54	Nov.	1	25.14
Apr.	1	27.81	Aug.	3	25.22		30	25.78

11-15E-24ada. (7) J. H. Skinner and Co. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 77 feet. Measuring point, hole in northwest section of pump base, 0.60 foot above lsd. Highest water level 23.29 below lsd, Dec. 1, 1958; lowest 28.32 below lsd, June 2, 1964. Records available: 1958-65.

Jan.	4	27.98	May	3	P	Sept.	1	25.13
Feb.	2	27.54	June	1	27.27	Oct.	4	24.64
Mar.	2	27.62	July	1	26.22	Nov.	1	24.68
Apr.	1	27.43	Aug.	3	24.89		30	25.00

11-15E-24dbd. (9) I. A. Brown. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 32 feet. Measuring point, top edge of pipe, 3.20 feet above lsd. Highest water level 15.40 below lsd, Apr. 4, 1960; lowest 22.00 below lsd, Apr. 1, 1964. Records available: 1958-65.

Jan.	4	21.55	May	3	20.97	Sept.	1	19.52
Feb.	2	21.69	June	1	20.67	Oct.	4	18.25
Mar.	2	21.55	July	1	16.95	Nov.	1	18.75
Apr.	1	20.04	Aug.	3	16.99		30	19.30

11-16E-18cad. (1) R. W. Sowell. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 40 feet. Measuring point, top east edge of pipe, 2.50 feet above lsd. Highest water level 24.10 below lsd, Oct. 10, 1958; lowest 29.67 below lsd, June 2, 1964. Records available: 1958-65.

SHAWNEE COUNTY—concluded.

Jan. 4	28.55	May 3	28.59	Sept. 1	26.98
Feb. 2	28.80	June 1	28.58	Oct. 4	26.36
Mar. 2	28.92	July 1	27.86	Nov. 1	26.50
Apr. 1	28.80	Aug. 3	26.89	30	26.82

11-16E-19ddd. (19) Gibson Bros. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 50 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 23.41 below lsd, July 2, 1962; lowest 27.30 below lsd, Apr. 1, June 2, 1964. Records available: 1962-65.

Jan. 4	26.76	May 3	26.20	Sept. 1	24.14
Feb. 2	26.88	June 1	26.30	Oct. 4	23.88
Mar. 2	26.99	July 1	25.08	Nov. 1	23.80
Apr. 1	26.32	Aug. 3	23.75	30	24.26

11-16E-20bc. (18A) Mrs. Ray Mitchell. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 44 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 20.65 below lsd, Oct. 4, 1965; lowest 23.94 below lsd, Apr. 1, 1964. Records available: 1962-65.

Jan. 4	23.28	May 3	23.13	Sept. 1	21.28
Feb. 2	23.40	June 1	23.12	Oct. 4	20.65
Mar. 2	23.48	July 1	22.02	Nov. 1	20.80
Apr. 1	23.25	Aug. 3	21.33	30	21.10

SHERIDAN COUNTY

7-29W-30aab. Darman Hill. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 179 feet. Measuring point, hole in pump base, 0.75 foot above lsd. Highest water level 120.47 below lsd, Jan. 15, 1963; lowest 127.50 below lsd, July 10, 1963. Records available: 1962-65.

Mar. 10	121.66	July 8	122.14	Dec. 7	122.28
June 9	122.76	Sept. 9	123.85		

7-30W-24ddd. U.S.G.S. Drilled observation well in Ogallala Formation; diameter 1¼ inches, depth 231 feet. Measuring point, hole in recorder floor, 3.2 feet above lsd. Highest water level 119.3 below lsd, Jan. 31, Feb. 25, 1965; lowest 127.4 below lsd, Aug. 18, 1965. Records available: 1964-65.

1964		Apr. 25	121.6	Oct. 20	121.60
Oct. 29	120.96	30	120.2	25	121.36
1965		May 18	121.8	30	121.25
Jan. 25	120.0	26	121.3	Nov. 1	121.25
31	119.3	June 9	121.3	5	120.90
Feb. 5	119.5	14	121.0	10	120.90
10	120.1	July 8	120.3	15	120.69
15	120.1	21	123.1	20	120.55
20	119.6	28	125.4	25	120.58
25	119.3	31	125.9	30	120.65
28	119.6	Aug. 13	127.0	Dec. 1	120.50
Mar. 5	119.7	18	127.4	5	120.62
10	119.6	20	126.5	7	120.40
15	119.6	Sept. 9	123.65	10	120.35
20	119.7	Oct. 6	121.72	15	120.43
30	119.6	10	121.52	20	120.28
Apr. 22	122.5	15	121.34	25	120.20

8-28W-28dad. Clance Shamberger. Drilled stock well in Ogallala Formation; diameter 6 inches, depth 106 feet. Measuring point, hole in south side of pump base, 1.00 foot above lsd. Highest water level 45.11 below lsd, Apr. 12, 1960; lowest 78.86 below lsd, Dec. 7, 1965. Records available: 1960-65. Mar. 10, P; June 9, P; Sept. 9, P; Dec. 7, 78.86.

8-30W-13daa. U.S.G.S. Drilled, water-table observation and test well in Ogallala Formation; diameter 1¼ inches, depth 252 feet. Measuring point, top of casing, 2.00 feet above lsd. Highest water level 109.07 below lsd, Nov. 2, 1964; lowest 110.75 below lsd, Sept. 9, 1965. Records available: 1964-65. 1964: Nov. 2, 109.07.

