

# Water Levels and Artesian Pressures in Observation Wells in the United States in 1951

## Part 4. South-Central States

*Prepared under the direction of A. N. SAYRE, Chief, Ground Water Branch*

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*Prepared in cooperation with the States  
of Arkansas, Louisiana, Oklahoma,  
and Texas, and other agencies*



**UNITED STATES DEPARTMENT OF THE INTERIOR**

**Douglas McKay, *Secretary***

**GEOLOGICAL SURVEY**

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WATER LEVELS AND ARTESIAN PRESSURES  
IN OBSERVATION WELLS IN THE UNITED STATES  
IN 1951

Part 4. SOUTH-CENTRAL

Introduction

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1951.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1066	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196

The objectives of the observation-well program are to provide a day-to-day evaluation of available ground-water supplies, to facilitate the prediction of trends in ground-water levels that will indicate the probable status of important ground-water supplies in the future, to delineate present or potential areas of detrimentally high or low ground-water levels, to aid in the prediction of the base flow of streams, to determine the several forces that act on a ground-water body, and to demonstrate the interplay of those forces in the ground-water regimen, to furnish information for use in basic research, and to provide long-term continuous records of fluctuations of water levels in representative wells. These selected records serve as a framework to which many short-term records collected during an intensive investigation may be related.

Water levels in wells are seldom stationary but move up or down a fraction of an inch or many feet within a short time. Water-table wells may be influenced by direct recharge from precipitation, withdrawals from wells or springs, evapotranspiration by vegetation, evaporation from the soil, and by changes in atmospheric pressure. Artesian wells are influenced over large areas by changes in the rate of pumping from other wells, changes in atmospheric pressure, earthquakes, ocean tides, earth tides, and by recharge from precipitation, although the recharge may not be noticeable immediately. When accurate comparisons of water levels are made it is desirable to apply corrections for these influences, several of which may be compensating or additive depending upon the conditions at those particular times.

Water-level measurements are given in feet with reference to land-surface datum or sea-level datum. Land-surface datum is a precise datum plane that is approximately at land surface at each well. Mean sea level (msl) is the datum plane on which the national network of precise levels is based. When some measurements in a table are above and others are below the plane of reference, a plus (+) or minus (-) sign is placed immediately preceding the first entry in each column. Readings between minus signs are below the plane of reference and those between plus signs are above the plane of reference.

For the most part, discussions of precipitation in this report are based on data furnished by the United States Weather Bureau.

Measurements of water levels and artesian pressures in wells were made under the direction of the district supervisors of the Ground Water Branch in the several States. Verda M. Dougherty edited the reports; Rodney Hart edited the illustrations; and Penn Livingston had

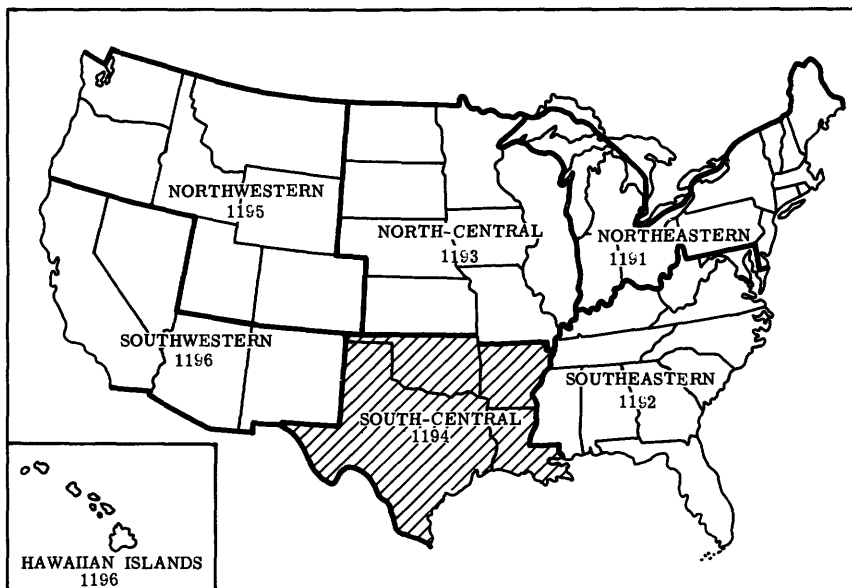


Figure 1. Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1951. The shaded area indicates the States included in this volume. 16454

general charge of the nation-wide observation-well program. This volume was typed by Mrs. Joyce Wells and completed by Mrs. Bettie Morton.

## ARKANSAS

By R. C. Baker and J. H. Criner

### Scope of Water-Level Program

The observation-well program in Arkansas was continued in 1951 in cooperation with the State Agricultural Experiment Station, the Federal Land Bank of St. Louis, and the Division of Geology of the State Resources and Development Commission. Measurements were made in 88 wells in 1951, including 31 in Arkansas County, 10 in Ashley County, 7 in Jefferson County, 10 in Lonoke County, 3 in Monroe County, and 6 in Prairie County. (See figs. 2 and 3.) In 1927 the program was centered in the Grand Prairie region. In 1946, measurements were begun in Ashley County. Records of 12 irrigation wells in northeastern Arkansas and monthly measurements in wells in Columbia and Union County are included in this report; also daily records from two recording gages.

Rice is grown in the eastern part of the State from the Missouri boundary to the Louisiana boundary, and also in small areas in southwestern Arkansas. At present more acreage is cultivated to rice outside the Grand Prairie region than in it. There has been a large increase in the industrial use of ground water in the State, particularly in the southern part. In the northwestern part of the State, known as the Paleozoic upland, investigations have been made of the occurrence and quality of ground water in the alluvium of the Arkansas River valley in the basin of Frog bayou.

### Precipitation

The total average precipitation for Arkansas in 1951 was 52.97 inches. The average precipitation for Arkansas for 62 years is 48.63. June was the wettest month with 6.93 inches average precipitation and May the driest with 1.93 inches precipitation.

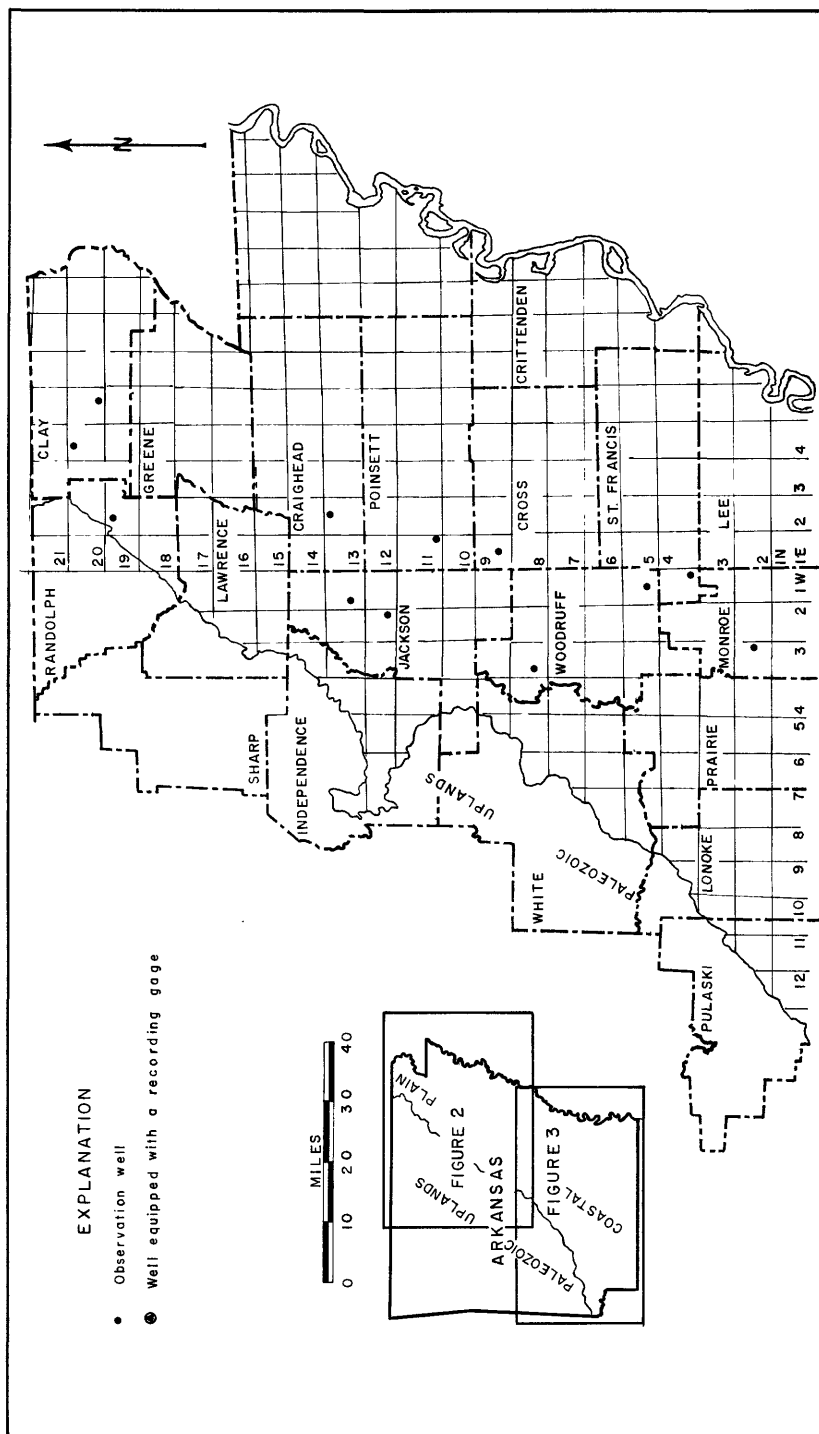
### Pumpage

Ground water was used in Arkansas in 1951 at an average rate of nearly 820 million gallons per day. About 680 million gallons per day were used for irrigation, the principal irrigated crop being rice. An average of about 100 million gallons per day of ground water was pumped for industrial use and for public water supplies.

### Interpretation of Water-Level Fluctuations

The fluctuations of water levels in wells are caused in part by differences in natural recharge and discharge from the water-bearing deposits. Several wells in the area north of the Grand Prairie region and in Ashley County appear to show fluctuations from natural recharge. (See fig. 4.) Some of the fluctuations of water levels in wells near the White River are caused by changes in stages of the river. Some fluctuations of water levels in wells in deposits of Quaternary age are a result of changes in atmospheric pressure; this may be as much as 0.8 foot in 1 day to 1 foot in a few days. Corrections for changes in atmospheric pressure are necessary before accurate comparisons of changes of water levels at different times can be made. Measurements in this report have not been corrected for atmospheric changes, thus for wells in deposits of Quaternary age, the small changes of water level may not be significant. Barometric readings from a barograph are available from the Department of Agricultural Engineering of the University of Arkansas at Fayetteville.

Changes in water levels in most of the wells are caused by pumping. Most of the irrigation wells tap deposits of Quaternary age and are less than 200 feet deep. A few irrigation wells in Prairie and Arkansas Counties tap deposits at depths ranging from 600 to about 1,000 feet. The water levels stand highest in the spring before irrigation pumping begins then decline during the summer as a result of pumping. The rate of decline is rapid at first then gradually decreases. After pumping stops in the fall, the water levels rise rapidly at first, then at a decreasing rate and, by spring, they tend to stand near the previous spring levels. The seasonal fluctuations of water level is shown by the record of well 3S5W-3bbb1 in Arkansas County. (See fig. 4.) The general trend of water level or artesian head in irrigated areas may be determined by annual measurements in the spring, as late as possible before pumping begins. In some years the measurements of water levels were made in the fall, but then the general trend of water levels may be masked by local irregularities caused by differences in pumping. Pumping in wells for



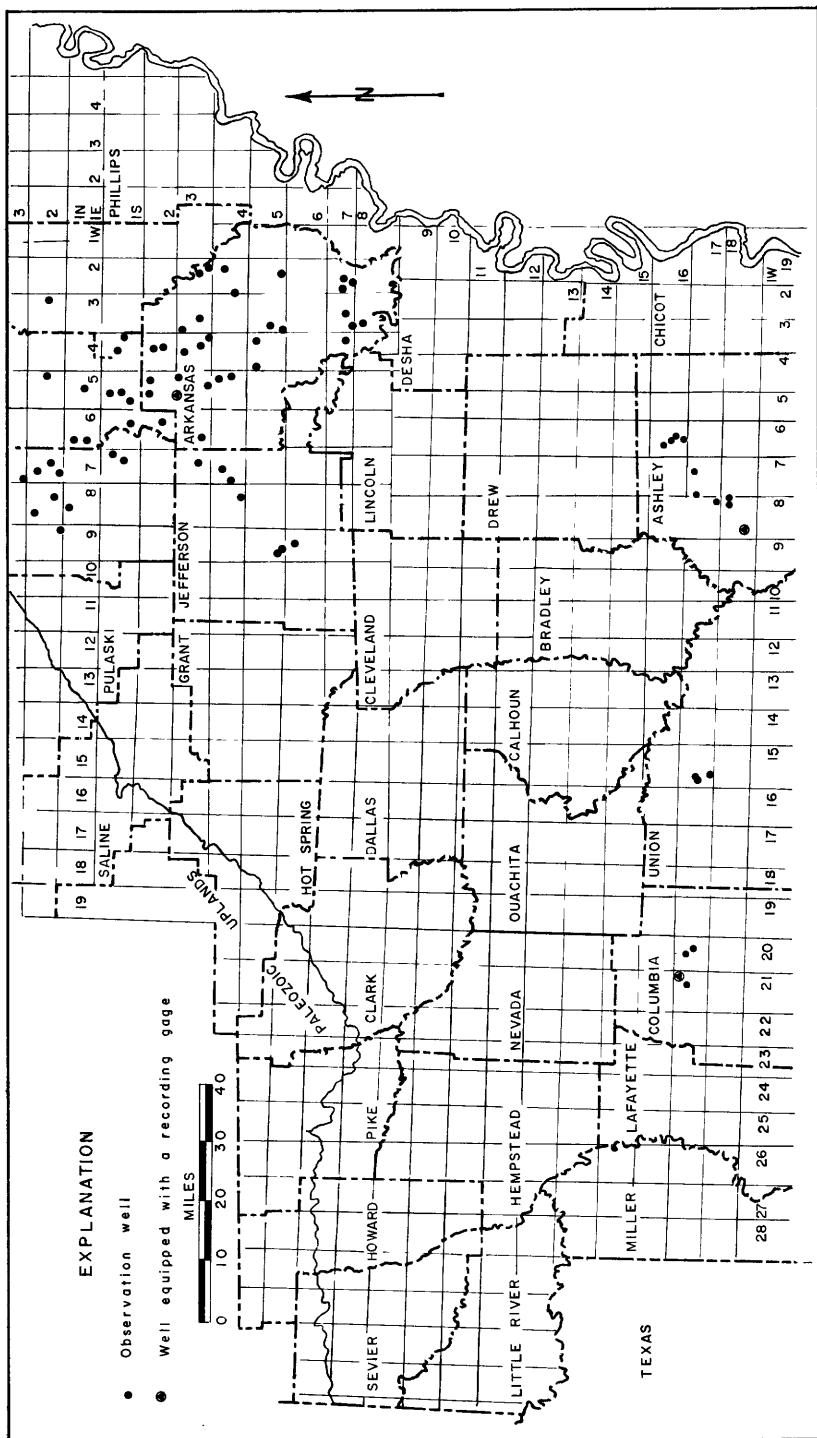


Figure 3. ---Location of observation wells in southern Arkansas, 1951.

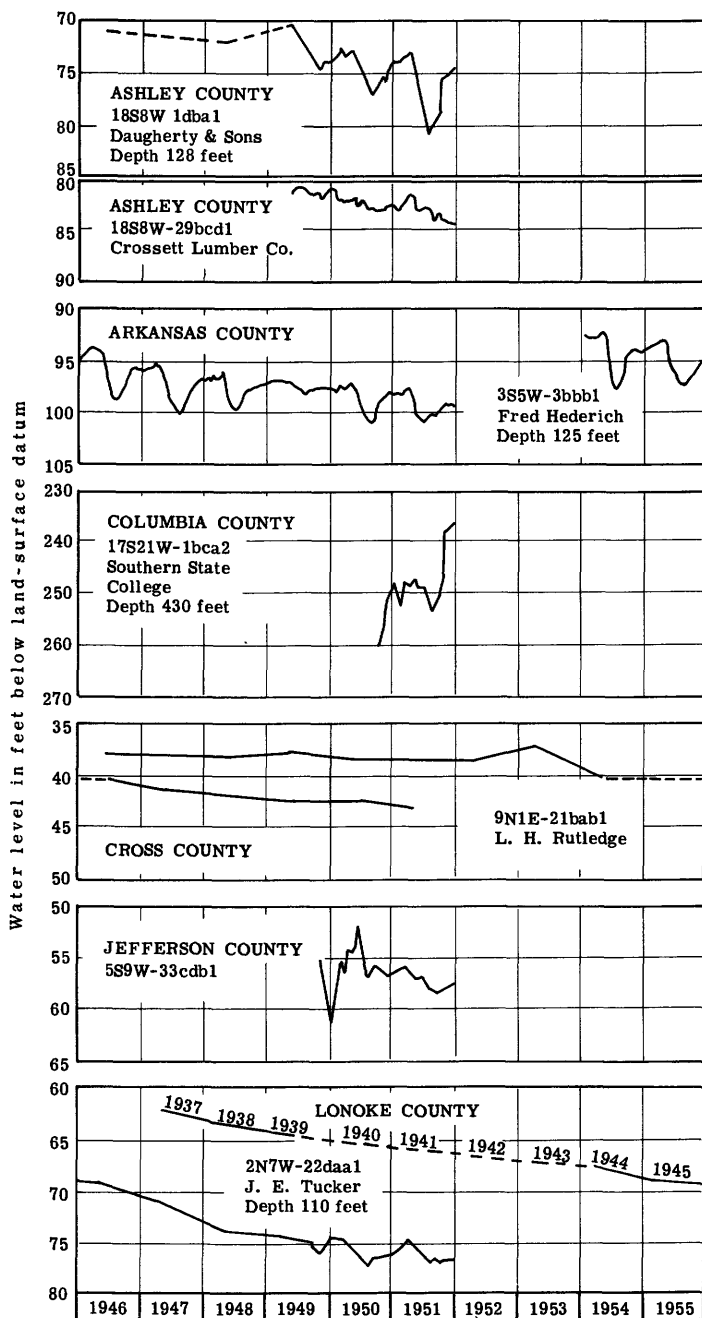


Figure 4. --Water levels in selected wells in Arkansas.