Mar. 10	109.32	July 8	110.01	Dec. 7	110.10
June 9	110.15	Sept. 9	110.75		

9-30W-35bbb. David Baalman. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 220 feet. Measuring point, hole in west side of pump base, 0.50 foot above lsd. Highest water level 121.84 below lsd, Apr. 11, 1963; lowest 145.50 below lsd, July 10, 1963. Records available: 1962-65. Mar. 10, 125.19; June 9, 127.61; Sept. 9, 127.56; Dec. 7, 125.01.

10-30W-8ddd. U.S.G.S. Drilled, water-table observation well in Ogallala Formation; diameter 1¼ inches, depth 181 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 93.95 below lsd, Dec. 7, 1965; lowest 95.30 below lsd, June 9, 1965. Records available: 1964-65. 1964: Dec. 16, 94.62.

Mar. 10	94.77	July 8	94.62	Dec. 7	93.95
June 9	95.30	Sept. 9	95.05		

10-30W-17dad. James Schroeder. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 167 feet. Measuring point, hole in east side of pump base, 0.70 foot above lsd. Highest water level 59.60 below lsd, Apr. 11, 1963; lowest 98.05 below lsd, Sept. 14, 1964. Records available: 1962-65. Mar. 10, 64.15; June 9, 63.38; Sept. 9, 63.23; Dec. 7, P.

SHERMAN COUNTY

6-42W-2aaa. Harvey J. Stewart. Drilled, unused, water-table stock well in Ogallala Formation; diameter 6 inches, depth 225 feet. Measuring point, top of casing, 0.70 foot above lsd. Highest water level 180.10 below lsd, July 12, 1961; lowest 184.40 below lsd, Dec. 6, 1965. Records available: 1959-65. Mar. 9, 181.86; June 8, 182.41; Dec. 6, 184.40.

7-39W-30ccb. Bernard Borgman. Drilled, water-table irrigation well in Ogallala Formation; depth 269 feet. Measuring point, inside of pump-head base on the east side just north of the E-W axis of the pump, 0.75 foot above lsd. Highest water level 113.34 below lsd, Jan. 14, 1963; lowest 122.02 below lsd, Sept. 16, 1964. Records available: 1962-65. Mar. 9, 119.21; June 8, 120.78; Sept. 8, 120.83; Dec. 6, 118.33.

7-40W-36bab. U.S.G.S. Drilled, water-table observation well in Ogallala Formation, diameter 1¼ inches, depth 242 feet. Measuring point, top of pipe, 1.00 foot above lsd. Highest water level 108.72 below lsd, Dec. 15, 1964; lowest 111.67 below lsd, Sept. 8, 1965. Records available: 1964-65. Mar. 9, 108.99; June 8, 110.24; Sept. 8, 111.67; Dec. 6, 109.46.

8-39W-15ccc. Thomas Cebula. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 269 feet. Measuring point, hole in west side pump base, 1.30 feet above lsd. Highest water level 126.48 below lsd, Aug. 4, 1949; lowest 136.63 below lsd, June 8, 1965. Records available: 1949, 1963-65. Mar. 9, 133.85; June 8, 136.63; Sept. 8, P; Dec. 6, 136.31.

8-39W-31abc. Kenneth Armstrong. Drilled, water-table observation well in Ogallala Formation; diameter 5 inches, depth 193 feet. Measuring point, top of casing on north side, 2.70 feet above lsd. Highest water level 147.60 below lsd, June 20, 1963; lowest 188.71 below lsd, Dec. 15, 1964. Records available: 1963-65. Mar. 9, 160.15; June 8, 162.13; Sept. 8, 167.04; Dec. 6, 159.92.

8-40W-24aaa. U.S.G.S. Drilled observation well in Ogallala Formation, diameter 1¼ inches, depth 228 feet. Measuring point, floor of recorder house, 3.65 feet above lsd. Highest water level 153.39 below lsd, Jan. 27, 1965; lowest 156.95 below lsd, Sept. 30, 1965. Records available: 1964-65.

1964	July	7	154.80	Oct.	15	156.72
Oct. 28		9	154.96		20	156.50
Dec. 15		20	154.97		26	156.40
1965		24	155.15		30	156.25
Jan. 25		27	155.24	Nov.	12	156.19
27		30	155.27		15	155.93
31	Aug.	3	155.28		18	155.97
Feb. 3		6	155.46		20	155.55
Mar. 9		10	155.55		25	155.80
31		15	155.60		30	155.55
Apr. 5		23	155.91	Dec.	1	155.65
10		8	156.26		6	155.65
13	Sept.	9	156.86		8	155.63
15		24	156.68		10	155.60
20		25	156.70		13	155.53
25		30	156.95		15	155.47
May 18	Oct.	1	156.86		20	155.35
June 8		5	156.60		25	155.00
14		10	156.70			

8-40W-24baa. Victoria Van Drasek Estate. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 159 feet. Measuring point, top west side of casing, 0.70 foot above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 152.15 below lsd, Sept. 8, 1965. Records available: 1948-65. Mar. 9, 149.10; June 8, 150.59; Sept. 8, 152.15 (irrigation well pumping ¼ mile east); Dec. 6, 150.29.

8-42W-4bb. Bill R. Wright. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 322 feet. Measuring point, hole in south side of pump base, 1.00 foot above lsd. Highest water level 147.73 below lsd, Jan. 14, 1963; lowest 169.32 below lsd, Dec. 6, 1965. Records available: 1962-65. Mar. 9, 165.85; June 8, 167.91; Sept. 8, 160.90; Dec. 6, 169.32.

8-42W-31dcd. U.S.G.S. Drilled, water-table observation well in Ogallala Formation; diameter 1¼ inches, depth 181 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 57.30 below lsd, Oct. 28, 1964; lowest 58.47 below lsd, Sept. 8, 1965. Records available: 1964-65. 1964: Oct. 28, 57.30.

Mar. 9	57.42	July 7	58.24	Dec. 6	58.10
June 8	58.20	Sept. 8	58.47		

9-39W-30cbb. Charles Glenn. Drilled, unused, water-table well in Ogallala Formation; diameter 6 inches, depth 135 feet. Measuring point, top south side of casing, at land surface. Highest water level 117.99 below lsd, Jan. 20, 1953; lowest 122.41 below lsd, Dec. 6, 1965. Records available: 1948-65. Mar. 9, 119.75; June 8, 119.91; Sept. 8, 119.58; Dec. 6, 122.41.

9-40W-29bbb. Drilled, water-table observation well in Ogallala Formation; diameter 1¼ inches, depth 242 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 118.44 below lsd, Mar. 9, 1965; lowest 122.00 below lsd, Oct. 28, 1964. Records available: 1964-65. Mar. 9, 118.44; June 8, 119.28; Sept. 8, 120.46; Dec. 6, 119.75.

9-42W-8aaa. U.S.G.S. Drilled, water-table observation well in Ogallala Formation; diameter 1¼ inches, depth 262 feet. Measuring point, top of pipe, 3.00 feet above lsd. Highest water level 128.89 below lsd, Oct. 28, 1964; lowest 135.28 below lsd, Sept. 8, 1965. Records available: 1964-65. 1964: Oct. 28, 128.89. 1965: Mar. 9, 129.75; June 8, 132.19; Sept. 8, 135.28; Dec. 6, 131.79.

9-42W-11cc. Emmett Blystone. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 280 feet. Measuring point, hole in north side of pump base, 1.00 foot above lsd. Highest water level 125.81 below lsd, Apr. 10, 1963; lowest 156.38 below lsd, Mar. 9, 1965. Records available: 1962-65. Mar. 9, 156.38 (irrigation well pumping 100 feet north); June 8, 138.40; Sept. 8, 142.20; Dec. 6, 139.75.

9-42W-14aaa. U.S.G.S. Drilled, water-table observation well in Ogallala Formation; diameter 1¼ inches, depth 278 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 127.90 below lsd, Oct. 28, 1964; lowest 131.35 below lsd, Sept. 8, 1965. Records available: 1964-65. 1964: Oct. 28, 127.90. 1965: Mar. 9, 129.15; June 8, 130.10; Sept. 8, 131.35; Dec. 6, 130.90.

9-42W-16cd2. Lloyd W. Fairbanks. Observation well in Ogallala Formation; diameter 5 inches, depth 183 feet. Measuring point, top of recorder floor, 2.00 feet above lsd. Highest water level 116.7 below lsd, July 7, 1965; lowest 136.15 below lsd, Aug. 25, 1965. Records available: 1965. July 7, 116.7.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Aug.			135.73	136.06	136.15	.....
Sept.	123.57	119.40	119.40	119.15	119.15	118.65
Oct.	118.20	118.05	117.80	117.76	117.65	117.49
Nov.	117.40	117.35	117.27	117.25	117.05	117.07
Dec.	117.10	116.95	116.95	116.90	116.95	116.75

10-40W-6bbb. Ray Townsend. Drilled observation well in Ogallala Formation; diameter 5 inches, depth 170 feet. Measuring point, recorder floor, 3.00 feet above lsd. Highest water level 101.0 below lsd, Nov. 10, 1965; lowest 105.33 below lsd, Sept. 20, 1965. Records available: 1965.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Sept.			105.2	105.33	105.19	105.19
Oct.	104.96	104.88	104.75	102.50	104.35	102.05
Nov.	101.75	101.0	.....	.....	104.42	104.42
Dec.	104.42	104.43	104.25	104.20	104.15	104.10

SMITH COUNTY

4-14W-32bc. U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 42 feet. Measuring point, top of pipe, 2.00 feet above lsd. Highest water level 22.55 below lsd, Aug. 14, 1962; lowest 37.62 below lsd, June 19, 1957. Records available: 1956-65. Apr. 13, 24.60; June 15, 24.50; Aug. 19, 24.40; Oct. 12, 24.55.

4-15W-31cb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 30 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 6.88 below lsd, June 13, 1961; lowest 15.65 below lsd, July 26, 1957. Records available: 1951-65. Apr. 13, 10.55; June 15, 10.50; Aug. 19, 10.60; Oct. 12, 10.20.

4-15W-34cb. U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 38 feet. Measuring point, top of pipe, 2.60 feet above lsd. Highest water level 14.10 below lsd, Sept. 19, 1961; lowest 30.20 below lsd, May 14, 1957. Records available: 1956-65. Apr. 13, 18.95; June 15, 18.90; Aug. 19, 18.65; Oct. 12, 18.65.

4-15W-34da. U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 62 feet. Measuring point, top of pipe, 3.20 feet above lsd. Highest water level 19.80 below lsd, Aug. 16, 1960; lowest 34.60 below lsd, May 14, 1957. Records available: 1956-65. Apr. 13, 29.90; June 15, 30.20; Aug. 19, 25.70; Oct. 12, 26.10.

4-15W-35cc. U.S.B.R. Drilled observation well in alluvium; diameter 1¼ inches, depth 39 feet. Measuring point, top of pipe, 2.50 feet above lsd. Highest water level 4.20 below lsd, Sept. 13, 1960; lowest 12.86 below lsd, May 14, 1957. Records available: 1956-65. Apr. 13, 9.05; June 15, 9.20; Aug. 19, 8.95; Oct. 12, 8.50.