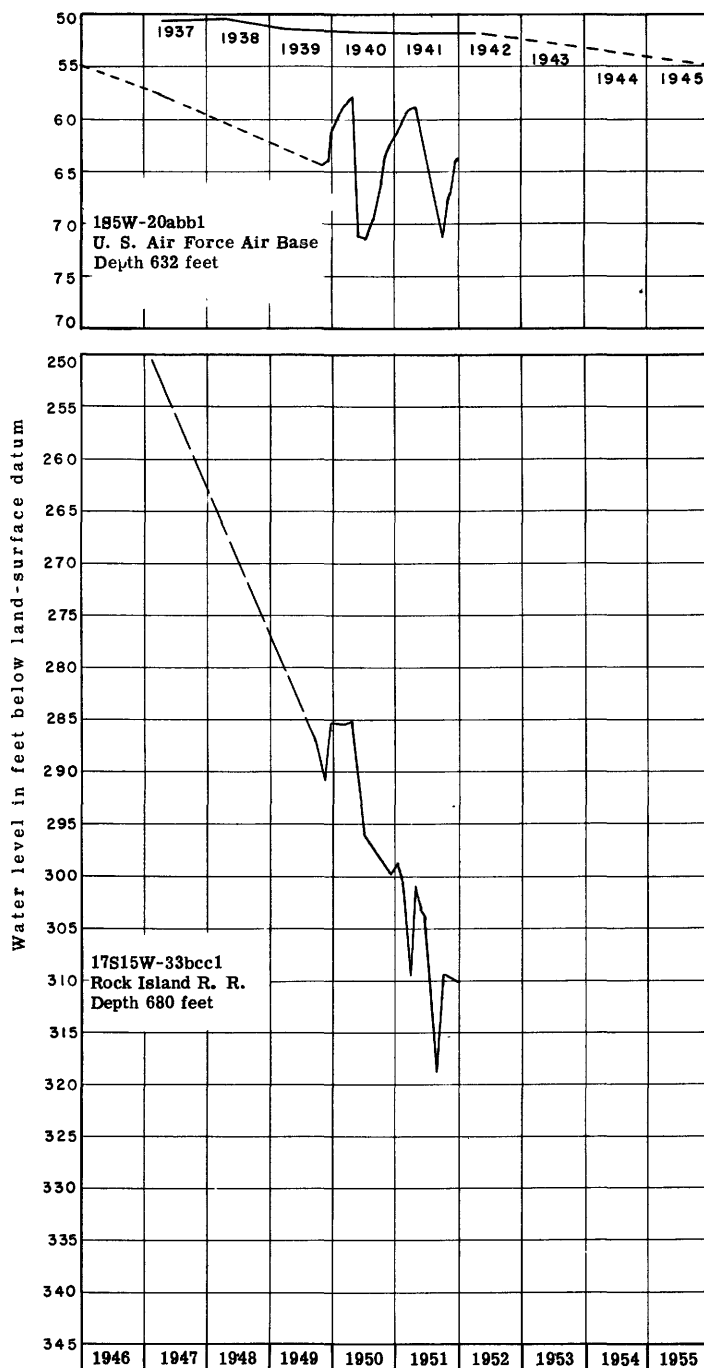


Figure 5.--Water levels in well 185W-20abb1, Prairie County and well 17S15W-33bcc1, Union County, Ark.

public supply and industrial use, such as at Altheimer and Pine Bluff in Jefferson County, Crossett in Arkansas County, El Dorado in Union County, and Magnolia in Columbia County, generally is continuous throughout the year and there may not be a marked seasonal trend of water level. The water levels in these wells may be affected at any time during the year by temporary or local irregularities in the distribution and rate of pumping. Single annual water-level measurements will not show the general trend of the water levels so well as measurements made at monthly intervals, or nearly so well as continuous records of water levels from recording gages. In the vicinity of El Dorado, the rate of pumping has increased from about 10.6 million gallons per day in 1947 to about 14 million gallons per day in 1951 and during this period the water level declined about 60 feet. Most of this decline was caused by pumping. Computations made in 1947 of drawdowns in a theoretical aquifer, similar in water-bearing properties to the Sparta sand at El Dorado for a theoretical increase of pumping from 10.6 million gallons per day in 1947 to 12.5 million gallons per day in 1952, gave a decline of 60 feet.

Hydrographs of selected wells in the Gulf Coastal Plain are shown in figures 4 and 5.

#### Acknowledgments

Professor Kyle Engler of the Agricultural Engineering Department, University of Arkansas, Fayetteville, assisted in making the annual water-level measurements in irrigation wells.

#### Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lower-case letters--a, b, c, and d--following the section number indicate the well location within the section; the first letter denotes the quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. The final number refers to the first or second well listed in that quarter-quarter-quarter section.

#### Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

##### Arkansas County

2S4W-10ddb1. Formerly B 91. Mr. Enders. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 207.5 feet above msl. Highest water level 79.00, May 24, 1935; lowest 87.54, Apr. 16, 1951. Records available: 1935-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 24, 1935	79.00	Apr. 22, 1940	82.27	Apr. 20, 1944	85.42	Apr. 17, 1948	87.35
Apr. 10, 1936	79.55	Apr. 14, 1941	81.90	Apr. 20, 1945	86.00	Apr. 19, 1949	87.23
Apr. 15, 1937	80.67	Apr. 20, 1942	83.86	Apr. 25, 1946	85.85	Apr. 24, 1950	86.85
Apr. 12, 1938	81.40	Apr. 23, 1943	84.04	Apr. 21, 1947	86.54	Apr. 16, 1951	87.54
Apr. 12, 1939	82.47						

2S4W-22bbb1. Formerly 245. J. W. Darrough. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 208 feet above msl. Highest water level 69.56, Apr. 18, 1929; lowest 86.59, Apr. 16, 1951. Records available: 1929-31, 1933-42, 1948-51. Measurement discontinued.

Apr. 18, 1929	69.56	Mar. 15, 1935	77.35	Apr. 25, 1939	80.12	Apr. 17, 1948	85.93
Apr. 15, 1930	70.94	Apr. 10, 1936	77.90	Apr. 22, 1940	80.68	Apr. 19, 1949	85.98
Apr. 13, 1931	72.09	Apr. 22, 1937	79.05	Apr. 22, 1941	81.48	Apr. 24, 1950	85.77
Mar. 3, 1933	76.23	Apr. 26, 1938	79.84	Apr. 23, 1942	81.95	Apr. 16, 1951	86.59
Mar. 15, 1934	76.15						

2S5W-1add1. Formerly 210. W. H. Kornbaum. Drilled irrigation artesian well in deposits of Quaternary age, diameter 16 to 10 inches, depth 132 feet. Land-surface datum is 215.22 feet above msl. Highest water level 79.11, May 10, 1929; lowest 99.06, Apr. 21, 1947. Records available: 1929-44, 1947-51. Measurement discontinued.

May 10, 1929	79.11	Mar. 6, 1935	87.47	Apr. 22, 1940	91.57	Apr. 21, 1947	99.06
Apr. 23, 1930	81.84	Apr. 17, 1936	88.40	Apr. 14, 1941	92.24	Apr. 22, 1948	96.09
Apr. 22, 1931	84.90	Apr. 15, 1937	89.82	Apr. 20, 1942	92.14	Apr. 22, 1949	97.00
Apr. 22, 1932	85.40	Apr. 14, 1938	91.34	Apr. 23, 1943	95.74	Apr. 27, 1950	97.39
Mar. 4, 1933	86.15	Apr. 12, 1939	91.98	Apr. 21, 1944	95.91	Apr. 19, 1951	97.84
Mar. 8, 1934	86.90						

2S5W-4bbb1. Formerly 205A. Mike Prislovsky. Formerly D. F. Fowler. Drilled irrigation artesian well in deposits of Quaternary age, diameter 24 inches. Land-surface datum is 220 feet above msl. Highest water level 93.77, Apr. 20, 1942; lowest 105.84, Sept. 28, 1951. Records available: 1942, 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 20, 1942	93.77	Dec. 30, 1949	103.12	Sept. 5, 1950	104.62	Mar. 29, 1951	101.82
Apr. 25, 1946	97.72	Feb. 1, 1950	102.17	Oct. 3	103.79	Apr. 30	103.34
May 6, 1947	98.90	28	101.87	30	104.04	Sept. 28	105.84
Apr. 21, 1948	101.05	Mar. 30	102.47	Nov. 29	103.16	Oct. 29	104.76
Apr. 19, 1949	101.57	Apr. 24	101.23	Jan. 8, 1951	103.04	Nov. 30	104.57
Oct. 27	103.42	26	101.57	30	103.06	Dec. 27	104.89
Nov. 28	102.56	July 31	104.42	Feb. 26	102.19		

3S2W-22bdb1. Formerly 362. H. Bothe Estate. Drilled irrigation artesian well in deposits of Quaternary age, depth 135 feet. Land-surface datum is 199.03 feet above msl. Highest water level 37.58, Apr. 6, 1950; lowest 57.98, Apr. 12, 1944. Records available: 1929-44, 1950-51. Measurement discontinued.

Apr. 17, 1929	50.54	Mar. 14, 1934	55.60	Apr. 22, 1939	54.20	Apr. 11, 1943	55.92
Apr. 16, 1930	51.45	Mar. 1, 1935	56.35	Apr. 26, 1940	56.48	Apr. 12, 1944	57.98
Apr. 15, 1931	54.50	Mar. 18, 1936	55.55	Apr. 26, 1941	52.26	Apr. 6, 1950	37.58
Apr. 20, 1932	53.86	Apr. 19, 1937	54.95	Apr. 22, 1942	54.70	Apr. 5, 1951	51.35
Mar. 2, 1933	55.87	Apr. 23, 1938	53.88				

3S2W-35add1. Formerly 364. J. T. McWilliams. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 198.5 feet above msl. Highest water level 50.32, May 26, 1929; lowest 57.81, Apr. 26, 1941. Records available: 1929-42, 1947-51.

May 26, 1929	50.32	Mar. 14, 1934	54.77	Apr. 22, 1939	55.63	Apr. 14, 1948	56.40
Apr. 16, 1930	51.62	Mar. 1, 1935	55.82	Apr. 26, 1940	57.69	Apr. 7, 1949	55.06
Apr. 15, 1931	54.30	Mar. 18, 1936	55.18	Apr. 26, 1941	57.81	Apr. 6, 1950	54.19
Apr. 20, 1932	53.54	Apr. 19, 1937	54.35	Apr. 22, 1942	56.26	Apr. 5, 1951	53.48
Mar. 2, 1933	54.63	Apr. 23, 1938	54.76	Apr. 19, 1947	55.28		

3S3W-6daa1. Formerly 353. R. L. Mitchell. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 205.92 feet above msl. Highest water level 68.38, Apr. 17, 1928; lowest 82.60, Apr. 7, 1948. Records available: 1928-35, 1937-39, 1941-42, 1947-51. Measurement discontinued.

Apr. 17, 1928	68.38	Mar. 3, 1933	73.05	Apr. 25, 1939	76.17	Apr. 7, 1948	82.60
Apr. 22, 1929	69.30	Mar. 14, 1934	73.83	Apr. 28, 1941	77.49	Apr. 5, 1949	81.77
Apr. 16, 1930	70.52	Mar. 14, 1935	73.96	Apr. 23, 1942	77.88	Apr. 4, 1950	82.29
Apr. 15, 1931	71.29	Apr. 22, 1937	74.83	Apr. 8, 1947	80.96	Apr. 3, 1951	82.22
Apr. 19, 1932	71.65	Apr. 26, 1938	76.03				

3S3W-21add1. Formerly 355. W. A. Fehrenbaker. Drilled irrigation artesian well in deposits of Quaternary age, depth 145 feet. Land-surface datum is 203.8 feet above msl. Highest water level 66.14, July 30, 1928; lowest 78.34, Apr. 4, 1950. Records available: 1928-31, 1933-35, 1937, 1939-42, 1945-51. Measurement discontinued.

July 30, 1928	66.14	Mar. 14, 1934	70.25	Apr. 28, 1941	74.04	Apr. 7, 1948	77.09
Apr. 16, 1929	66.28	Mar. 1, 1935	70.65	Apr. 23, 1942	74.47	Apr. 5, 1949	77.42
Apr. 16, 1930	66.92	Apr. 22, 1937	71.93	Apr. 17, 1945	76.46	Apr. 4, 1950	78.34
Apr. 15, 1931	68.20	Apr. 27, 1939	72.97	Apr. 23, 1946	76.14	Apr. 3, 1951	77.81
Mar. 2, 1933	69.65	Apr. 27, 1940	73.58	Apr. 11, 1947	76.59		

3S4W-3ddd1. Formerly 318. University of Arkansas, Rice Branch Experiment Station. Drilled irrigation artesian well in deposits of Quaternary age, diameter 30 to 18 inches, depth 127 feet. Land-surface datum is 202.29 feet above msl. Highest water level 74.05, Apr. 17, 1928; lowest 90.03, Apr. 3, 1951. Records available: 1928-32, 1934-51.

Apr. 17, 1928	74.05	Mar. 7, 1935	82.20	Apr. 14, 1941	86.75	Apr. 7, 1947	89.10
Apr. 22, 1929	74.36	Apr. 22, 1936	83.06	Apr. 11, 1942	86.86	Apr. 7, 1948	89.67
Apr. 18, 1930	77.02	Apr. 14, 1937	83.76	Apr. 11, 1943	86.00	Apr. 5, 1949	89.63
Apr. 17, 1931	78.86	Apr. 13, 1938	84.91	Apr. 7, 1944	88.00	Apr. 4, 1950	89.80
Apr. 20, 1932	79.07	Apr. 11, 1939	85.13	Apr. 17, 1945	88.81	Apr. 3, 1951	90.03
Mar. 2, 1934	80.62	Apr. 12, 1940	86.14	Apr. 29, 1946	88.47		

3S4W-26bbb1. Formerly 344. F. T. Hill. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 207.34 feet above msl. Highest water level 81.92, Apr. 12, 1929; lowest 98.25, Apr. 3, 1951. Records available: 1929-32, 1934-51.

Apr. 12, 1929	81.92	Mar. 3, 1936	89.22	Apr. 11, 1942	92.63	Apr. 8, 1947	96.12
Apr. 18, 1930	84.55	Apr. 15, 1937	90.31	Apr. 7, 1943	92.01	Apr. 7, 1948	96.62
Apr. 17, 1931	86.20	Apr. 13, 1938	91.22	Apr. 8, 1944	93.99	Apr. 5, 1949	97.06
Apr. 20, 1932	86.18	Apr. 11, 1939	91.64	Apr. 17, 1945	95.06	Apr. 4, 1950	97.90
Mar. 2, 1934	87.58	Apr. 24, 1940	91.81	Apr. 23, 1946	95.12	Apr. 3, 1951	98.25
Mar. 1, 1935	88.90	Apr. 2, 1941	92.04				

3S4W-36ccb1. Formerly 392A. Fred E. Hillman. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 197 feet above msl. Highest water level 79.22, Apr. 25, 1938; lowest 91.89, Apr. 17, 1945. Records available: 1938-45, 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 25, 1938	79.22	Apr. 22, 1942	81.65	Apr. 17, 1945	91.89	Apr. 5, 1949	85.74
Apr. 25, 1939	80.61	Apr. 7, 1943	87.88	Apr. 8, 1947	84.89	Apr. 4, 1950	86.33
Apr. 25, 1940	81.38	Apr. 8, 1944	91.41	Apr. 7, 1948	85.38	Apr. 3, 1951	86.76
Apr. 26, 1941	81.76						

3S5W-2aab1. Clarence Weaver. Drilled irrigation artesian well in sand of Claiborne group, depth 801 feet. Highest water level 59.22, Mar. 29, 1951; lowest 74.05, Sept. 28, 1951. Records available: 1951. Feb. 26, 60.06; Mar. 29, 59.22; Apr. 30, 62.93; Sept. 28, 74.05; Oct. 29, 68.60; Nov. 30, 65.40; Dec. 27, 63.80.