5-13W-22bb. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 24 feet. Measuring point, top of pipe, 2.70 feet above lsd. Highest water level 3.35 below lsd, Aug. 15, 1962; lowest 12.15 below lsd, Mar. 12, 1957. Records available: 1951-65. Apr. 13, 7.80; June 15, 7.90; Aug. 19, 8.00; Oct. 13, 7.95.

5-13W-34cc. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 35 feet. Measuring point, top of pipe, 1.80 feet above lsd. Highest water level 8.69 below lsd, July 19, 1961; lowest 24.23 below lsd, June 20, 1957. Records available: 1951-61, 1963-65. Apr. 14, 11.35; June 16, 12.00; Aug. 20, 12.10; Oct. 15, 12.45.

5-13W-35ad. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 29 feet. Measuring point, top of pipe, 1.60 feet above lsd. Highest water level 15.55 below lsd, Aug. 15, 1963; lowest 24.07 below lsd, Sept. 18, 1956. Records available: 1951-65. Apr. 14, 18.70; June 16, 19.40; Aug. 20, 19.50; Oct. 15, 17.80.

5-14W-1da. U.S.G.S. Jetted observation well in terrace deposits of Pleistocene age; diameter ¾ inch, depth 38 feet. Measuring point, top of pipe, 4.10 feet above lsd. Highest water level 12.80 below lsd, Apr. 14, 1964; lowest 27.40 below lsd, Mar. 12, 1957. Records available: 1951-65. Apr. 13, 14.15; June 15, 14.35; Aug. 19, 14.40; Oct. 13, 14.30.

STAFFORD COUNTY

21-13W-27dd2. (19a) Arthur Gates. Drilled, water-table observation well in sand and gravel of Pleistocene age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 6.77 below lsd, Sept. 21, 1965; lowest 10.79 below lsd, Sept. 15, 1964. Records available: 1963-65. Mar. 26, 10.58; June 21, 9.74; Sept. 21, 6.77; Dec. 20, 7.27.

22-13W-29da1. Mrs. L. C. Walls. Bored, water-table observation well in Ogallala Formation; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 2.47 feet above lsd. Highest water level 10.11 below lsd, Sept. 27, 1961; lowest 13.96 below lsd, Mar. 26, 1965. Records available: 1961-65. Mar. 26, 13.96; June 21, 11.07; Sept. 21, 11.46; Dec. 20, 11.75.

25-13W-3bb. M. L. Halley. Driven, unused, water-table well in sand and gravel of Pleistocene age; diameter 4 inches, depth 32 feet. Sand point driven in well pit, measuring point, 0.80 foot above lsd. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-65. Mar. 24, 19.41; June 23, 14.37; Sept. 22, 15.58; Dec. 22, 15.62.

STANTON COUNTY

27-39W-27bb. M. P. Molz. Drilled, artesian irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 379 feet. Measuring point, hole in east side of steel pump base, 0.30 foot above lsd. Highest water level 78.41 below lsd, Jan. 30, 1959; lowest 133.32 below lsd, Nov. 22, 1963. Records available: 1958-65. Mar. 8, 103.24; June 9, 124.60; Sept. 7, 119.65; Dec. 27, 104.29.

27-40W-21daa. (13) Leah Carrithers. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 85 feet. Measuring point, at lower north edge of board, 1.00 foot above lsd. Highest water level 43.48 below lsd, Nov. 6, 1958; lowest 53.40 below lsd, June 9, 1965. Records available: 1939-65.

Jan. 28	52.87	June 9	53.40	Dec. 27	48.61
Mar. 8	52.79	Nov. 16	48.71		

27-42W-31cc. Earl Anderson. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age and Dakota Formation and Cheyenne Sandstone; diameter 16 inches, depth 400 feet. Measuring point, hole in east side of steel pump base, 1.00 foot above lsd. Highest water level 190.33 below lsd, Feb. 25, 1960; lowest 196.93 below lsd, Sept. 7, 1965. Records available: 1958-65.

Jan. 28	192.79	June 9	195.17	Sept. 7	196.93
Mar. 8	192.60		22 194.31		

28-39W-14bb1. Herb Campbell. Drilled, unused, artesian well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 419 feet. Measuring point, top east side of casing, at land surface. Highest water level 84.10 below lsd, May 11, 1960; lowest 98.90 below lsd, Aug. 18, 1965. Records available: 1959-65.

Jan. 6	P	July 22	98.37
25	96.24	Aug. 2	97.91Pc
28	96.16	18	98.90
Mar. 1	96.21	Sept. 7	98.67
31	96.67	17	98.57
Apr. 9	P	Oct. 4	98.27
26	97.69Pc*	21	97.88
May 10	P	Nov. 3	98.39
25	95.38Pc†	15	97.77
June 2	96.12Pc†	16	98.44
22	96.92	Dec. 1	98.79Pc
July 7	97.06	15	97.68

* Well pumping 700 feet northeast.

† Well pumping 200 feet northeast.

28-39W-20bb. Carl Levens. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 10 inches, depth 160 feet. Measuring point, lower edge of cutout on north side pump base, 1.80 feet above lsd. Highest water level 89.42 below lsd, Mar. 31, 1960; lowest 148.54 below lsd, Sept. 21, 1964. Records available: 1959-60, 1962-64. Measurement discontinued.