3S5W-3bbb1. Formerly 280. Fred Hederich. Drilled unused irrigation water-table well in deposits of Quaternary age, diameter 24 inches, depth 125 feet. Highest water level 79.05, May 20, 1928; lowest 101.3, Sept. 2, 1951. Records available: 1928-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	97.9	....	97.8	97.5	97.6	100.2	100.7	100.2	101.1	99.4	....	98.85
2	97.7	....	97.7	97.8	97.7	100.3	100.8	100.1	101.3	99.2	....	98.70
3	97.7	....	97.9	97.8	97.6	100.2	99.8	100.0	....	99.0	....	98.50
4	98.0	....	98.0	97.7	97.4	....	99.7	100.0	....	99.3	....	98.55
5	98.0	....	98.1	97.7	97.5	100.0	99.5	99.9	....	99.4	....	98.40
6	98.1	....	98.0	97.4	97.8	99.7	99.4	99.8	....	....	....	98.30
7	98.2	....	98.0	97.3	97.9	99.3	99.3	99.6	....	....	....	98.85
8	98.2	....	98.2	97.4	97.8	99.1	....	99.5	....	....	....	98.90
9	98.1	....	98.3	97.5	97.7	99.1	....	99.6	100.0	....	....	99.25
10	98.0	....	98.2	97.5	97.5	99.0	98.9	99.7	100.4	....	....	99.25
11	98.1	98.0	....	97.5	97.6	98.9	99.5	99.8	100.0	....	....	98.95
12	97.9	97.8	....	97.6	98.2	....	100.0	99.9	99.6	....	....	98.70
13	97.8	98.1	98.0	97.6	98.6	98.9	100.3	99.8	99.4	....	....	98.80
14	97.7	98.3	97.9	97.6	99.0	98.9	100.4	....	99.5	....	....	98.90
15	97.8	98.2	98.0	97.8	99.4	98.8	100.5	....	99.4	....	....	99.35
16	98.1	98.1	97.9	97.9	99.5	98.6	....	....	99.3	....	....	99.35
17	97.8	98.0	97.6	97.9	99.0	98.7	100.6	....	....	....	....	99.10
18	97.7	97.9	98.0	97.7	98.6	98.7	100.7	....	....	....	....	98.80
19	97.7	97.8	98.2	97.7	98.4	98.7	100.7	....	....	....	....	98.80
20	98.3	97.7	98.2	97.8	98.3	98.7	100.8	....	....	....	....	98.20
21	98.4	98.0	98.2	....	98.7	....	100.9	....	....	....	....	98.85
22	98.3	98.1	98.1	....	99.1	99.1	101.1	....	....	....	....	98.85
23	98.0	98.2	97.8	....	99.5	99.8	101.2	....	....	....	....	98.85
24	98.1	98.1	98.2	....	99.6	100.2	101.2	....	....	99.3	....	98.90
25	98.2	97.9	98.2	....	99.7	100.4	....	....	....	99.3	....	98.75
26	98.1	97.6	98.1	....	....	100.4	....	....	....	99.3	....	....
27	97.8	97.7	....	....	....	....	....	....	....	99.1	....	99.35
28	98.2	97.5	97.3	....	....	....	....	....	....	....	....	99.05
29	98.4	....	97.5	97.5	99.9	....	100.7	....	99.7	....	....	98.45
30	98.4	....	97.7	97.5	100.1	....	100.5	101.0	99.6	....	....	98.30
31	98.1	....	97.7	....	100.1	....	100.3	101.0	....	....	....	98.45

3S5W-32bbb1. Formerly 305. Pearl Clow. Drilled irrigation artesian well in deposits of Quaternary age, depth 95 feet. Land-surface datum is 191 feet above msl. Highest water level 43.88, May 2, 1929; lowest 54.59, Apr. 2, 1951. Records available: 1928-42, 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 7, 1928	48.01	Mar. 4, 1933	46.32	Apr. 2, 1938	49.59	Apr. 7, 1947	53.36
May 2, 1929	43.88	Mar. 8, 1934	47.97	Apr. 3, 1939	49.99	Apr. 6, 1948	53.71
May 1, 1930	44.80	Mar. 7, 1935	48.02	Apr. 2, 1940	49.97	Apr. 4, 1949	54.20
May 2, 1931	45.79	Mar. 6, 1936	48.29	Apr. 3, 1941	49.81	Apr. 3, 1950	54.06
Apr. 30, 1932	46.16	Apr. 5, 1937	48.61	Apr. 6, 1942	50.42	Apr. 2, 1951	54.59

3S6W-29bbb1. Formerly 274. W. W. Crum. Drilled irrigation artesian well in deposits of Quaternary age, depth 97 feet. Land-surface datum is 194.48 feet above msl. Highest water level 17.62, May 2, 1929; lowest 32.38, Apr. 4, 1949. Records available: 1928-35, 1937-44, 1947-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1928	17.65	Apr. 30, 1932	18.68	Apr. 5, 1937	20.75	Apr. 3, 1941	21.63
May 2, 1929	17.62	Mar. 4, 1933	19.72	Apr. 2, 1938	20.77	Apr. 6, 1942	22.25
May 1, 1930	18.71	Mar. 15, 1934	19.33	Apr. 3, 1939	21.27	Apr. 5, 1943	21.45
May 5, 1931	19.63	Mar. 15, 1935	19.74	Apr. 2, 1940	21.90	Apr. 5, 1944	23.28

## 3S6W-29bbb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1947	30.35	Apr. 4, 1949	32.38	Apr. 3, 1950	25.58	Apr. 2, 1951	25.53
Apr. 6, 1948	30.05						

4S2W-11aaa1. Formerly 414. J. T. McWilliams. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 195.08 feet above msl. Highest water level 55.25, May 26, 1929; lowest 61.88, Apr. 17, 1945. Records available: 1929-51.

May 26, 1929	55.25	Mar. 1, 1935	58.62	Apr. 26, 1941	60.57	Apr. 19, 1947	60.44
Apr. 16, 1930	55.45	Mar. 18, 1936	58.17	Apr. 22, 1942	60.82	Apr. 14, 1948	61.56
Apr. 15, 1931	56.90	Apr. 19, 1937	59.50	Apr. 11, 1943	57.61	Apr. 7, 1949	61.07
Apr. 20, 1932	57.52	Apr. 23, 1938	59.24	Apr. 12, 1944	61.38	Apr. 6, 1950	60.43
Mar. 2, 1933	58.23	Apr. 22, 1939	59.79	Apr. 17, 1945	61.88	Apr. 5, 1951	59.17
Mar. 14, 1934	57.35	Apr. 26, 1940	59.74	Apr. 23, 1946	60.47		

4S2W-19dcb1. Formerly 415. J. W. Watkins. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 194.7 feet above msl. Highest water level 61.10, Mar. 18, 1936; lowest 70.79, Apr. 6, 1950. Records available: 1933-51.

Mar. 2, 1933	64.38	Apr. 20, 1938	65.98	Apr. 11, 1943	67.89	Apr. 14, 1948	70.52
Mar. 14, 1934	63.51	Apr. 22, 1939	67.16	Apr. 12, 1944	69.33	Apr. 7, 1949	69.85
Mar. 1, 1935	64.95	Apr. 26, 1940	66.12	Apr. 17, 1945	69.70	Apr. 6, 1950	70.79
Mar. 18, 1936	61.10	Apr. 26, 1941	67.12	Apr. 23, 1946	68.91	Apr. 5, 1951	70.54
Apr. 19, 1937	66.28	Apr. 22, 1942	67.49	Apr. 19, 1947	69.45		

4S5W-1abc1. Formerly 374A. Charles W. McDougall. Drilled irrigation artesian well in deposits of Claiborne group, diameter 6 inches, depth 929 feet. Land-surface datum is 199.6 feet above msl. Highest water level 37.45, Apr. 11, 1938; lowest 45.82, Apr. 2, 1951. Records available: 1938-51.

Apr. 11, 1938	37.45	Apr. 10, 1942	38.98	Apr. 22, 1946	42.20	Apr. 4, 1949	44.88
Apr. 10, 1939	38.30	Apr. 10, 1943	39.36	Apr. 9, 1947	43.60	Apr. 3, 1950	45.11
Apr. 12, 1940	39.03	Apr. 13, 1944	41.23	Apr. 6, 1948	44.09	Apr. 2, 1951	45.82
Apr. 7, 1941	39.01	Apr. 18, 1945	41.97				

4S5W-13ddd1. Formerly 378. Mr. Yeske. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 198.56 feet above msl. Highest water level 72.39, May 4, 1929; lowest 93.10, Apr. 5, 1951. Records available: 1929-30, 1936-42, 1945-51.

May 4, 1929	72.39	Apr. 25, 1938	83.23	Apr. 22, 1942	85.73	Apr. 16, 1948	91.35
May 2, 1930	74.37	Apr. 24, 1939	83.89	Apr. 18, 1945	88.71	Apr. 7, 1949	91.15
Mar. 21, 1936	76.10	Apr. 25, 1940	84.71	Apr. 22, 1946	89.30	Apr. 6, 1950	92.19
Apr. 23, 1937	82.39	Apr. 26, 1941	85.29	Apr. 9, 1947	90.57	Apr. 5, 1951	93.10

5S2W-34cbb1. Formerly 461. The Dewitt Bank. Drilled irrigation artesian well in deposits of Quaternary age, depth 170 feet. Land-surface datum is 197.04 feet above msl. Highest water level 41.73, May 29, 1929; lowest 61.18, Apr. 9, 1943. Records available: 1929-33, 1935-44, 1947-51. Measurement discontinued.

May 29, 1929	41.73	Feb. 3, 1935	56.90	Apr. 24, 1940	58.74	Apr. 10, 1947	58.21
Mar. 20, 1930	49.48	Mar. 14, 1936	55.52	Apr. 21, 1941	59.43	Apr. 15, 1948	58.12
Apr. 29, 1931	55.60	Apr. 19, 1937	53.69	Apr. 21, 1942	56.50	Apr. 7, 1949	56.83
Apr. 20, 1932	51.50	Apr. 19, 1938	53.70	Apr. 9, 1943	61.18	Apr. 6, 1950	55.87
Mar. 1, 1933	49.75	Apr. 20, 1939	55.35	Apr. 11, 1944	60.97	Apr. 5, 1951	56.37

5S3W-31ddd1. Formerly 457A. Missouri State Insurance Co. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 188.63 feet above msl. Highest water level 63.10, May 15, 1929; lowest 76.05, Apr. 4, 1951. Records available: 1929, 1931-51.

May 15, 1929	63.10	Mar. 13, 1936	69.01	Apr. 11, 1942	71.19	Apr. 10, 1947	73.42
Apr. 29, 1931	65.67	Apr. 7, 1937	70.05	Apr. 7, 1943	71.24	Apr. 15, 1948	74.88
Apr. 20, 1932	66.35	Apr. 8, 1938	69.36	Apr. 12, 1944	72.19	Apr. 6, 1949	74.63
Feb. 24, 1933	66.78	Apr. 4, 1939	70.70	Apr. 17, 1945	72.34	Apr. 5, 1950	75.70
Mar. 1, 1934	67.46	Apr. 3, 1940	70.40	Apr. 23, 1946	73.06	Apr. 4, 1951	76.05
Feb. 23, 1935	68.36	Apr. 4, 1941	70.50				

5S4W-7ccc1. Formerly 437. Herman Stutzenbaker. Formerly B. L. Williams. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 193.89 feet above msl. Highest water level 64.00, May 4, 1929; lowest 78.47, Apr. 7, 1950. Records available: 1929-43, 1947-51. Measurement discontinued.

May 4, 1929	64.00	Mar. 1, 1934	71.33	Apr. 24, 1939	73.82	Apr. 20, 1947	76.67
May 2, 1930	66.40	Feb. 22, 1935	72.55	Apr. 25, 1940	73.77	Apr. 16, 1948	78.05
May 4, 1931	68.47	Mar. 23, 1936	72.80	Apr. 26, 1941	73.92	Apr. 8, 1949	78.28
Apr. 23, 1932	68.83	Apr. 23, 1937	73.54	Apr. 22, 1942	74.04	Apr. 7, 1950	78.47
Feb. 24, 1933	70.56	Apr. 25, 1938	73.99	Apr. 9, 1943	74.40	Apr. 6, 1951	78.19

5S4W-12add1. Formerly 440. American Southern Trust Co. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 196.3 feet above msl. Highest water level 77.65, May 15, 1929; lowest 91.18, Apr. 4, 1951. Records available: 1929-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 15, 1929	77.65	Feb. 23, 1935	83.55	Apr. 21, 1941	87.11	Apr. 10, 1947	89.31
Apr. 24, 1930	78.66	Mar. 14, 1936	83.99	Apr. 21, 1942	87.40	Apr. 15, 1948	90.70
May 15, 1931	80.50	Apr. 19, 1937	85.08	Apr. 10, 1943	87.48	Apr. 6, 1949	90.77
Feb. 23, 1932	81.56	Apr. 19, 1938	85.29	Apr. 11, 1944	88.17	Apr. 5, 1950	89.54
Feb. 24, 1933	82.09	Apr. 20, 1939	85.86	Apr. 18, 1945	89.08	Apr. 4, 1951	91.18
Mar. 1, 1934	82.52	Apr. 24, 1940	87.24	Apr. 23, 1946	88.38		

5S3W-16abb1. Formerly 456. E. W. McCuskey. Drilled irrigation artesian well in deposits of Quaternary age, depth 201 feet. Land-surface datum is 197.54 feet above msl. Highest water level 75.58, May 4, 1929; lowest 88.42, Apr. 5, 1951. Records available: 1928-33, 1935-51. Measurement discontinued.

Apr. 19, 1928	75.78	Feb. 23, 1935	80.94	Apr. 21, 1941	82.78	Apr. 10, 1947	87.00
May 4, 1929	75.58	Mar. 14, 1936	80.89	Apr. 21, 1942	83.16	Apr. 15, 1948	87.51
Apr. 17, 1930	76.32	Apr. 19, 1937	83.30	Apr. 9, 1943	83.72	Apr. 7, 1949	87.57
Apr. 16, 1931	78.25	Apr. 19, 1938	81.77	Apr. 11, 1944	85.24	Apr. 6, 1950	88.12
Apr. 21, 1932	79.03	Apr. 20, 1939	82.16	Apr. 17, 1945	86.09	Apr. 5, 1951	88.42
Feb. 24, 1933	80.02	Apr. 24, 1940	82.89	Apr. 23, 1946	86.01		

7S2W-16ccc1. Formerly 507. J. M. Satchfield. Drilled irrigation artesian well in deposits of Quaternary age, depth 147 feet. Land-surface datum is 179.9 feet above msl. Highest water level 20.18, Apr. 16, 1929; lowest 42.83, Apr. 26, 1940. Records available: 1929-31, 1933-44, 1947-51. Measurement discontinued.

Apr. 16, 1929	20.18	Feb. 28, 1935	41.95	Apr. 26, 1940	42.83	Apr. 8, 1947	39.53
Mar. 20, 1930	30.52	Mar. 13, 1936	37.81	Apr. 17, 1941	42.57	Apr. 8, 1948	40.34
May 16, 1931	41.30	Apr. 16, 1937	33.07	Apr. 11, 1942	39.51	Apr. 6, 1949	35.24
Apr. 21, 1933	37.37	Apr. 16, 1938	25.95	Apr. 8, 1943	40.00	Apr. 5, 1950	32.08
Mar. 7, 1934	38.80	Apr. 4, 1939	37.24	Apr. 10, 1944	39.06	Apr. 4, 1951	38.62

7S2W-17cdd1. Formerly 506. J. M. Satchfield. Drilled irrigation artesian well in deposits of Quaternary age, depth 170 feet. Land-surface datum is 183.92 feet above msl. Highest water level 25.74, Apr. 16, 1929; lowest 49.01, Apr. 17, 1941. Records available: 1929-44, 1947-50. Measurement discontinued.

Apr. 16, 1929	25.74	Mar. 7, 1934	44.61	Apr. 14, 1939	42.00	Apr. 10, 1944	45.19
Mar. 20, 1930	35.65	Feb. 28, 1935	46.75	Apr. 26, 1940	48.95	Apr. 8, 1947	41.32
Apr. 28, 1931	45.98	Mar. 13, 1936	45.14	Apr. 17, 1941	49.01	Apr. 8, 1948	39.31
Apr. 21, 1932	32.79	Apr. 16, 1937	39.77	Apr. 11, 1942	45.78	Apr. 6, 1949	45.00
Feb. 24, 1933	42.96	Apr. 16, 1938	37.01	Apr. 8, 1943	46.00	Apr. 5, 1950	42.21

7S2W-33bbb1. Formerly 514. J. M. Satchfield. Drilled irrigation artesian well in deposits of Quaternary age, depth 179 feet. Land-surface datum is 181.8 feet above msl. Highest water level 19.54, Apr. 16, 1929; lowest 44.10, Apr. 17, 1941. Records available: 1929-31, 1933-39, 1941-44, 1947-51. Measurement discontinued.