28-39W-29cd. Vivian Glenn. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 400 feet. Measuring point, top of southeast side of pump base, 0.50 foot above lsd. Highest water level 79.12 below lsd, May 28, 1958; lowest 123.85 below lsd, Sept. 7, 1965. Records available: 1958-65. Mar. 8, 106.56; June 9, P; Sept. 7, 123.85; Dec. 27, 99.74.

29-39W-6cc. J. Julian. Drilled, water-table irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 435 feet. Measuring point, lower edge of cutout on northwest side of pump base, 1.35 feet above lsd. Highest water level 100.00 below lsd, Nov. 1955; lowest 139.15 below lsd, Nov. 19, 1963. Records available: 1955, 1959-60, 1962-64. Measurement discontinued.

29-39W-24dd. V. E. Ruth. Drilled, water-table irrigation well in deposits of Pleistocene age; diameter 16 inches, depth 314 feet. Measuring point, slanted pipe on east side of pump, 1.00 foot above lsd. Highest water level 62.00 (erroneously published previously as 63.00) below lsd, Aug. 1948; lowest 82.70 below lsd, June 22, 1965. Records available: 1948, 1955, 1957-60, 1962-65. Jan. 28, 80.76; June 22, 82.70; Nov. 16, 80.29.

29-41W-11a. (93) Glenn Arnold. Drilled, unused, water-table well in Ogallala Formation; diameter 8 inches, depth 234 feet. Measuring point, top south edge of casing, 1.00 foot above lsd. Highest water level 173.14 below lsd, Feb. 9, 1955; lowest 197.17 below lsd, Sept. 9, 1964. Records available: 1939-65. Mar. 8, 193.22; June 9, 193.46; Sept. 7, 195.40; Dec. 27, 195.38.

30-43W-34bb. W. T. Lauman. Drilled, artesian irrigation well in deposits of Pliocene and Pleistocene age; diameter 16 inches, depth 103 feet. Measuring point, hole in south side of pump base, 1.15 feet above lsd. Highest water level 45.72 below lsd, Dec. 4, 1958; lowest 80.52 below lsd, Aug. 2, 1965. Records available: 1958-65. Jan. 19, P; Apr. 20, P; Aug. 2, 80.52 (two wells pumping ¼ mi. west); Oct. 21, 72.14.

STEVENS COUNTY

31-35W-19ccc. C. H. Bunton. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 300+ feet. Measuring point, edge of 2-inch hole in northwest side pump-head base, 0.30 foot above lsd. Highest water level 178.57 below lsd, Aug. 12, 1963; lowest 204.62 below lsd, Aug. 3, 1965. Records available: 1962-65.

Jan. 28	195.57	Aug. 3	204.62P*
Feb. 16	185.25	Nov. 16	185.88
May 10	197.59		

* Well pumping ½ mile east.

31-36W-2cdd. Mrs. Earl Clark. Drilled, artesian irrigation well in deposits of Pliocene age; diameter 16 inches, depth 410 feet. Measuring point, lower edge of cutout on east side of steel pump base, 1.00 foot above lsd. Highest water level 140.50 below lsd, Mar. 21, 1960; lowest 156.18 below lsd, Nov. 10, 1964. Records available: 1958-60, 1963-65.

Jan. 28	154.96	May 10	P	Nov. 16	156.10
Feb. 16	154.10	Aug. 3	P		

31-37W-22bcc. Walter Crofts. Drilled domestic well in Ogallala Formation; diameter 6 inches, depth 258 feet. Measuring point, top of slit in cap on casing, 0.90 foot above lsd. Highest water level 121.67 below lsd, Jan. 14, 1963; lowest 143.37 below lsd, Aug. 22, 1960. Records available: 1956-65.

Jan. 19	124.57	Apr. 9	141.19	Oct. 25	136.15
28	141.12	July 7	128.10		

33-36W-26ddd. R. Heger. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 360 feet. Measuring point, top edge of hole in pump base, 0.50 foot above lsd. Highest water level 119.10 below lsd, Feb. 6, 1962; lowest 140.73 below lsd, Apr. 20, 1965. Records available: 1942; 1944-47; 1953-65.

Jan. 19	120.82	Apr. 20	140.73	Oct. 25	124.75
28	121.30	Aug. 2	132.92		

33-38W-20aa. Forrest Farrar. Drilled domestic well in Ogallala Formation and deposits of Pleistocene age; diameter 5 inches, depth 112 feet. Measuring point, slit in steel plate over casing, 0.60 foot above lsd. Highest water level 73.03 below lsd, Oct. 7, 1963; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-63. Measurement discontinued.

33-38W-20ddb. John R. Slempp. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 405 feet. Measuring point, west lower edge of pump, 1.10 feet above lsd. Highest water level 126.32 below lsd, Feb. 13, 1961; lowest 131.00 below lsd, Apr. 18, 1959. Records available: 1959-65. Jan. 19, 127.68; Apr. 20, P; Aug. 2, P; Oct. 25, 126.64.

SUMNER COUNTY

30-1E-11aba. (25) Harold Martin. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 32 feet. Measuring point, top of pipe, 2.40 feet above lsd. Highest water level 8.93 below lsd, Dec. 28, 1961; lowest 13.43 below lsd, Dec. 19, 1956. Records available: 1954-65. Mar. 10, 10.07.

30-2E-5cdc. (1) Fred Kersey. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 28 feet. Measuring point, top of pipe, 3.10 feet above lsd. Highest water level 8.61 below lsd, June 6, 1957; lowest 14.47 below lsd, Dec. 18, 1956. Records available: 1954-65. Mar. 10, 10.35.

30-2E-7ddd1. (13) M. C. Parker. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest level 8.10 below lsd, Apr. 2, 1958; lowest 14.64 below lsd, Mar. 19, 1957. Records available: 1954-65. Mar. 10, 12.17.

30-2E-7ddd2. (14) M. C. Parker. Bored observation well in alluvium; diameter 1¼ inches, depth 27 feet. Measuring point, top of pipe, 3.30 feet above lsd. Highest water level 1.90 below lsd, Apr. 2, 1958; lowest 11.60 below lsd, Mar. 19, 1957. Records available: 1954-65. Mar. 10, 6.48.

30-2E-17db. (19) Thomas Graber. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 29 feet. Measuring point, top of pipe, 1.60

SUMNER COUNTY—concluded.

feet above lsd. Highest water level 6.65 below lsd, June 6, 1957; lowest 12.18 below lsd, Sept. 13, 1956. Records available: 1954-65. Mar 10, 9.74.

30-2E-18aa. (24) M. Carl. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 30 feet. Measuring point, top of pipe, 3.50 feet above lsd. Highest water level 8.17 below lsd, June 6, 1957; lowest 14.83 below lsd, Dec. 19, 1956. Records available: 1954-65. Mar. 10, 11.35.

30-2E-18dcc. (23) H. E. Zolter. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 26 feet. Measuring point, top of pipe, 3.80 feet above lsd. Highest water level 7.44 below lsd, Apr. 2, 1958; lowest 11.57 below lsd, Sept. 13, Dec. 19, 1956. Records available: 1954-65. Mar. 10, 9.55.

30-2E-21dcc. (21) William Van Warmer. Bored observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 13 feet. Measuring point, top of pipe, 1.50 feet above lsd. Highest water level 2.55 below lsd, Apr. 2, 1958; lowest 6.70 below lsd, Mar. 19, 1957. Records available: 1954-65. Mar. 10, 3.20.

THOMAS COUNTY

6-34W-17cbc. Conrad Dechert. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 263 feet. Measuring point, hole in west side of pump base, 0.50 foot above lsd. Highest water level 151.35 below lsd, Apr. 10, 1963; lowest 156.80 below lsd, July 10, 1963. Records available: 1962-65. Mar. 10, 151.96; June 9, 155.13; Sept. 9, 151.40; Dec. 7, 151.63.

6-35W-26acb. Lloyd N. White. Drilled observation well in Ogallala Formation; diameter 16 inches, depth 250 feet. Measuring point, top of recorder floor, 0.8 foot above lsd. Highest water level 149.35 below lsd, Dec. 30, 1965; lowest 151.21 below lsd, Sept. 5, 1965. Records available: 1965.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Sept.	151.21	151.05	150.92	150.75	150.65	150.70
Oct.	150.70	150.65	150.65	150.50	150.45	150.25
Nov.	150.20	150.15	150.00	149.40	149.77	149.81
Dec.	149.91	149.70	149.70	149.70	149.85	149.35

7-31W-26ccc. Irene Rall. Drilled, water-table irrigation well in Ogallala Formation; diameter 14 inches, depth 176 feet. Measuring point, hole in inside ring of pump-head base on the east side, 0.90 foot above lsd. Highest water level 102.49 below lsd, Jan. 15, 1963; lowest 106.50 below lsd, June 9, 1965. Records available: 1962-65. Mar. 10, 103.69; June 9, 106.50; Sept. 9, 104.49; Dec. 7, 105.70.

7-36W-17ccc. Ray H. Mayer. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 225+ feet. Measuring point, hole in pump base, 1.00 foot above lsd. Highest water level 131.49 below lsd, Apr. 9, 1963; lowest 140.89 below lsd, June 9, 1965. Records available: 1962-65. Mar. 10, 132.35; June 9, 140.89; Sept. 9, 136.70; Dec. 7, 135.25.

8-32W-27dab. (26) Thomas A. Ryan. Drilled, unused, water-table well in Ogallala Formation; diameter 8 inches, depth 156 feet. Measuring point, top west side of casing, 0.60 foot above lsd. Highest water level 109.14 below lsd, Mar. 17, 1964; lowest 124.78 below lsd, Apr. 14, 1961. Records available: 1942-65. Mar. 10, 109.95 (irrigation well pumping ½ mi. SW); June 9, 110.31; Sept. 9, 110.39; Dec. 7, 110.20.

8-33W-34bbc. Harold Hills, Jr. Drilled irrigation well in Ogallala Formation; diameter 16 inches, depth 200 feet. Measuring point, hole in side of pump, 0.60 foot above lsd. Highest water level 131.38 below lsd, June 5, 1964; lowest 136.62 below lsd, Sept. 9, 1965. Records available: 1964-65. 1964: June 5, 131.38. 1965: Jan. 26, 131.74; June 9, 135.51; Sept. 9, 136.62; Dec. 7, 131.45.