Apr. 16, 1929	19.54	Feb. 28, 1935	43.92	Apr. 17, 1941	44.10	Apr. 8, 1948	38.01
Apr. 17, 1930	35.50	Mar. 13, 1936	42.29	Apr. 11, 1942	38.26	Apr. 6, 1949	35.71
Apr. 16, 1931	44.25	Apr. 16, 1937	36.76	Apr. 8, 1943	39.30	Apr. 5, 1950	33.33
Feb. 24, 1933	38.59	Apr. 16, 1938	30.98	Apr. 10, 1944	25.63	Apr. 4, 1951	37.78
July 4, 1934	41.89	Apr. 14, 1939	34.92	Apr. 8, 1947	36.76		

7S3W-27bdc1. Formerly 499. Quandt & Lowe. Drilled irrigation artesian well in deposits of Quaternary age, depth 152 feet. Land-surface datum is 179.3 feet above msl. Highest water level 29.39, Apr. 16, 1929; lowest 41.74, Apr. 4, 1940. Records available: 1928-44, 1947-51.

Apr. 18, 1928	33.67	Mar. 7, 1934	37.36	Apr. 4, 1940	41.74	Apr. 10, 1947	38.21
Apr. 16, 1929	29.39	Feb. 28, 1935	39.05	Apr. 5, 1941	40.07	Apr. 8, 1948	40.32
Apr. 17, 1930	33.68	Mar. 13, 1936	37.54	Apr. 11, 1942	39.04	Apr. 6, 1949	38.17
Apr. 28, 1931	38.15	Apr. 7, 1937	35.30	Apr. 8, 1943	39.37	Apr. 5, 1950	37.50
Feb. 24, 1932	35.28	Apr. 8, 1938	30.19	Apr. 12, 1944	39.45	Apr. 4, 1951	37.61
Mar. 1, 1933	38.49	Apr. 4, 1939	38.07				

7S3W-32bcb1. Formerly B 189. W. J. Bohnert. Drilled irrigation artesian well in deposits of Quaternary age, depth 182 feet. Land-surface datum is 176.5 feet above msl. Highest water level 26.84, Apr. 23, 1946; lowest 31.00, Apr. 5, 1950. Records available: 1937-38, 1940-44, 1946-48, 1950-51. Measurement discontinued.

Apr. 7, 1937	27.47	Apr. 5, 1941	29.59	Apr. 10, 1944	27.97	Apr. 8, 1948	30.44
Apr. 8, 1938	26.95	Apr. 11, 1942	27.51	Apr. 23, 1946	26.84	Apr. 5, 1950	31.00
Apr. 4, 1940	28.75	Apr. 8, 1943	27.72	Apr. 10, 1947	28.50	Apr. 4, 1951	29.66

7S4W-24bbb1. Formerly 491. Cunningham & Felt. Drilled irrigation artesian well in deposits of Quaternary age, diameter 28 to 19 inches, depth 160 feet. Land-surface datum is 180 feet above msl. Highest water level 31.88, Apr. 6, 1937; lowest 36.30, Apr. 5, 1950. Records available: 1936-44, 1948-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1936	33.92	Apr. 4, 1940	35.71	Apr. 8, 1943	34.80	Apr. 6, 1949	36.28
Apr. 6, 1937	31.88	Apr. 5, 1941	36.15	Apr. 10, 1944	35.90	Apr. 5, 1950	36.30
Apr. 8, 1938	31.98	Apr. 11, 1942	35.40	Apr. 8, 1948	35.75	Apr. 4, 1951	36.06
Apr. 4, 1939	34.42						

8S3W-5abb1. Formerly B 192. W. J. Bohnert. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 178.5 feet above msl. Highest water level 25.55, Apr. 8, 1938; lowest 31.88, Apr. 4, 1940. Records available: 1937-44, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 17, 1937	26.04	Apr. 4, 1940	31.88	Apr. 8, 1943	29.03	Apr. 6, 1949	28.72
Apr. 8, 1938	25.55	Apr. 5, 1941	31.42	Apr. 10, 1944	28.68	Apr. 5, 1950	27.91
Apr. 4, 1939	28.39	Apr. 11, 1942	27.60	Apr. 8, 1948	29.82	Apr. 4, 1951	28.34

### Ashley County

16S6W-15ccc1. Formerly 4. F. Harbinson. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 138 feet. Highest water level 69.02, Apr. 16, 1947; lowest 71.97, May 2, 1951. Records available: 1947-51. Apr. 16, 1947, 69.02; Apr. 2, 1948, 70.23; Apr. 26, 1949, 70.97; May 8, 1950, 71.49; May 2, 1951, 71.97.

16S6W-16dad1. Formerly 3. F. Harbinson. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 137 feet. Highest water level 70.42, Apr. 26, 1946; lowest 72.75, May 8, 1950. Records available: 1946-51. Apr. 26, 1946, 70.42; Apr. 16, 1947, 70.57; Apr. 2, 1948, 71.56; Apr. 26, 1949, 72.57; May 8, 1950, 72.75; May 2, 1951, 72.66. Measurement discontinued.

16S6W-22aac1. Formerly 5. F. Harbinson. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 141 feet. Highest water level 68.91, Apr. 23, 1946; lowest 72.09, May 8, 1950. Records available: 1946-50. Apr. 23, 1946, 68.91; Apr. 16, 1947, 68.92; Apr. 2, 1948, 70.54; Apr. 26, 1949, 71.53; May 8, 1950, 72.09. Measurement discontinued.

16S6W-33acb1. Formerly 11. Herbert Davis. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 136 feet. Land-surface datum is 163 feet above msl. Highest water level 54.78, Apr. 26, 1946; lowest 64.01, Apr. 2, 1948. Records available: 1946-51. Apr. 26, 1946, 54.78; Apr. 16, 1947, 59.64; Apr. 2, 1948, 64.01; Apr. 26, 1949, 62.61; May 9, 1950, 63.06; May 2, 1951, 63.11. Measurement discontinued.

17S7W-7caa1. Formerly 16. Fred Blank. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 132 feet. Land-surface datum is 162 feet above msl. Highest water level 68.23, Apr. 23, 1946; lowest 70.81, May 1, 1951. Records available: 1946-48, 1951. Apr. 23, 1946, 68.23; Apr. 16, 1947, 69.02; Apr. 2, 1948, 68.67; May 1, 1951, 70.81. Measurement discontinued.

17S7W-10cba1. Formerly 17. Fred Blank. Drilled irrigation artesian well in deposits of Quaternary age, diameter 12 inches, depth 128 feet. Land-surface datum is 171 feet above msl. Highest water level 66.03, Apr. 2, 1948; lowest 70.17, May 1, 1951. Records available: 1946-48, 1951. Apr. 23, 1946, 67.06; Apr. 16, 1947, 68.51; Apr. 2, 1948, 66.03; May 1, 1951, 70.17. Measurement discontinued.

17S8W-36ddc1. Formerly 24. Daugherty & Sons. Formerly Miller & Harris. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 128 feet. Land-surface datum is 170 feet above msl. Highest water level 70.52, Apr. 23, 1946; lowest 73.83, May 2, 1951. Records available: 1946-51. Apr. 23, 1946, 70.52; Apr. 16, 1947, 70.54; Apr. 2, 1948, 71.29; Apr. 27, 1949, 71.95; May 9, 1950, 72.39; May 2, 1951, 73.83.

18S8W-1dab1. Daugherty & Sons. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches. Highest water level 71.21, Apr. 26, 1950; lowest 75.43, Sept. 27, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 27, 1949	73.17	Mar. 29, 1950	71.75	Dec. 28, 1950	72.98	Apr. 30, 1951	71.54
Nov. 29	72.17	Apr. 26	71.21	Jan. 9, 1951	72.65	Sept. 27	75.43
Dec. 29	72.32	May 31	75.25	Feb. 8	72.50	Oct. 29	73.98
Jan. 31, 1950	71.77	Oct. 4	74.44	26	71.89	Nov. 29	73.80
Feb. 28	71.36	Nov. 31	73.47	Mar. 29	71.63	Dec. 27	74.73

18S8W-1dba1. Formerly 34. Daugherty & Sons. Formerly Miller & Harris. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 128 feet. Land-surface datum is 175 feet above msl. Highest water level 70.90, Apr. 23, 1946; lowest 80.72, July 30, 1951. Records available: 1946, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 23, 1946	70.90	Jan. 31, 1950	73.37	Oct. 31, 1950	76.09	Apr. 30, 1951	73.08
Apr. 2, 1948	71.97	Feb. 28	72.90	Nov. 28	74.57	July 30	80.72
Apr. 27, 1949	72.14	Mar. 29	73.25	Jan. 9, 1951	74.17	Sept. 27	78.50
Oct. 27	74.63	Apr. 26	72.76	Feb. 8	74.06	Oct. 29	75.40
Nov. 29	73.88	Aug. 31	77.46	26	73.46	Nov. 29	75.17
Dec. 29	73.90	Oct. 4	75.48	Mar. 29	73.22	Dec. 27	74.62

18S8W-29bcd1. Formerly 26-H. Crossett Lumber Co. Drilled observation artesian well in deposits of Quaternary age, diameter 4 inches, depth 169 feet. Land-surface datum is 142.5 feet above msl. Highest water level 80.7, July 5, 1949; lowest 84.8, Dec. 14-16, 22, 1951. Records available: 1949-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	83.5	83.5	83.3	81.6	83.2	83.5	....	83.8	83.5	84.0	....	84.3
2	83.2	84.0	83.1	81.8	83.3	83.5	83.0	83.8	83.5	84.0	....	84.3
3	83.2	83.7	83.1	82.5	83.2	83.5	83.0	83.8	83.3	84.1	84.2	84.3
4	83.6	83.5	83.1	82.5	83.1	83.6	82.7	83.8	83.4	84.2	84.2	84.4
5	83.8	83.1	83.4	82.5	83.2	83.6	82.8	83.9	83.5	84.2	84.1	84.3
6	83.9	82.8	83.4	82.4	83.3	83.5	82.8	83.8	83.6	84.1	84.1	84.4
7	83.9	83.2	83.3	82.3	83.6	83.4	82.8	83.8	83.7	84.2	84.3	84.5
8	....	83.3	83.3	82.5	83.5	83.6	82.9	83.8	83.7	....	84.2	84.5
9	....	83.4	83.6	82.6	83.4	83.5	83.2	83.8	83.7	84.1	84.2	84.6
10	....	83.5	83.4	82.6	83.3	83.3	83.3	83.9	83.8	84.1	84.2	84.4
11	....	83.3	83.4	82.5	83.4	83.1	83.4	83.9	83.8	84.1	84.2	84.2
12	....	83.0	83.6	82.9	83.3	83.5	83.4	83.9	83.8	84.2	84.1	84.4
13	....	83.1	83.4	82.9	83.6	83.6	83.5	83.9	83.9	84.2	84.4	84.5
14	....	83.4	83.4	82.8	83.7	83.5	83.5	83.8	84.0	84.1	84.4	84.8
15	83.3	83.3	83.5	82.8	83.7	....	83.5	83.8	84.0	84.2	84.5	84.8
16	83.3	83.4	83.2	83.1	83.5	....	83.5	83.8	84.0	84.2	84.6	84.8
17	83.1	83.3	83.1	83.2	83.4	....	83.6	83.8	84.0	84.3	84.6	84.5
18	83.1	83.0	83.2	82.9	83.4	....	83.6	83.9	84.0	84.3	84.4	84.6
19	83.1	83.1	83.7	82.9	83.4	....	83.6	83.9	84.0	84.3	84.3	84.6
20	83.1	83.0	83.7	83.1	83.4	....	83.7	83.9	84.0	84.3	84.3	84.4
21	83.5	83.3	83.7	83.0	83.4	....	83.7	83.9	84.0	84.2	84.3	....
22	83.3	83.5	83.4	83.1	83.5	....	83.7	84.0	84.0	84.2	84.3	84.8
23	83.2	83.5	83.4	83.5	83.5	....	83.7	84.0	84.1	84.2	84.3	84.7
24	83.4	83.4	83.5	83.3	83.5	....	83.7	84.0	84.0	84.3	84.4	84.7
25	83.4	83.2	83.6	83.3	83.5	....	83.7	84.0	84.0	84.2	84.4	83.9
26	83.4	83.2	83.5	83.4	83.5	....	83.7	83.9	84.0	84.2	84.4	84.4
27	83.2	83.2	83.1	83.4	83.6	....	83.7	83.9	84.1	84.1	84.4	84.4
28	83.2	83.2	82.4	83.3	83.5	....	83.7	84.0	84.2	84.2	84.4	84.2
29	83.8	....	82.3	83.1	83.5	....	83.8	84.0	84.1	84.2	84.4	83.9
30	83.7	....	82.1	83.1	83.6	....	83.8	83.9	84.1	84.2	84.4	84.2
31	83.4	....	81.7	....	83.6	....	83.8	83.9	....	84.1	....	84.4

## Clay County

20N4E-4aabl. Formerly 30. Harold and Arnold. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 295 feet above msl. Highest water level 12.53, May 2, 1950; lowest 16.44, May 10, 1944. Records available: 1936-44, 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 2, 1936	15.14	May 8, 1940	15.06	May 10, 1944	16.44	May 5, 1949	14.30
May 8, 1937	15.20	May 9, 1941	16.36	Apr. 27, 1946	14.25	May 2, 1950	12.53
May 7, 1938	14.33	May 5, 1942	14.95	May 9, 1947	15.26	Apr. 24, 1951	12.78
May 19, 1939	14.40	Apr. 19, 1943	15.56	May 4, 1948	14.82		

20N5E-34dba1. Formerly 39. Gordon Baldwin. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 281 feet above msl. Highest water level 6.51, Apr. 24, 1951; lowest 13.13, Apr. 27, 1946. Records available: 1946, 1948-51. Apr. 27, 1946, 13.13; May 4, 1948, 12.02; May 5, 1949, 11.01; May 2, 1950, 8.42; Apr. 24, 1951, 6.51. Measurement discontinued.



Columbia County

17S20W-15abb1. Carter Oil Co. Drilled industrial artesian well in Sparta sand, diameter 10 to 6 inches, depth 442 feet. Land-surface datum is 357 feet above msl. Highest water level 288.89, July 31, 1950; lowest 316.96, Oct. 31, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 31, 1950	288.89	Feb. 7, 1951	298.60	May 29, 1951	300.31	Sept. 27, 1951	298.43
Oct. 13	291.54	27	296.69	June 29	295.04	Oct. 30	297.85
31	316.96	Mar. 28	295.41	July 31	295.15	Nov. 29	300.16
Nov. 27	297.90	May 1	295.97	Aug. 31	296.45	Dec. 28	300.89
Jan. 10, 1951	294.19						

17S20W-22cdc1. Carter Oil Co. Drilled industrial artesian well in Sparta sand, diameter 10 to 6 inches, depth 470 feet. Land-surface datum is 294 feet above msl. Highest water level 217.80, Sept. 27, 1951; lowest 234.29, Oct. 31, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 31, 1950	222.06	Feb. 7, 1951	222.83	May 29, 1951	219.68	Sept. 27, 1951	217.80
Oct. 13	221.04	27	222.22	June 29	218.51	Oct. 30	225.66
31	234.29	Mar. 28	221.71	July 31	219.37	Nov. 29	228.07
Nov. 27	222.92	May 1	221.79	Aug. 31	220.69	Dec. 28	228.67
Jan. 10, 1951	221.24						

17S21W-1bca2. Southern State College. Drilled unused public-supply artesian well in Sparta sand, diameter 4 inches, depth 430 feet. Land-surface datum is 345.5 feet above msl. Highest water level 236.7, Dec. 4, 1951; lowest 260.40, Oct. 31, 1950. Records available: 1950-51. Tape measurements on Aug. 31, Sept. 27, Oct. 30, and Nov. 29.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	247.1	253.7	254.1	250.2	.....	248.8	248.7	.....	.....	.....	.....	.....
2	.....	255.3	254.0	249.8	.....	250.8	.....	.....	.....	.....	.....	.....
3	250.6	256.0	253.6	250.4	248.4	249.7	.....	.....	.....	.....	.....	.....
4	250.9	256.1	253.0	251.0	247.0	248.7	.....	.....	.....	.....	.....	236.7
5	251.0	255.3	253.1	250.7	.....	.....	.....	.....	.....	.....	.....	237.3
6	250.8	255.6	253.6	250.5	.....	.....	.....	.....	.....	.....	.....	237.7
7	252.1	255.8	254.1	250.9	.....	.....	.....	.....	.....	.....	.....	238.1
8	251.2	255.2	253.8	250.1	.....	.....	.....	.....	.....	.....	.....	.....
9	252.0	255.0	.....	250.1	.....	249.7	.....	.....	.....	.....	.....	237.5
10	252.1	254.8	.....	250.5	.....	.....	252.3	.....	.....	.....	.....	.....
11	252.2	254.0	.....	250.6	.....	.....	250.7	.....	.....	.....	.....	237.6
12	252.2	253.8	249.3	249.9	.....	.....	250.6	.....	.....	.....	.....	238.3
13	.....	254.5	249.9	250.2	.....	.....	251.0	.....	.....	.....	.....	238.5
14	251.0	254.7	248.1	250.0	.....	.....	252.0	.....	.....	.....	.....	239.0
15	250.8	255.0	250.8	249.4	.....	.....	249.7	.....	.....	.....	.....	238.2
16	251.5	254.9	251.1	248.8	.....	.....	.....	.....	.....	.....	.....	238.7
17	251.2	254.3	250.5	248.4	.....	.....	.....	.....	.....	.....	.....	239.2
18	251.3	253.8	250.3	250.4	.....	.....	248.8	.....	.....	.....	.....	243.8
19	250.9	.....	250.1	250.8	.....	.....	249.8	.....	.....	.....	.....	243.3
20	250.8	.....	250.5	251.3	247.0	.....	251.3	.....	.....	.....	.....	242.6
21	250.7	254.6	251.0	250.7	247.4	.....	254.5	.....	.....	.....	.....	243.0
22	250.3	254.4	251.3	250.2	249.0	.....	254.9	.....	.....	.....	.....	241.9
23	252.6	254.6	250.1	249.5	248.7	.....	255.4	.....	.....	.....	.....	241.2
24	254.0	254.4	249.1	250.0	247.0	.....	.....	.....	.....	.....	.....	240.7
25	253.5	254.1	248.5	250.9	.....	.....	255.4	.....	.....	.....	.....	240.0
26	253.1	253.8	248.6	251.2	.....	.....	253.2	.....	.....	.....	.....	240.1
27	252.4	254.1	249.3	251.8	.....	248.8	253.1	.....	251.22	.....	.....	240.0
28	251.9	254.0	250.2	251.1	.....	248.7	.....	.....	.....	.....	.....	239.3
29	251.5	.....	250.6	250.6	249.1	249.1	.....	.....	.....	.....	238.46	239.4
30	252.1	.....	250.4	250.3	249.0	248.7	.....	.....	.....	246.24	.....	239.2
31	252.9	.....	250.7	.....	249.7	.....	.....	254.05	.....	.....	.....	239.3

17S21W-11dcbl. Town of Magnolia. Drilled public-supply artesian well in Sparta sand, diameter 12 inches, depth 440 feet. Land-surface datum is 288 feet above msl. Highest water level 206.54, Mar. 1950; lowest 253.55, Sept. 27, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 30, 1949	210.60	Feb. 7, 1951	222.59	Mar. 28, 1951	220.00	Sept. 27, 1951	253.55
Mar. 1950	206.54	27	217.74	July 31	239.95	Nov. 29	220.55
Jan. 11, 1951	218.77						

Craighead County

13N2E-3bbb1. Formerly 36. T. C. Clark. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 250.5 above msl. Highest water level 21.88, May 9, 1944; lowest 34.79, Apr. 24, 1951. Records available: 1944, 1946-51. May 9, 1944, 21.88; Apr. 28, 1946, 30.10; May 9, 1947, 29.57; May 4, 1948, 29.28; May 5, 1949, 33.88; May 2, 1950, 34.10; Apr. 24, 1951, 34.79. Measurement discontinued.

Cross County

9N1E-21bab1. Formerly 14. L. H. Rutledge. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 234.5 feet above msl. Highest water level 37.40, Apr. 20, 1943; lowest 43.22, Apr. 23, 1951. Records available: 1936-44, 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 3, 1936	38.22	May 9, 1940	38.54	May 9, 1944	40.09	May 4, 1949	42.30
May 7, 1937	38.02	May 8, 1941	38.88	Apr. 28, 1946	40.53	May 1, 1950	42.48
May 6, 1938	38.14	May 6, 1942	38.82	May 10, 1947	41.41	Apr. 23, 1951	43.22
May 9, 1939	37.75	Apr. 20, 1943	37.40	May 3, 1948	42.00		

Jackson County

12N2W-25abb1. Formerly 20A. R. D. Wellman. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 232 feet above msl. Highest water level 9.52, May 2, 1950; lowest 12.61, May 10, 1944. Records available: 1943-44, 1946, 1948-51. Apr. 19, 1943, 9.80; May 10, 1944, 12.61; Apr. 27, 1946, 10.57; May 4, 1948, 11.47; May 5, 1949, 10.89; May 2, 1950, 9.52; Apr. 24, 1951, 9.74. Measurement discontinued.

13N1W-20abc1. Formerly 21. A. J. Goetz. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 244 feet above msl. Highest water level 12.06, Apr. 24, 1951; lowest 17.38, May 10, 1944. Records available: 1936-39, 1943-44, 1946-51.

Apr. 3, 1936	14.90	May 10, 1939	16.25	Apr. 27, 1946	15.55	May 5, 1949	14.16
May 8, 1937	15.60	Apr. 19, 1943	17.08	May 9, 1947	15.66	May 2, 1950	12.28
May 6, 1938	15.10	May 10, 1944	17.38	May 4, 1948	15.89	Apr. 24, 1951	12.06

Jefferson County

3S7W-24bcc1. Formerly 270. V. D. Harlan. Drilled unused artesian well in deposits of Quaternary age, diameter 20 inches, depth 105 feet. Land-surface datum is 197.34 feet above msl. Highest water level 14.22, Mar. 18, 1929; lowest 22.86, Sept. 28, 1951. Records available: 1929-35, 1937-44, 1948-51.

Mar. 18, 1929	14.22	Apr. 6, 1942	18.18	Apr. 26, 1950	19.07	Mar. 29, 1951	19.26
May 1, 1930	15.76	Apr. 5, 1943	17.11	May 31	19.36	Apr. 2	19.01
May 4, 1931	16.41	Apr. 5, 1944	20.21	July 5	20.32	30	18.98
Apr. 30, 1932	15.29	Apr. 6, 1948	20.99	31	21.49	May 28	19.67
Mar. 4, 1933	16.57	Apr. 4, 1949	21.09	Sept. 5	21.73	June 27	21.02
Mar. 15, 1934	14.88	Oct. 27	22.34	Oct. 3	21.70	July 30	21.77
Mar. 15, 1935	16.46	Nov. 28	22.08	30	21.54	Aug. 30	22.56
Apr. 5, 1937	17.30	Dec. 30	22.59	Nov. 29	21.18	Sept. 28	22.86
Apr. 2, 1938	16.36	Feb. 1, 1950	20.40	Jan. 8, 1951	20.69	Oct. 29	22.10
Apr. 3, 1939	17.42	28	19.37	Feb. 8	19.99	Nov. 30	22.74
Apr. 2, 1940	18.37	Mar. 30	20.65	26	19.61	Dec. 27	22.08
Apr. 3, 1941	19.40	Apr. 3	19.46				

4S7W-9bab1. Elms Planting Co. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 inches, depth 100 feet. Land-surface datum is 185 feet above msl. Highest water level 1.98, Feb. 26, 1951; lowest 13.77, July 5, 1950. Records available: 1949-51.

Oct. 27, 1949	13.59	May 31, 1950	7.44	Jan. 8, 1951	5.20	July 30, 1951	12.99
Nov. 28	8.67	July 5	13.77	Feb. 8	3.52	Aug. 30	13.38
Dec. 30	6.44	31	13.64	26	1.98	Sept. 28	12.87
Feb. 1, 1950	3.49	Sept. 5	11.88	Mar. 29	2.28	Oct. 29	12.05
28	2.43	Oct. 3	9.08	Apr. 30	2.80	Nov. 30	10.25
Mar. 30	3.14	30	8.18	May 28	10.14	Dec. 27	6.91
Apr. 26	3.34	Nov. 29	6.72	June 27	10.86		

4S7W-18ddd1. Mr. Ragland. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 101 feet. Land-surface datum is 200 feet above msl. Highest water level 12.12, Feb. 28, 1950; lowest 22.66, July 31, 1950. Records available: 1949-51.

## 4S7W-18ddd1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 27, 1949	18.32	May 31, 1950	17.26	Nov. 29, 1950	17.61	Apr. 30, 1951	13.81
Nov. 28	18.70	July 5	22.20	Jan. 8, 1951	15.47	June 27	20.90
Dec. 30	15.18	31	22.66	Feb. 8	13.52	Sept. 28	22.13
Feb. 28, 1950	12.12	Sept. 5	20.78	26	12.13	Nov. 30	20.10
Mar. 30	15.56	Oct. 3	18.79	Mar. 29	13.80	Dec. 27	18.94
Apr. 26	13.98	30	18.80				

4S8W-35bbd2. Town of Altheimer. Drilled public-supply artesian well in sand of Claiborne group, diameter 6 to 4 inches, depth 1,011 feet. Land-surface datum is 200 feet above msl. Highest water level 45.18, May 31, 1950; lowest 55.22, Sept. 28, 1951. Records available: 1949-51.

Oct. 27, 1949	48.20	Apr. 26, 1950	46.07	Feb. 8, 1951	47.38	July 30, 1951	49.37
Nov. 28	47.27	May 31	45.18	26	48.64	Aug. 30	49.69
Dec. 30	46.01	July 31	45.68	Mar. 29	47.22	Sept. 28	55.22
Feb. 1, 1950	45.57	Oct. 3	47.16	Apr. 30	47.29	Oct. 29	53.40
28	46.26	Nov. 29	48.50	May 28	47.04	Dec. 27	50.39
Mar. 30	45.79	Jan. 8, 1951	48.13	June 27	50.98		

5S9W-33cdb1. Cotton Belt Railroad. Drilled industrial artesian well in sand of Claiborne group, diameter 10 inches, depth 836 feet. Land-surface datum is 220 feet above msl. Highest water level 52.34, July 5, 1950; lowest 61.50, Dec. 29, 1949. Records available: 1949-51.

Oct. 27, 1949	55.22	Apr. 26, 1950	54.79	Oct. 4, 1950	55.99	June 28, 1951	57.14
Dec. 29	61.50	June 1	54.19	30	56.30	July 30	58.15
Feb. 1, 1950	55.68	July 5	52.34	Nov. 28	56.83	Aug. 30	58.34
28	56.97	31	56.68	Mar. 29, 1951	56.01	Dec. 27	57.96
Mar. 30	54.90	Aug. 31	57.30	May 28	57.23		

5S9W-33dcb1. Cotton Belt Railroad. Drilled artesian well in sand of Claiborne group, diameter 10 inches, depth 865 feet. Land-surface datum is 220 feet above msl. Highest water level 57.05, Nov. 28, 1949; lowest 63.06, Oct. 29, 1951. Nov. 28, 1949, 57.05; Apr. 30, 1951, 60.25; Sept. 28, 62.14; Oct. 29, 63.06; Nov. 30, 61.80. Records available: 1949, 1951.

6S9W-3ddd1. Planter's Cotton Oil Mill. Drilled industrial artesian well in Sparta sand, diameter 5 to 4 inches, depth 800+ feet. Land-surface datum is 220 feet above msl. Highest water level 37.40, July 30, 1951; lowest 45.43, Oct. 27, 1949. Records available: 1949-51.

Oct. 27, 1949	45.43	Mar. 30, 1950	40.10	Aug. 31, 1950	39.87	Feb. 8, 1951	40.98
Nov. 28	40.62	Apr. 26	40.82	Oct. 4	38.54	Apr. 30	41.16
Dec. 29	41.83	May 31	37.58	30	42.04	July 30	37.40
Feb. 1, 1950	38.80	July 5	38.35	Jan. 8, 1951	42.91		

## Lonoke County

1N8W-4ccc1. Formerly 61. Lonoke County Bank. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 236.28 feet above msl. Highest water level 43.40, May 13, 1929; lowest 55.72, Apr. 18, 1951. Records available: 1929-31, 1933-44, 1947-51. Measurement discontinued.

May 13, 1929	43.40	Apr. 22, 1935	45.42	May 2, 1940	48.70	May 7, 1947	53.37
Apr. 21, 1930	44.05	Apr. 24, 1936	45.86	May 2, 1941	48.84	Apr. 20, 1948	54.92
Apr. 20, 1931	44.70	Apr. 29, 1937	46.98	May 2, 1942	48.87	Apr. 21, 1949	55.28
Feb. 18, 1933	44.54	May 3, 1938	47.50	Apr. 24, 1943	49.18	Apr. 26, 1950	55.68
Feb. 28, 1934	45.55	May 2, 1939	48.30	Apr. 24, 1944	50.80	Apr. 18, 1951	55.72

2N7W-9acc1. Formerly 28. G. Koch. Drilled irrigation artesian well in deposits of Quaternary age, depth 156 feet. Land-surface datum is 240.82 feet above msl. Highest water level 60.90, May 4, 1929; lowest 80.61, Apr. 18, 1951. Records available: 1929-31, 1933-44, 1947-51. Measurement discontinued.

May 4, 1929	60.90	Apr. 22, 1935	63.79	May 2, 1940	69.15	May 7, 1947	74.82
Apr. 22, 1930	61.70	Apr. 24, 1936	64.42	May 1, 1941	69.09	Apr. 20, 1948	77.92
Apr. 20, 1931	62.70	May 3, 1937	65.91	May 2, 1942	68.98	Apr. 21, 1949	78.86
Feb. 21, 1933	64.24	Mar. 2, 1938	67.26	Apr. 24, 1943	69.18	Apr. 26, 1950	80.34
Feb. 28, 1934	63.44	May 1, 1939	68.39	Apr. 24, 1944	71.67	Apr. 18, 1951	80.61

2N7W-22daa1. J. E. Tucker. Formerly B12. Drilled irrigation artesian well in deposits of Quaternary age, diameter 24 inches, depth 110 feet. Highest water level 62.15, May 3, 1937; lowest 78.41, Sept. 28, 1951. Records available: 1937-39, 1944-51.

## 2N7W-22daa1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 3, 1937	62.15	Apr. 21, 1949	73.64	Apr. 26, 1950	74.78	Mar. 28, 1951	75.01
May 2, 1938	63.49	Oct. 28	75.78	Sept. 5	77.01	Apr. 18	74.98
May 1, 1939	64.39	Nov. 28	76.30	Oct. 3	76.72	30	74.94
Apr. 25, 1944	67.77	Dec. 30	75.44	30	76.81	Sept. 28	78.41
Apr. 15, 1945	68.90	Jan. 30, 1950	74.85	Nov. 29	76.33	Oct. 29	77.68
Apr. 24, 1946	69.05	Feb. 28	74.56	Jan. 8, 1951	76.23	Nov. 30	77.54
May 6, 1947	70.85	Mar. 30	74.89	30	76.20	Dec. 27	77.96
Apr. 21, 1948	73.70	Apr. 26	74.32	Feb. 26	75.34		

2N7W-29dcb1. Formerly 37. Owner unknown. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 228.7 feet above msl. Highest water level 49.38, Apr. 25, 1929; lowest 65.75, Apr. 18, 1951. Records available: 1928-51.

Apr. 19, 1928	49.70	Feb. 28, 1934	52.90	May 2, 1940	56.68	Apr. 24, 1946	60.83
Apr. 25, 1929	49.38	Feb. 20, 1935	52.60	May 2, 1941	56.94	May 7, 1947	62.47
Apr. 21, 1930	50.29	Apr. 24, 1936	53.33	May 2, 1942	57.09	Apr. 20, 1948	63.77
Apr. 21, 1931	51.74	May 4, 1937	54.48	Apr. 24, 1943	57.81	Apr. 21, 1949	64.40
Apr. 25, 1932	51.26	Mar. 3, 1938	55.46	Apr. 24, 1944	59.35	Apr. 26, 1950	65.20
Feb. 18, 1933	51.89	May 2, 1939	56.60	Apr. 19, 1945	60.74	Apr. 18, 1951	65.75

2N8W-4bbb1. Formerly 8. Lawrence Hauk. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 243.35 feet above msl. Highest water level 42.08, Apr. 21, 1930; lowest 58.90, Apr. 26, 1950. Records available: 1929-30, 1932, 1934-51.

May 14, 1929	42.21	Apr. 29, 1937	46.90	May 2, 1942	50.37	May 7, 1947	56.29
Apr. 21, 1930	42.08	May 2, 1938	48.01	Apr. 24, 1943	51.25	Apr. 20, 1948	58.05
Feb. 20, 1932	44.40	May 1, 1939	49.00	Apr. 24, 1944	53.00	Apr. 21, 1949	58.34
Feb. 22, 1934	44.86	May 2, 1940	49.54	Apr. 19, 1945	54.78	Apr. 26, 1950	58.90
Apr. 22, 1935	45.10	May 1, 1941	50.22	Apr. 24, 1946	54.71	Apr. 18, 1951	58.34
Apr. 24, 1936	45.64						

2N8W-26cdc1. Formerly 19. Charles G. Miller. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 232.44 feet above msl. Highest water level 45.23, May 13, 1929; lowest 61.09, Apr. 18, 1951. Records available: 1929-30, 1932, 1934-51.

May 13, 1929	45.23	May 4, 1937	49.26	May 2, 1942	51.22	May 7, 1947	58.35
Apr. 21, 1930	45.86	May 3, 1938	49.98	Apr. 24, 1943	51.46	Apr. 20, 1948	59.61
Apr. 18, 1932	46.76	May 2, 1939	50.95	Apr. 24, 1944	53.79	Apr. 21, 1949	60.25
Feb. 20, 1934	48.22	May 2, 1940	51.08	Apr. 19, 1945	55.28	Apr. 26, 1950	60.73
Apr. 22, 1935	48.72	May 2, 1941	50.91	Apr. 24, 1946	56.30	Apr. 18, 1951	61.09
Mar. 11, 1936	48.59						

2N9W-36aab1. W. J. Elmore. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 inches, depth 130 feet. Highest water level 55.80, Feb. 28, 1950; lowest 59.22, Sept. 28, 1951. Records available: 1949-51.