8-34W-1bac. U.S.D.A. and Kansas Agricultural Experiment Station. Drilled, unused, water-table well in Ogallala Formation; depth 160 feet. Measuring point, top of casing, 0.80 foot above lsd since July 28, 1965. Highest water level 112.31 below lsd, May 27, 1954; lowest 117.05 below lsd, Nov. 30, 1965. Records available: 1947-65.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
Jan.	.....	.....	.....	.....	.....	116.48
Feb.	116.53	116.62	116.57	116.48	116.42	.....
Mar.	116.37	116.35	116.38	116.33	116.35	116.30
Apr.	116.32	116.32	116.52	116.49	116.45	116.45
May	116.51	116.55	116.92	116.53	116.55	116.54
June	116.57	116.49	116.55	116.55	116.43	116.48
July	116.38	116.35	116.34	116.55	116.80	116.42
Aug.	116.71	116.80	.....	116.97	116.95	116.95
Sept.	116.90	117.03	116.90	116.80	116.71	116.70
Oct.	116.50	116.60	117.00	116.40	116.50	116.65
Nov.	116.80	116.30	116.35	116.20	116.20	117.05
Dec.	116.05	115.97	115.95	115.85	.....	115.60

8-36W-18aba. Nora Carpenter. Drilled, unused water-table well in Ogallala Formation; diameter 6 inches, depth 140 feet. Measuring point, top of casing, 0.2 foot above lsd. Highest water level 123.41 below lsd, Mar. 10, 1965; lowest 125.25 below lsd, Sept. 15, 1964. Records available: 1964-65. 1964: Sept. 15, 125.25. 1965: Mar. 10, 123.41; June 9, 124.20; Sept. 9, 124.05; Dec. 7, 123.54.

TREGO COUNTY

12-23W-20ccc. Howard and Floyd Keyser. Drilled, water-table irrigation well in alluvium; diameter 16 inches, depth 65 feet. Measuring point, hole in pump base, 0.30 foot above lsd. Highest water level 19.22 below lsd, Sept. 14, 1960; lowest 23.87 below lsd, Sept. 15, 1964. Records available: 1960, 1964-65. Mar. 26, 19.8.

14-21W-33bcc. U.S.B.R. Drilled, water-table observation well in alluvium; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 6.70 below lsd, Mar. 20, 1961; lowest 9.70 below lsd, Apr. 16, 1965. Records available: 1961, 1963-65.

Feb. 8	9.50	June 21	9.40	Sept. 30	8.98
Mar. 26	9.69	22	9.33	Oct. 11	9.20
Apr. 16	9.70	Aug. 2	8.90		

14-21W-35ccc. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 21 feet. Measuring point, top of pipe, 1.9 feet above lsd. Highest water level 10.40 below lsd, Aug. 15, 1962; lowest 16.50 below lsd, May 13, 1964. Records available: 1961-65.

Feb. 8	13.00	June 21	12.20	Oct. 11	12.70
Apr. 16	13.00	Aug. 2	12.00		

14-21W-36aaa. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 49 feet. Measuring point, top of pipe, 2.2 feet above lsd. Highest water level 40.40 below lsd, Aug. 10, 1964; lowest dry, Aug. 15, 1962. Records available: 1961-65.

Feb. 8	44.30	June 21	43.40	Oct. 11	42.20
Apr. 16	44.90	Aug. 2	41.00		

14-21W-36bbb. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 14 feet. Measuring point, top of pipe, 1.70 feet above lsd. Highest water level 8.00 below lsd, Oct. 27, 1964; lowest 11.10 below lsd, June 5, 1962. Records available: 1961-65.

Feb. 8	9.00	June 21	8.80	Oct. 11	8.90
Apr. 16	9.50	Aug. 2	8.70		

14-22W-26add. U.S.B.R. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 74 feet. Measuring point, top of pipe, 2.30 feet above lsd. Highest water level 16.49 below lsd, Apr. 13, 1962; lowest 20.95 below lsd, June 22, 1965. Records available: 1962-65. Mar. 26, 20.48; June 22, 20.95; Sept. 30, 20.47.

14-22W-36aa. U.S.G.S. Drilled, water-table observation well in terrace deposits of Pleistocene age; diameter 1¼ inches, depth 64 feet. Measuring point, top of pipe, 1.40 feet above lsd. Highest water level 26.82 below lsd, Dec. 5, 1960; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-65. Mar. 26, 27.40; June 22, 27.39; Sept. 30, 27.35.

WALLACE COUNTY

14-42W-14dbd. Harvey Doop. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 400 feet. Measuring point, hole in west side of pump base, inside housing, 0.6 foot above lsd. Highest water level 102.06 below lsd, June 24, 1958; lowest 116.90 below lsd, Sept. 28, 1965. Records available: 1958, 1965. 1958: June 24, 102.06. 1965: June 16, 116.65; Sept. 28, 116.90.

15-38W-28dbb. Selma Nelson. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 200 feet. Measuring point, hole in west side of pump base, 0.30 foot above lsd. Highest water level 85.40 below lsd, Oct. 7, 1960; lowest 103.90 below lsd, Sept. 27, 1965. Records available: 1960-65. Jan. 28, 99.68; Mar. 10, P; June 15, 103.63; Sept. 27, 103.90.

15-39W-2bcd. Frazier Farms. Drilled, water-table irrigation well in Ogallala Formation; diameter 30 inches, depth 195 feet. Measuring point, hole in southwest side of pump, 0.20 foot above lsd. Highest water level 112.02 below lsd, June 23, 1958; lowest 126.28 below lsd, Jan. 28, 1965. Records available: 1958, 1962-65. Jan. 28, 126.28; Mar. 10, P; June 15, P.

15-39W-8acc. William Mai. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 222 feet. Measuring point, hole in northeast corner pump base, at land surface. Highest water level 104 below lsd, May 1948; lowest 133.79 below lsd, June 15, 1965. Records available: 1948, 1964-65. June 15, 133.79; Sept. 27, 132.72.

15-40W-2bbb. Owner unknown. Drilled, unused, water-table well in Ogallala Formation; diameter 5 inches, depth 112 feet. Measuring point, hole in west side of pump, 1.60 feet above lsd. Highest water level 86.68 below lsd, Mar. 31, 1959; lowest 95.83 below lsd, Sept. 27, 1965. Records available: 1958-65. Mar. 10, 91.55; June 15, P; Sept. 27, 95.83. Well destroyed.