Oct. 28, 1949	57.24	July 31, 1950	58.58	Jan. 8, 1951	56.96	May 28, 1951	57.22
Dec. 30	58.50	Sept. 5	58.20	30	56.95	Sept. 28	59.22
Jan. 30, 1950	56.30	Oct. 3	57.52	Feb. 26	56.58	Oct. 29	58.39
Feb. 28	55.80	30	57.39	Mar. 29	55.88	Nov. 30	58.20
Mar. 30	56.55	Nov. 29	57.04	Apr. 30	56.08	Dec. 27	58.57
Apr. 26	56.03						

3N7W-31cdd1. Formerly 5. Carl Lilly. Drilled irrigation artesian well in deposits of Quaternary age, diameter 24 to 16 inches, depth 168 feet. Land-surface datum is 242.6 feet above msl. Highest water level 52.62, Apr. 21, 1930; lowest 69.26, Apr. 18, 1951. Records available: 1930-31, 1933-42, 1944-51. Measurement discontinued.

Apr. 21, 1930	52.62	Apr. 24, 1936	55.26	May 1, 1941	59.58	May 7, 1947	66.20
Apr. 20, 1931	53.59	May 4, 1937	57.57	May 2, 1942	59.58	Apr. 20, 1948	67.45
Feb. 21, 1933	55.20	May 2, 1938	58.13	Apr. 24, 1944	62.60	Apr. 21, 1949	68.35
Feb. 28, 1934	54.98	May 1, 1939	58.65	Apr. 19, 1945	64.11	Apr. 26, 1950	68.69
Apr. 22, 1935	54.55	May 2, 1940	59.00	Apr. 24, 1946	64.28	Apr. 18, 1951	69.26

1S7W-12bbc1. Formerly 126. Vennum & Patterson. Drilled irrigation artesian well in deposits of Quaternary age, diameter 28 to 13 inches, depth 138 feet. Land-surface datum is 211.97 feet above msl. Highest water level 32.30, May 21, 1929; lowest 44.19, Apr. 18, 1951. Records available: 1929-32, 1934-44, 1947-51. Measurement discontinued.

May 21, 1929	32.30	Apr. 22, 1935	34.22	May 2, 1940	37.72	May 7, 1947	42.80
Apr. 21, 1930	33.22	Apr. 20, 1936	35.73	May 2, 1941	37.98	Apr. 20, 1948	43.13
Apr. 21, 1931	33.35	Apr. 29, 1937	35.53	May 2, 1942	38.48	Apr. 21, 1949	43.84
Apr. 21, 1932	32.52	May 3, 1938	36.39	Apr. 24, 1943	38.36	Apr. 26, 1950	44.18
Feb. 20, 1934	33.88	May 3, 1939	37.23	Apr. 24, 1944	40.13	Apr. 18, 1951	44.19

1S7W-14ada1. Formerly 127. Vennum & Patterson. Drilled irrigation artesian well in deposits of Quaternary age, diameter 28 to 13 inches, depth 148 feet. Land-surface datum is 210.82 feet above msl. Highest water level 29.07, May 21, 1929; lowest 41.20, Apr. 18, 1951. Records available: 1929-32, 1934-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 21, 1929	29.07	Apr. 24, 1936	32.31	May 2, 1942	35.80	May 7, 1947	38.80
Apr. 21, 1930	30.00	Apr. 29, 1937	32.80	Apr. 24, 1943	35.75	Apr. 20, 1948	39.86
Apr. 21, 1931	30.20	May 3, 1938	33.63	Apr. 24, 1944	37.32	Apr. 21, 1949	40.37
Apr. 21, 1932	30.05	May 2, 1939	34.31	Apr. 19, 1945	38.16	Apr. 26, 1950	40.62
Feb. 20, 1934	31.37	May 2, 1940	34.88	Apr. 24, 1946	37.68	Apr. 18, 1951	41.20
Apr. 22, 1935	32.30	May 2, 1941	35.34				

### Monroe County

2N3W-13cbb1. Formerly 2. A. N. Gibbs. Drilled irrigation artesian well in deposits of Quaternary age, depth 125 feet. Land-surface datum is 179 feet above msl. Highest water level 16.29, Apr. 26, 1946; lowest 21.24, May 8, 1947. Records available: 1938-44, 1946-51.

May 5, 1938	16.83	May 4, 1942	19.53	Apr. 26, 1946	16.29	May 4, 1949	19.46
May 9, 1939	17.14	Apr. 21, 1943	20.60	May 8, 1947	21.24	May 1, 1950	18.48
May 6, 1940	19.53	May 8, 1944	18.71	May 3, 1948	20.94	Apr. 23, 1951	19.11
May 7, 1941	20.07						

1S3W-19baa1. Formerly 193. Hugh H. Burns. Drilled irrigation artesian well in deposits of Quaternary age, depth 162 feet. Land-surface datum is 216.8 feet above msl. Highest water level 63.45, May 25, 1929; lowest 72.65, Apr. 30, 1941. Records available: 1929-44, 1947-51.

May 25, 1929	63.45	Mar. 15, 1935	69.00	May 2, 1940	72.01	Apr. 23, 1947	70.02
Apr. 23, 1930	65.05	Apr. 17, 1936	70.14	Apr. 30, 1941	72.65	Apr. 17, 1948	70.80
Apr. 22, 1931	67.07	Apr. 30, 1937	70.20	May 1, 1942	71.80	Apr. 19, 1949	70.44
Apr. 22, 1932	67.28	Apr. 30, 1938	70.45	Apr. 23, 1943	70.36	Apr. 24, 1950	71.08
Mar. 4, 1933	69.60	Apr. 29, 1939	70.67	Apr. 20, 1944	70.95	Apr. 16, 1951	69.16
Mar. 15, 1934	68.59						

1S4W-22bbc1. Formerly 178. Kreimeir Estate. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 8 inches, depth 140 feet. Land-surface datum is 207.2 feet above msl. Highest water level 62.84, May 17, 1929; lowest 76.35, Apr. 22, 1949. Records available: 1929-35, 1937-51. Measurement discontinued.

May 17, 1929	62.84	Apr. 23, 1935	69.93	May 1, 1942	73.35	Apr. 21, 1947	75.64
Apr. 23, 1930	65.64	Apr. 30, 1937	71.29	Apr. 23, 1943	72.69	Apr. 22, 1948	76.20
Apr. 22, 1931	67.57	Apr. 30, 1938	71.84	Apr. 20, 1944	74.68	Apr. 22, 1949	76.35
Apr. 22, 1932	67.84	Apr. 29, 1939	72.51	Apr. 20, 1945	75.34	Apr. 27, 1950	76.24
Mar. 4, 1933	69.28	May 2, 1940	72.72	Apr. 25, 1946	75.09	Apr. 19, 1951	76.03
Mar. 15, 1934	69.30	Apr. 30, 1941	73.35				

### Poinsett County

11N1E-36ccd1. Formerly 16. Eric Scholze. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 237.5 feet above msl. Highest water level 30.39, Apr. 3, 1936; lowest 37.14, May 1, 1950. Records available: 1936-37, 1939-44, 1946-51.

Apr. 3, 1936	30.39	May 8, 1941	32.74	Apr. 28, 1946	33.92	May 4, 1949	36.98
May 7, 1937	30.72	May 6, 1942	32.70	May 10, 1947	35.32	May 1, 1950	37.14
May 9, 1939	30.67	Apr. 20, 1943	33.05	May 3, 1948	36.34	Apr. 23, 1951	36.46
May 9, 1940	31.74	May 9, 1944	34.20				

### Prairie County

1N5W-15abb1. Formerly 110. F. W. Sickel. Drilled irrigation artesian well in deposits of Quaternary age, depth 162 feet. Land-surface datum is 222.5 feet above msl. Highest water level 64.57, May 17, 1929; lowest 86.91, Apr. 19, 1949. Records available: 1929-51.

May 17, 1929	64.57	Apr. 23, 1935	71.65	Apr. 30, 1941	74.54	Apr. 21, 1947	85.56
Apr. 23, 1930	67.65	Apr. 18, 1936	78.11	May 1, 1942	79.72	Apr. 19, 1948	82.22
Apr. 25, 1931	69.76	Apr. 28, 1937	73.95	Apr. 28, 1943	80.35	Apr. 19, 1949	86.91
Feb. 22, 1932	66.65	Apr. 29, 1938	75.16	Apr. 21, 1944	83.72	Apr. 24, 1950	86.37
Feb. 21, 1933	71.80	Apr. 28, 1939	77.16	Apr. 19, 1945	85.03	Apr. 16, 1951	86.89
Feb. 23, 1934	72.68	May 2, 1940	77.23	Apr. 24, 1946	84.16		

1N6W-8aaa1. Formerly 88. Herman Hardke. Drilled irrigation artesian well in deposits of Quaternary age, diameter 26 to 10 inches, depth 130 feet. Land-surface datum is 219.3 feet above msl. Highest water level 51.88, May 31, 1929; lowest 67.61, Apr. 25, 1950. Records available: 1929-31, 1934-44, 1947-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 31, 1929	51.88	Apr. 24, 1936	57.15	Apr. 28, 1941	61.04	Apr. 21, 1948	59.92
Apr. 22, 1930	52.92	Apr. 27, 1937	58.11	Apr. 23, 1942	61.33	Apr. 20, 1949	63.42
Apr. 25, 1931	53.95	Apr. 27, 1938	59.41	Apr. 22, 1943	60.61	Apr. 25, 1950	67.61
Mar. 12, 1934	56.59	Apr. 26, 1939	60.03	Apr. 22, 1944	63.25	Apr. 17, 1951	64.50
May 13, 1935	56.43	May 1, 1940	60.49	Apr. 22, 1947	66.06		

1N6W-20ccc1. Formerly 97. J. A. Papan. Drilled irrigation artesian well in deposits of Quaternary age, depth 130 feet. Land-surface datum is 221.97 feet above msl. Highest water level 52.46, May 15, 1929; lowest 68.46, Apr. 17, 1951. Records available: 1929-32, 1934-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 15, 1929	52.46	Apr. 20, 1936	57.32	Apr. 23, 1942	61.21	Apr. 22, 1947	65.27
Apr. 26, 1930	53.28	Apr. 27, 1937	58.33	Apr. 22, 1943	61.35	Apr. 21, 1948	66.25
Apr. 25, 1931	54.00	Apr. 27, 1938	59.40	Apr. 22, 1944	63.19	Apr. 20, 1949	67.10
Feb. 22, 1932	55.30	Apr. 26, 1939	59.90	Apr. 19, 1945	64.16	Apr. 25, 1950	67.31
Mar. 12, 1934	56.33	May 1, 1940	60.23	Apr. 24, 1946	64.02	Apr. 17, 1951	68.46
Mar. 13, 1935	55.87	Apr. 28, 1941	60.94				

2N5W-13ccc1. Formerly 55. George Jensen. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 224.85 feet above msl. Highest water level 50.80, Apr. 29, 1929; lowest 64.99, Apr. 21, 1947. Records available: 1929-35, 1937-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 29, 1929	50.80	Apr. 9, 1935	50.70	Apr. 24, 1942	60.09	Apr. 21, 1947	64.99
Apr. 23, 1930	53.70	May 5, 1937	59.63	Apr. 23, 1943	59.16	Apr. 19, 1948	62.34
May 1, 1931	57.53	Apr. 29, 1938	57.91	Apr. 23, 1944	62.57	Apr. 19, 1949	63.60
Feb. 20, 1932	54.54	Apr. 28, 1939	57.95	Apr. 19, 1945	61.28	Apr. 24, 1950	63.83
Feb. 21, 1933	55.78	May 2, 1940	60.11	Apr. 24, 1946	62.63	Apr. 16, 1951	62.97
Mar. 5, 1934	55.96	Apr. 29, 1941	61.89				

1S5W-9bcb1. P. L. Beem. Drilled irrigation artesian well in sand of Claiborne group, diameter 12 to 8 inches, depth 640 feet. Land-surface datum is 218 feet above msl. Highest water level 60.80, Apr. 26, 1950; lowest 82.54, Aug. 30, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 28, 1949	67.08	Apr. 26, 1950	60.80	Oct. 30, 1950	66.37	Apr. 30, 1951	61.80
Nov. 28	67.49	May 31	67.34	Nov. 29	66.09	Aug. 30	82.54
Dec. 30	65.64	July 5	75.86	Jan. 8, 1951	63.98	Sept. 28	75.50
Feb. 3, 1950	62.43	31	71.97	30	63.46	Oct. 29	75.39
28	61.58	Sept. 5	70.64	Feb. 26,	62.73	Nov. 30	68.11
Mar. 30	61.42	Oct. 3	69.37	Mar. 29	62.10	Dec. 27	66.81

1S5W-16cbb1. Formerly B60. Chester Harris. Drilled irrigation artesian well in sand of Claiborne group, depth 662 feet. Land-surface datum is 215 feet above msl. Highest water level 39.31, Apr. 7, 1936; lowest 80.90, Sept. 28, 1951. Records available: 1936-37, 1939-44, 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 7, 1936	39.31	Apr. 10, 1944	46.24	Apr. 26, 1950	58.78	Jan. 8, 1951	60.49
Apr. 17, 1937	46.43	Oct. 28, 1949	65.97	July 31	71.80	30	61.39
Apr. 4, 1939	42.48	Nov. 28	62.77	Sept. 5	75.94	Feb. 26	60.48
Apr. 4, 1940	43.11	Dec. 30	61.78	Oct. 3	66.21	Mar. 29	59.89
Apr. 5, 1941	43.33	Feb. 28, 1950	59.54	30	64.28	Apr. 30	59.59
Apr. 11, 1942	43.48	Mar. 30	59.18	Nov. 29	62.66	Sept. 28	80.90
Apr. 8, 1943	44.28						

1S5W-20abb1. Formerly B66. U. S. Air Force Air Base. Formerly Mike Prislovsky. Drilled irrigation artesian well in sand of Claiborne group, diameter 12 to 8 inches, depth 632 feet. Land-surface datum is 218 feet above msl. Highest water level 50.43, Apr. 29, 1938; lowest 71.31, Sept. 28, 1951. Records available: 1937-42, 1947, 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 26, 1937	50.70	Nov. 28, 1949	63.85	July 31, 1950	71.25	Mar. 29, 1951	58.97
Apr. 29, 1938	50.43	Dec. 30	61.10	Sept. 5	69.19	Apr. 17	58.78
Apr. 13, 1939	51.17	Feb. 1	59.71	Oct. 3	65.63	30	58.63
Apr. 24, 1940	51.54	28	58.79	30	63.61	Sept. 28	71.31
Apr. 16, 1941	51.80	Mar. 30	58.38	Nov. 29	62.03	Oct. 29	67.80
Apr. 20, 1942	51.93	Apr. 25	57.26	Jan. 8, 1951	60.79	Nov. 30	67.42
May 7, 1947	55.50	26	57.95	30	60.25	Dec. 27	64.02
Oct. 28, 1949	64.20	May 31	71.11	Feb. 26	59.57		

186W-27bcc1. Formerly 135. C. D. Yohe. Drilled irrigation artesian well in deposits of Quaternary age, depth 138 feet. Land-surface datum is 204.65 feet above msl. Highest water level 36.30, May 15, 1929; lowest 51.57, Apr. 17, 1951. Records available: 1929-31, 1934-44, 1947-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 15, 1929	36.30	Apr. 16, 1936	42.42	Apr. 16, 1941	44.94	Apr. 21, 1948	49.93
May 14, 1930	37.12	Apr. 17, 1937	42.31	Apr. 20, 1942	45.55	Apr. 20, 1949	50.56
Apr. 25, 1931	38.81	Apr. 15, 1938	43.89	Apr. 21, 1943	45.48	Apr. 25, 1950	50.72
Mar. 12, 1934	40.92	Apr. 13, 1939	44.99	Apr. 19, 1944	46.89	Apr. 17, 1951	51.57
Mar. 13, 1935	41.65	Apr. 23, 1940	45.25	Apr. 22, 1947	49.00		

286W-14bba1. Formerly 201. Guy Robinson. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 198 feet above msl. Highest water level 38.86, Apr. 26, 1930; lowest 54.99, Apr. 17, 1951. Records available: 1930-32, 1934-51.

Apr. 26, 1930	38.86	Apr. 17, 1937	45.05	Apr. 20, 1942	48.45	Apr. 22, 1947	52.20
Apr. 25, 1931	40.58	Apr. 15, 1938	44.97	Apr. 21, 1943	47.91	Apr. 21, 1948	53.15
Apr. 23, 1932	41.22	Apr. 13, 1939	47.08	Apr. 19, 1944	50.09	Apr. 20, 1949	54.02
Mar. 12, 1934	42.97	Apr. 23, 1940	47.28	Apr. 18, 1945	51.07	Apr. 25, 1950	54.46
Mar. 13, 1935	37.09	Apr. 16, 1941	47.88	Apr. 25, 1946	51.42	Apr. 17, 1951	54.99
Apr. 13, 1936	44.02						

#### Randolph County

19N2E-9dbcl. Formerly 44. Sallee Bros. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 266 feet above msl. Highest water level 4.62, May 2, 1950; lowest 10.13, Apr. 27, 1946. Records available: 1946-51. Apr. 27, 1946, 10.13; May 9, 1947, 5.24; May 4, 1948, 9.83; May 5, 1949, 9.30; May 2, 1950, 4.62; Apr. 24, 1951, 5.27. Measurement discontinued.

#### St. Francis County

4N1W-36bab1. Formerly 6A. Dusek Bros. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 207 feet above msl. Highest water level 39.85, May 8, 1944; lowest 42.28, May 1, 1950. Records available: 1944, 1946-51. May 8, 1944, 39.85; Apr. 26, 1946, 40.57; May 8, 1947, 41.07; May 3, 1948, 41.58; May 4, 1949, 41.93; May 1, 1950, 42.28; Apr. 23, 1951, 42.06. Measurement discontinued.

#### Union County

17S15W-17dad1. Formerly B. C. 1. Arkansas-Louisiana Gas Co. Drilled industrial artesian well in sand of Claiborne group, depth 615 feet. Highest water level 189.52, May 1946; lowest 256.67, Aug. 31, 1951. Records available: 1946-47, 1949-51.

May 1946	189.52	Feb. 8, 1947	196.88	Oct. 4, 1950	241.26	May 29, 1951	238.18
June	189.98	Mar.	197.17	31	243.30	June 28	244.93
July	193.84	Apr.	194.72	Nov. 27	244.08	July 31	241.00
Aug.	192.57	May	196.01	Jan. 9, 1951	243.25	Aug. 31	256.67
Sept.	192.89	Sept. 28, 1949	224.66	Feb. 7	241.88	Sept. 27	256.60
Oct.	191.69	Oct. 26	224.36	27	242.46	Oct. 30	256.37
Nov.	192.67	Nov. 29	226.11	Mar. 28	244.63	Nov. 29	256.64
Jan. 1947	189.62	Mar. 29, 1950	247.99	May 1	241.42	Dec. 28	256.54
Feb.	193.00	June 1	234.15				

17S15W-17dad2. Formerly B. C. 2. Arkansas-Louisiana Gas Co. Drilled industrial artesian well in sand of Claiborne group, depth 637 feet. Highest water level 189.30, Feb. 18, 1947; lowest 248.18, Aug. 31, 1951. Records available: 1947, 1949-51.

Feb. 18, 1947	189.30	Apr. 27, 1950	222.30	Jan. 9, 1951	235.32	July 31, 1951	233.30
Sept. 28, 1949	216.16	June 1	225.87	Feb. 7	233.83	Aug. 31	248.18
Nov. 29	218.83	July 6	233.14	27	233.91	Sept. 27	247.95
Dec. 29	224.95	Aug. 1	232.79	Mar. 28	236.21	Oct. 30	247.90
Jan. 31, 1950	224.03	31	234.65	May 1	232.92	Nov. 29	248.24
Mar. 1	222.78	Oct. 4	235.04	29	229.45	Dec. 28	248.15
29	225.48	31	237.31	June 28	236.58		

17S15W-33bcc1. Rock Island Railroad. Formerly R. I. -2. Drilled industrial artesian well in Sparta sand, depth 680 feet. Land-surface datum is 226 feet above msl. Highest water level 251, Feb. 1947; lowest 318.89, Aug. 31, 1951. Records available: 1947, 1949-51.

## 17S15W-33bcc1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1947	251.	Mar. 1, 1950	285.55	Jan. 9, 1951	298.61	June 28, 1951	304.13
May	254.	29	285.19	Feb. 7	300.66	Aug. 31	318.89
Sept. 28, 1949	286.60	Apr. 27	285.06	27	303.24	Sept. 27	311.75
Oct. 26	289.17	July 6	296.08	Mar. 28	309.43	Oct. 30	309.38
Nov. 29	290.68	Oct. 4	298.97	May 1	301.02	Dec. 22	310.02
Dec. 29	285.25	Nov. 27	299.79	29	303.31		

Woodruff County

5N1W-27bbb1. Formerly 9. Charles Brenamen. Drilled irrigation artesian well in deposits of Quaternary age. Land-surface datum is 212.8 feet above msl. Highest water level 34.99, Apr. 9, 1936; lowest 41.17, May 1, 1950. Records available: 1936-44, 1946-51.

Apr. 9, 1936	34.99	May 6, 1940	37.75	May 8, 1944	38.47	May 4, 1949	40.99
May 7, 1937	35.35	May 7, 1941	37.05	Apr. 26, 1946	39.50	May 1, 1950	41.17
May 5, 1938	36.05	May 4, 1942	37.24	May 8, 1947	40.14	Apr. 23, 1951	41.14
May 9, 1939	36.42	Apr. 20, 1943	37.89	May 3, 1948	40.82		

8N3W-20dcd1. Formerly 11A. Conner Estate. Drilled irrigation artesian well in deposits of Quaternary age, depth 101 feet. Land-surface datum is 219 feet above msl. Highest water level 13.30, Apr. 23, 1951; lowest 19.50, May 4, 1942. Records available: 1942-44, 1946-51.

May 4, 1942	19.50	Apr. 26, 1946	16.90	May 3, 1948	17.87	May 1, 1950	13.73
Apr. 20, 1943	18.27	May 8, 1947	16.70	May 4, 1949	16.32	Apr. 23, 1951	13.30
May 8, 1944	18.88						



## LOUISIANA

By A. N. Turcan, Jr.

### Scope of Water-Level Program

The observation-well program in Louisiana, begun in 1938, was continued in 1951 in cooperation with the State Department of Conservation and the State Department of Public Works. Measurements were made in 367 wells, 44 of which were equipped with recording gages.

### Interpretation of Water-Level Fluctuations

**Northern Louisiana.**--Measurements of water levels in wells were continued in the Bastrop area in Morehouse Parish; near Monroe in Ouachita Parish; near Springhill in Webster Parish; and near Hodge in Jackson Parish. During 1951 there was little change in the water levels from previous years as the amount of water pumped from the area for industrial and municipal purposes has not changed materially. Records for well Ja-13 at Hodge continued to show the seasonal fluctuation of the water level which recovered to about 94 feet below the surface during January and declined during the fall to a low of 116 feet below the surface.

**Central Louisiana.**--During 1951 measurements of water levels were made in 13 wells in Natchitoches, Grant, LaSalle, Rapides, and Winn Parishes. In the Alexandria area, water levels in wells that tap the "1,100-foot" sand, the principal aquifer, showed a marked decline during the fall months and were at 142 feet below land surface, the lowest level recorded since 1948. (See fig. 6.) However, the decline was not so great as the all-time low of 165 feet in 1944. At Fishville, in Grant Parish, the water levels in wells screened in the sands of the Catahoula formation remained essentially the same as in 1950. The recorded pressure in well G-27 was about 3 feet above the surface in 1951. Water levels in wells in the vicinity of Natchitoches screened in sand of the Wilcox formation showed a gradual decline and the pressures reached a new low of about 12 feet above the surface.

**Southwestern Louisiana.**--Because of very dry weather in the rice-farming area of southwestern Louisiana during May, June, July, and August, more ground water was pumped for irrigation than had ever been recorded before. This caused the water levels in wells throughout the area of decline to reach maximum recorded lows as shown by the hydrographs for wells Ac-40 and JD-23 in areas of heavy pumping. (See fig. 7.) In 1951 the water levels in the "500-foot" and "700-foot" sands in the Lake Charles area were the lowest for the period of record. The decline was caused principally by pumping of ground water for industrial use, although pumping for rice irrigation and municipal supply contributed to the decline. Figure 8 shows the rate and magnitude of the decline of water levels in wells Cu-445 and Cu-446.

**Southeastern Louisiana.**--Measurements of water levels or artesian pressures were made in 60 wells during 1951. In addition, recording gages were operated on one well in Orleans Parish, two wells in St. Charles Parish, one in Washington Parish, and seven wells in East Baton Rouge Parish. Water levels in wells that tap the "A-1" and "A-2" sands in the Baton Rouge industrial area, commonly referred to as the "400-foot" and "600-foot" sands, failed to recover by about 22 feet to levels of the previous spring, as a result of continued heavy withdrawals for industrial purposes. The water level in well EB-312 continued to decline in 1951 to reach a recorded low of 22 feet below the land surface. The fluctuations of water levels in wells EB-312 and EB-315, which taps sands below a depth of 1,700 feet in the Baton Rouge area, are shown in figure 9. At New Orleans, water levels in wells 700 to 850 feet deep declined to a record low, about 101 feet below land-surface datum in 1951 as shown in figure 10. The water level in well Sc-6 at Norco in St. Charles Parish showed a marked recovery during the spring months to about 65 feet below land surface and had a net decline of only about 5 feet during the summer and fall months in 1951. (See fig. 11.)

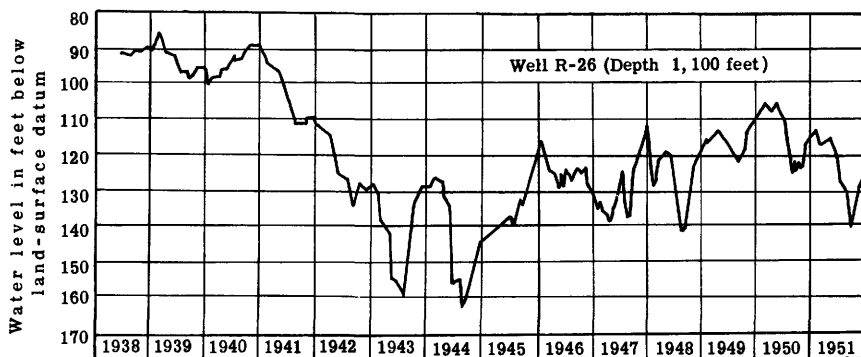


Figure 6.--Water level in well R-26, Alexandria, Louisiana, 1938-51.

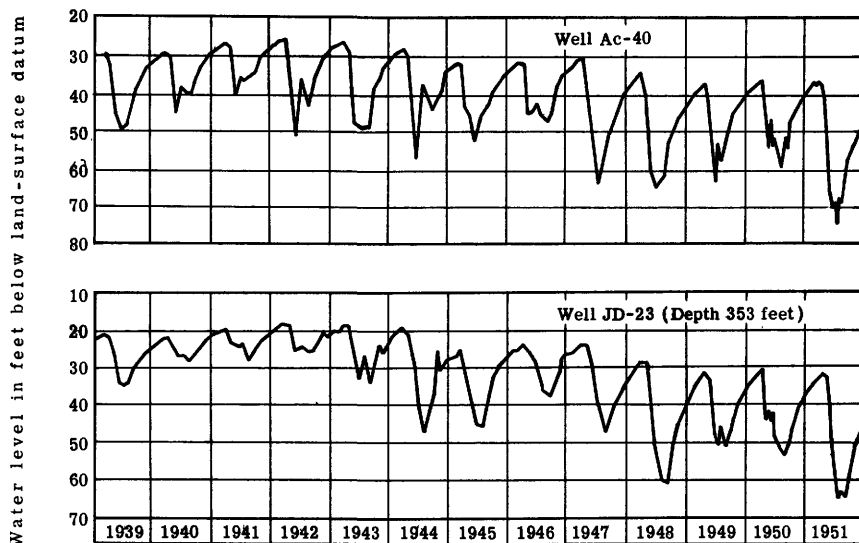


Figure 7.--Fluctuations of water level in wells Ac-40 and JD-23 caused by pumping wells in the rice-growing area of southwestern Louisiana, 1939-51.

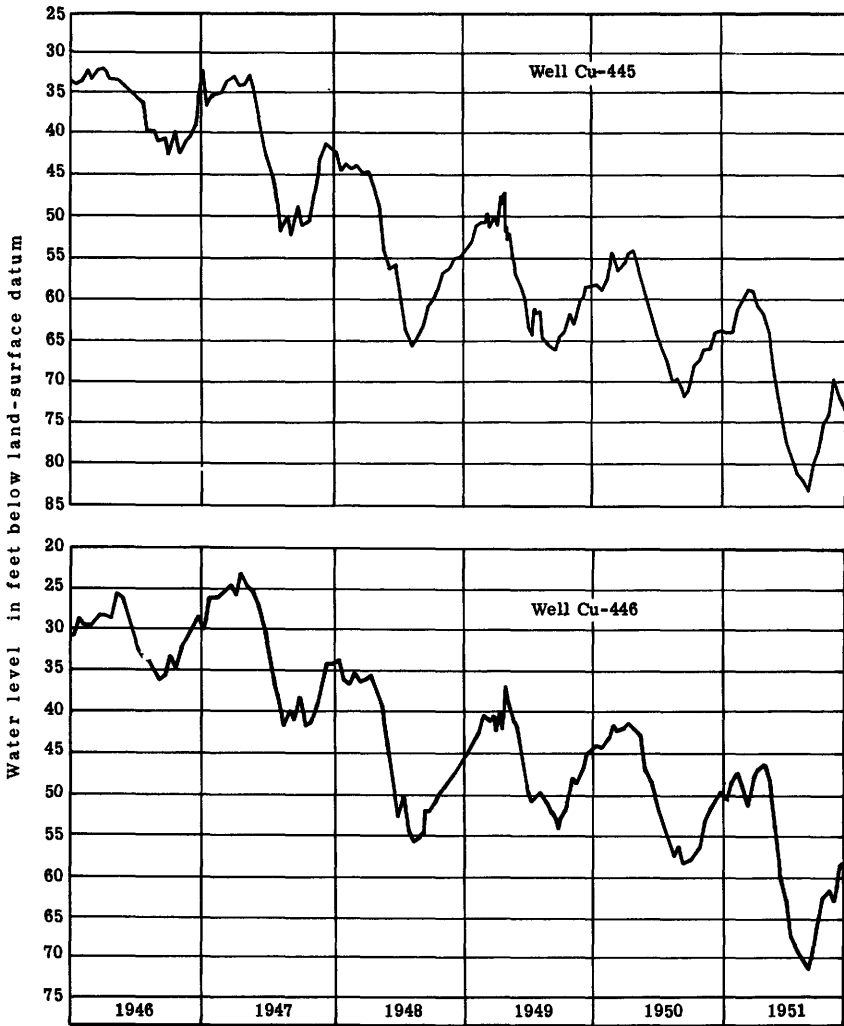


Figure 8. --Water levels in wells Cu-445 and Cu-446 in the Lake Charles, Louisiana industrial area, 1946-51.

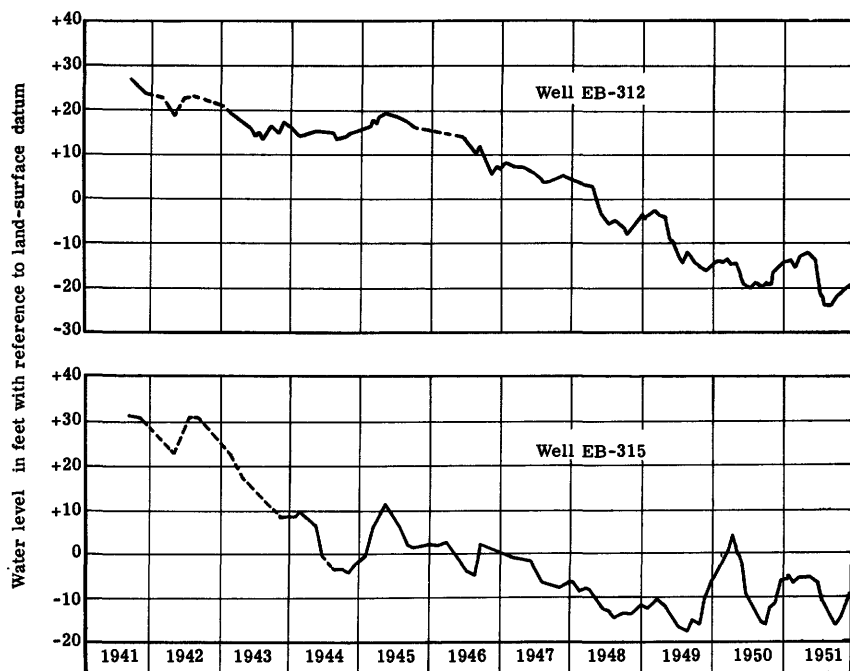


Figure 9. --Water levels in wells EB-312 and EB-315, Baton Rouge, Louisiana, 1941-51.

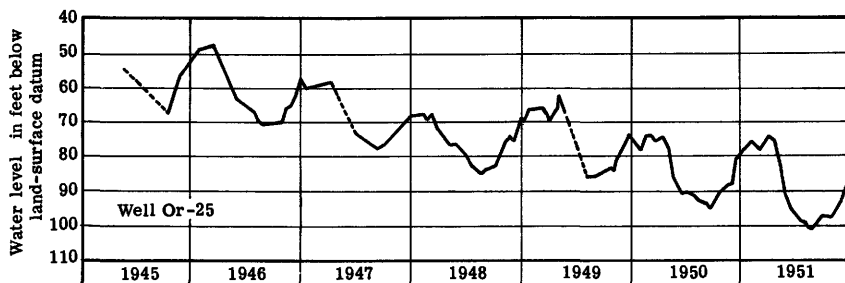


Figure 10. --Water level in well Or-25 showing the effect of pumping ground water in New Orleans, Louisiana, 1945-51.