15-41W-4baa. Don Hanson. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 260 feet. Measuring point, hole in northeast side pump base, 0.3 foot above lsd. Highest water level 120 (erroneously published previously as 119.70) below lsd, Jan. 1963; lowest 184.01 below lsd, Sept. 27, 1965. Records available: 1963-65. Jan. 28, 182.42; Sept. 27, 184.01; Dec. 28, 182.31.

WICHITA COUNTY

16-35W-20cc. F. F. Miller. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 186 feet. Measuring point, hole in base of pump, 0.50 foot above lsd. Highest water level 103.24 below lsd, May 7, 1951; lowest 129.85 below lsd, Sept. 27, 1965. Records available: 1951, 1953-65.

Jan. 29	124.72	June 15	127.72	Dec. 28	125.11
Mar. 10	123.80	Sept. 27	129.85		

16-37W-13bbc. C. Pearson. Drilled, water-table irrigation well in Ogallala Formation; depth 136 feet. Measuring point, hole in west side of pump base, at land surface. Highest water level 77.65 below lsd, June 14, 1951; lowest 98.66 below lsd, Sept. 8, 1964. Records available: 1951, 1953-65. Mar. 10, 91.35; June 15, 95.29; Sept. 27, 93.40; Dec. 28, 96.10.

16-37W-30ac. H. E. Thurston. Drilled, water-table irrigation well in Ogallala Formation; diameter 18 inches, depth 220 feet. Measuring point, hole in west side of pump base, 0.30 foot above lsd. Highest water level 81.24 below lsd, Mar. 29, 1951; lowest 118.93 below lsd, Dec. 6, 1963. Records available: 1951, 1959-65. 1951: Mar. 29, 81.24. 1965: Mar. 10, 113.30; June 15, 118.49; Sept. 27, 111.80.

16-38W-10ab. Mr. Buellet. Drilled irrigation well; depth, 210 feet. Measuring point, hole in southwest side pump base, 1.00 foot above lsd. Highest water level, 77.56 below lsd, Mar. 29, 1951; lowest 100.84 below lsd, Sept. 27, 1965. Records available: 1951, 1965.

1951		1965		Sept. 27	100.84
Mar. 29	77.56	Mar. 19	100.3	Dec. 28	97.43
		June 15	98.83		

17-35W-30cb. G. Knobbe. Drilled irrigation well; diameter 18 inches, depth 218 feet. Measuring point, east side of concrete base, at land surface. Highest water level 94.12 below lsd, Apr. 19, 1951; lowest 130.8 below lsd, Jan. 29, 1965. Records available: 1951, 1965. 1951: Apr. 19, 94.12. 1965: Jan. 29, 130.8; June 16, 119.34; Sept. 28, 130.42.

17-36W-33ccb. Eugene Berning. Drilled, water-table observation well in Ogallala Formation; diameter 16 inches, depth 186 feet. Measuring point, top of casing, 0.5 foot above lsd. Highest water level 113.37 below lsd, June 30, 1965; lowest 118.97 below lsd, Sept. 15, 1965. Records available: 1965. May 12, 115.41.

WICHITA COUNTY—concluded.

Water Levels from Recorder Graph

Month	5	10	15	20	25	30
May	.....	.....	115.30	114.87	114.55	114.33
June	114.12	113.94	113.73	113.61	113.41	113.37
July	113.92	115.85	116.68	117.30	117.86	118.20
Aug.	118.51	118.21	118.90	118.25	117.44	117.00
Sept.	116.67	118.22	118.97	117.85	117.25	116.91
Oct.	116.59	116.32	116.07	115.91	115.71	115.44
Nov.	115.21	115.03	114.87	114.69	114.48	114.42
Dec.	114.36	114.10	114.06	113.92	113.8	113.70

17-38W-21bbb. Bauck Brothers. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 164 feet. Measuring point, hole in east side pump base, 0.5 foot above lsd. Highest water level 100.38 below lsd, Dec. 28, 1965; lowest 103.15 below lsd, Sept. 27, 1965. Records available: 1965. Mar. 19, 101.20; June 16, P; Sept. 27, 103.15; Dec. 28, 100.38.

18-35W-14dc. A. H. Conrady. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 139 feet. Measuring point, hole in north side of

pump base, 0.40 foot above lsd. Highest water level 79.74 below lsd, Apr. 11, 1951; lowest 102.08 below lsd, Aug. 10, 1965. Records available: 1951, 1958-65.

Jan. 28	93.07	May 11	P	Nov. 15	92.57
Feb. 17	93.77	Aug. 10	102.08		

18-37W-21bbb. Ruth Gibson. Drilled, water-table irrigation well in Ogallala Formation; diameter 16 inches, depth 195 feet. Measuring point, edge of 1-inch hole in southwest side of pump base, 0.30 foot above lsd. Highest water level 98.26 below lsd, Feb. 20, 1962; lowest 120.69 below lsd, Nov. 15, 1965. Records available. 1962-65.

Jan. 28	114.96	May 11	P	Nov. 15	120.69
Feb. 17	113.45	Aug. 10	P		

20-36W-14da1. Elmer Hartman. Drilled, water-table observation well in Ogallala Formation, diameter 6 inches, depth 108 feet. Measuring point, top of casing, 0.50 foot above lsd. Highest water level 94.33 below lsd, Feb. 3, 1964; lowest 95.53 below lsd, Nov. 18, 1964. Records available: 1962-65. Feb. 17, 94.41.

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