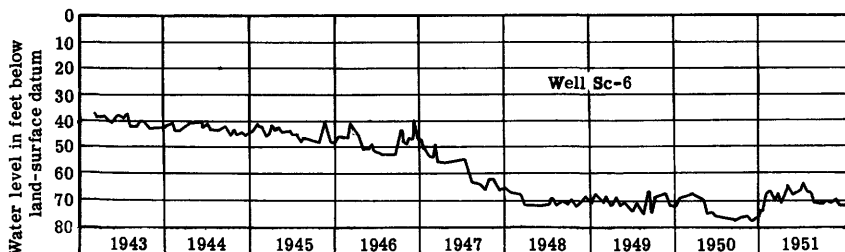


Figure 11. --Water level in well Sc-6, Norco, Louisiana, 1943-51.

## Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Acadia Parish

Ac-7. Lozen Leger. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 10 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 365 feet, screen at 300-360. Land-surface datum is 29.43 feet above msl. Highest water level 25.11 below lsd, Jan. 21, 1943; lowest 48.88 below lsd, Apr. 15, 1947. Records available: 1939-40, 1942-51. Mar. 6, 32.73; Sept. 18, 46.60.

Ac-22. Harry Frey. S $\frac{1}{2}$  sec. 19, T. 7 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet, screen at 240-300. Land-surface datum is 44.59 feet above msl. Highest water level 39.17 below lsd, Jan. 21, 1943; lowest 87.27 below lsd, July 31, 1951. Records available: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	53.24	Apr. 23	53.96	Aug. 21	84.38	Oct. 2	73.08
12	53.00	May 14	67.71	28	82.37	9	72.19
19	52.81	June 18	86.78	Sept. 5	80.55	16	71.24
26	52.61	July 31	87.27	11	78.54	24	70.27
Apr. 2	52.24	Aug. 7	85.24	18	76.48	30	69.36
16	53.36	14	86.82	25	74.71		

Ac-34. F. N. Hayes. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 7 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 323 feet, screen at 216-320. Land-surface datum is 43.28 feet above msl. Highest water level 38.44 below lsd, Jan. 21, 1943; lowest 69.29 below lsd, Sept. 17, 1951. Records available: 1939-48, 1950-51. Mar. 6, 50.57; Sept. 17, 69.29.

Ac-40. H. A. Kerr. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, T. 9 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 303 feet. Land-surface datum is 31.91 feet above msl. Highest water level 25.36 below lsd, Apr. 3, 1942; lowest 75.33 below lsd, July 21, 1951. Records available: 1939-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.5	38.9	37.9	36.8	....	66.4	69.8	67.5	64.8	55.7	51.9	49.3
2	40.4	38.0	37.9	36.8	....	66.8	68.3	67.0	....	55.5	51.8	49.2
3	40.3	38.9	37.9	....	42.4	65.3	69.4	66.4	....	55.3	51.7	49.1
4	40.3	38.9	37.8	....	43.2	64.9	69.3	65.9	....	55.1	51.6	49.0
5	40.3	38.8	37.8	....	44.4	65.9	69.2	65.3	....	55.0	53.6	48.9
6	40.2	38.7	37.8	....	44.8	....	69.5	67.0	....	54.9	51.4	48.8
7	40.1	38.8	37.7	....	45.9	....	69.9	67.8	....	54.8	51.3	48.8
8	40.1	38.7	37.7	....	....	....	69.4	68.5	....	54.7	51.3	48.7
9	40.1	38.7	37.6	....	51.4	....	68.9	68.9	....	54.6	51.2	48.5
10	40.0	38.7	37.6	37.0	52.8	68.0	68.9	69.1	....	54.5	51.1	48.5
11	40.0	38.6	37.6	37.4	51.3	67.7	69.4	69.3	....	54.4	51.0	48.5
12	39.9	38.5	37.5	37.3	51.7	68.6	70.5	....	....	54.3	50.8	48.4
13	39.9	38.5	37.5	37.4	51.4	69.1	71.0	67.9	....	54.2	50.7	48.3
14	39.8	38.5	37.5	37.4	51.2	69.7	71.4	68.1	....	54.1	50.5	48.1
15	39.8	38.4	37.5	37.4	53.3	70.0	70.9	68.3	....	53.9	50.5	48.2
16	39.8	38.4	37.4	37.4	54.4	70.3	70.8	68.0	....	53.8	50.4	48.2
17	39.7	38.3	37.4	37.6	55.1	69.9	71.8	68.1	....	53.6	50.4	48.2
18	39.6	38.3	37.3	37.8	55.5	69.4	74.5	67.8	....	53.6	50.4	48.4
19	39.6	38.2	37.3	37.9	56.1	69.9	75.0	....	....	53.4	50.3	48.4
20	39.6	38.2	37.3	37.9	55.7	70.1	75.2	....	....	53.3	50.2	48.2
21	39.6	38.2	37.2	38.0	55.7	70.3	75.3	....	....	53.2	50.1	48.2
22	39.5	38.2	37.2	38.1	56.8	71.0	74.8	67.1	....	53.1	50.0	48.2
23	39.4	38.2	37.2	38.2	59.2	71.5	74.6	67.0	....	52.8	49.9	48.1
24	39.4	38.2	37.2	38.5	60.8	68.3	74.8	65.2	....	52.8	49.8	48.0
25	39.4	38.2	37.2	39.2	61.5	70.9	74.9	....	56.5	52.7	49.8	....
26	39.4	38.0	37.1	39.8	62.7	72.0	74.0	....	56.5	52.6	49.7	....
27	39.3	38.0	36.9	40.5	60.2	72.8	73.6	....	56.3	52.5	49.6	....
28	39.2	38.0	36.8	40.8	60.0	73.5	72.9	65.2	56.2	52.4	51.5	47.3
29	39.2	....	36.8	40.6	61.3	72.3	68.4	65.3	56.0	52.2	49.5	47.2
30	39.0	....	36.9	40.9	64.1	....	68.4	65.2	55.9	53.8	49.4	47.1
31	38.9	....	36.9	....	65.5	....	70.0	65.1	....	52.1	....	47.0

Ac-56. Henry Bieber. NW $\frac{1}{4}$  sec. 36, T. 7 S., R. 1 E. Highest water level 43.34 below lsd, Jan. 21, 1943; lowest 76.87 below lsd, Sept. 13, 1949. Records available: 1939-50. Measurement discontinued.

Ac-104. Hanle Hartwell. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 9 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 300 feet. Land-surface datum is 36.36 feet above msl. Highest water level 26.66 below lsd, Feb. 6, 1947; lowest 58.08 below lsd, Sept. 11, 1946. Records available: 1939, 1944-51. Mar. 5, 41.62.

Ac-115. Jack Daigle. Formerly C. A. Savoy. SE $\frac{1}{4}$  sec. 77, T. 8 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 294 feet, screen at 218-290. Land-surface datum is 51.65 feet above msl. Highest water level 36.90 below lsd, Nov. 26, 1945; lowest 69.81 below lsd, July 8, 1948. Records available: 1944-51. Mar. 5, 54.90; Sept. 17, 68.67.

Ac-147. Ed Faulk. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T. 10 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 298 feet. Land-surface datum is 17.78 feet above msl. Highest water level 16.19 below lsd, Mar. 13, 1947; lowest 38.48 below lsd, July 9, 1948. Records available: 1939, 1944-51. Mar. 6, 21.42; Sept. 17, 37.28;

Ac-152. J. B. Broussard. Formerly L. W. Hoyt. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T. 11 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 276 feet, screen at 195-275. Land-surface datum is 15.50 feet above msl. Highest water level 13.21 below lsd, Apr. 13, 1944; lowest 45.38 below lsd, July 31, 1951. Records available: 1939, 1944-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7	19.97	July 31	45.38	Aug. 21	42.40	Sept. 11	39.13
July 9	43.41	Aug. 14	42.72	Sept. 5	40.19	17	37.92

Ac-165. Town of Rayne. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 9 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 298 feet. Highest water level 45.78 below lsd, Dec. 31, 1951; lowest 71.98 below lsd, July 20, 1951. Records available: 1951.

Daily noon water level from recorder graph \*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	64.0	....	62.5	60.2	53.3	50.0	48.2
2	....	64.0	....	62.4	60.2	53.0	50.3	48.1
3	....	64.5	....	61.5	59.6	52.8	49.9	47.6
4	46.4	....	....	61.4	59.3	53.0	49.6	48.0
5	46.5	64.5	....	60.6	....	52.8	49.9	47.4
6	47.7	64.8	....	60.6	58.7	53.1	49.6	47.9
7	48.4	64.2	....	61.2	59.0	52.6	50.0	47.3
8	50.0	64.8	....	....	59.1	52.7	49.9	47.7
9	51.9	64.9	....	60.7	58.5	52.5	49.8	47.1
10	53.6	63.2	....	61.3	58.0	52.6	49.8	47.5
11	53.6	62.0	....	61.4	58.0	52.5	49.6	47.5
12	54.3	62.8	....	60.9	57.7	52.4	49.0	47.5
13	53.3	64.9	....	60.9	57.3	....	49.3	46.9
14	52.9	65.6	....	61.7	57.0	....	49.3	47.2
15	53.8	65.1	....	61.6	56.8	....	49.2	47.1
16	54.8	65.7	....	61.9	56.4	....	48.8	47.3
17	55.7	64.3	69.7	63.0	55.6	52.2	48.9	46.9
18	56.4	64.5	....	63.1	55.3	51.5	48.7	47.0
19	56.8	65.7	....	62.5	55.3	52.0	46.6	47.0
20	56.4	66.0	71.5	62.0	55.2	51.5	48.5	....
21	55.8	66.7	71.4	61.8	55.4	51.4	48.6	....
22	57.6	67.4	....	61.6	54.9	51.4	48.2	47.1
23	59.2	68.1	69.9	61.9	54.5	51.0	48.2	....
24	60.4	....	69.9	62.3	54.9	51.4	48.6	....
25	61.2	....	69.4	62.4	55.5	50.8	48.2	46.8
26	61.1	68.4	69.0	61.3	....	50.7	48.0	....
27	61.1	....	68.5	61.1	54.3	50.6	48.5	....
28	60.5	....	66.5	61.1	54.2	50.9	47.9	46.1
29	61.6	69.2	64.7	60.6	54.1	50.8	47.9	46.0
30	62.8	....	63.8	60.9	53.4	50.7	48.4	45.9
31	63.0	....	63.1	60.8	....	50.4	....	46.2

\* No record for January, February, March, and April.

Ac-175. Leon P. Lapleau. North line sec. 46, T. 10 S., R. 2 W. Highest water level 8.28 below lsd, Jan. 22, 1943; lowest 37.04 below lsd, Sept. 9, 1948. Records available: 1939-50. Measurement discontinued.

Ac-179. F. N. Hayes. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 8 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 333 feet, screen at 245-329. Land-surface datum is 34.41 feet above msl. Highest water level 30.85 below lsd, Apr. 17, 1944; lowest 62.65 below lsd, Sept. 10, 1947. Records available: 1939-51. Mar. 5, 41.53; Sept. 18, 62.03.

Ac-188. Jules Baronet. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 10 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 350 feet. Land-surface datum is 22.97 feet above msl. Highest water level 19.91 below lsd, Apr. 12, 1944; lowest 46.82 below lsd, Aug. 7, 1947. Records available: 1944-51. Mar. 6, 27.91; Sept. 17, 46.08.

Ac-232. Sun Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 9 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 215 feet, screen at 195-215. Land-surface datum is 14.65 feet above msl. Highest water level 19.19 below lsd, Mar. 22, 1950; lowest 39.10 below lsd, Sept. 17, 1951. Records available: 1949-51. Mar. 6, 20.04; Sept. 17, 39.10.

Ac-235. Henry Lejeune. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 8 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 313 feet, screen at 250-310. Land-surface datum is 37.46 feet above msl. Highest water level 42.86 below lsd, Mar. 22, 1950; lowest 62.76 below lsd, Sept. 17, 1951. Records available: 1949-51. Mar. 6, 43.72; Sept. 17, 62.76.

Ac-239. Acadia Parish School. NE $\frac{1}{2}$  irregular sec. 12, T. 9 S., R. 2 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet. Land-surface datum is 21.85 feet above msl. Highest water level 27.46 below lsd, Mar. 22, 1950; lowest 47.24 below lsd, Sept. 17, 1951. Records available: 1949-51. Mar. 6, 29.00; Sept. 17, 47.24.

Ac-281. Sun Oil Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 49, T. 10 S., R. 2 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 225 feet. Land-surface datum is 11.59 feet above msl. Highest water level 17.29 below lsd, Mar. 19, 1951; lowest 36.46 below lsd, Sept. 17, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7	18.73	Apr. 10	17.76	May 14	21.59	Oct. 9	33.60
15	18.46	16	17.84	21	24.02	16	32.87
19	17.29	23	18.25	Sept. 17	36.46	24	31.81
26	18.15	May 2	19.11	24	35.30	30	31.50
Apr. 3	17.92	8	20.26	Oct. 2	34.24		

#### Allen Parish

A1-11. Onezie Vincent. SE $\frac{1}{4}$  sec. 8, T. 5 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 160 feet. Land-surface datum is 80.76 feet above msl. Highest water level 43.37 below lsd, July 9, 1948; lowest 60.33 below lsd, Aug. 21, 1951. Records available: 1944-51.

Mar. 6	53.61	Apr. 16	53.68	June 18	57.19	Sept. 19	56.79
12	53.71	23	53.79	July 31	58.45	Oct. 2	56.07
19	53.81	May 2	52.69	Aug. 21	60.33	9	56.42
26	53.64	28	59.15	28	58.17	16	56.07
Apr. 3	53.66	June 4	58.99	Sept. 5	57.82	24	56.14
10	53.40	11	57.75	11	57.18	29	55.80

A1-15. Ben Daigle. SW $\frac{1}{4}$  sec. 27, T. 5 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 200 feet. Land-surface datum is 72.03 feet above msl. Highest water level 50.20 below lsd, Apr. 12, 1944; lowest 59.68 below lsd, Sept. 19, 1951. Records available: 1944-51. Mar. 6, 57.58; Sept. 19, 59.68.

A1-16. O. Lejeune. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T. 5 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 250 feet. Land-surface datum is 68.00 feet above msl. Highest water level 37.69 below lsd, Apr. 12, 1944; lowest 44.61 below lsd, Aug. 30, 1940. Records available: 1940-51. Mar. 6, 41.77; Sept. 19, 43.08.

A1-18. W. J. Uncle. Formerly Kinder Canal Co. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 6 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 200 feet. Land-surface datum is 55.61 feet above msl. Highest water level 32.58 below lsd, Apr. 12, 1944; lowest 37.02 below lsd, Sept. 9, 1948. Records available: 1944-51. Mar. 6, 32.67; Sept. 19, 34.69.

Al-20. C. I. Kuntz. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, T. 7 S., R. 5 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 200 feet. Land-surface datum is 43.49 feet above msl. Highest water level 32.58 below lsd, Apr. 12, 1944; lowest 46.74 below lsd, Sept. 20, 1951. Records available: 1944-51. Mar. 6, 42.10; Sept. 20, 46.74.

Al-21. Frank Odom. NE $\frac{1}{4}$  sec. 28, T. 6 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 260 feet. Land-surface datum is 50.93 feet above msl. Highest water level 34.04 below lsd, Apr. 12, 1944; lowest 43.15 below lsd, June 9, 1949. Records available: 1944-51. Mar. 6, 37.00; Sept. 20, 39.33.

Al-22. Frank Odom. SW $\frac{1}{4}$  sec. 20, T. 6 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 280 feet. Land-surface datum is 48.18 feet above msl. Highest water level 30.65 below lsd, Apr. 25, 1947; lowest 38.82 below lsd, Sept. 20, 1951. Records available: 1944-51. Mar. 6, 36.51; Sept. 20, 38.82.

Al-25. R. R. McClelland. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 30, T. 6 S., R. 3 W. Drilled irrigation water-table well in sand of Pleistocene age, diameter 10 inches, depth 225 feet. Land-surface datum is 56.89 feet above msl. Highest water level 49.69 below lsd, May 12, 1947; lowest 61.87 below lsd, Sept. 25, 1951. Records available: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	57.69	Apr. 10	57.10	July 31	61.38	Oct. 2	61.47
12	57.69	16	57.24	Sept. 5	61.81	9	61.85
19	57.69	23	57.21	11	61.76	16	61.63
26	57.35	May 2	57.09	20	61.83	24	61.85
Apr. 3	57.34	July 2	60.51	25	61.87	29	61.55

Al-33. M. Carroll. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 35, T. 4 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 16 to 8 inches, depth 287 feet, screen at 190-284. Land-surface datum is 83.68 feet above msl. Highest water level 38.60 below lsd, May 3, 1947; lowest 45.96 below lsd, July 25, 1951. Records available: 1947-51.

Jan. 23	42.23	Apr. 16	41.98	July 31	45.39	Sept. 19	44.67
Feb. 20	41.92	23	42.05	Aug. 9	45.32	25	44.65
Mar. 6	42.07	May 2	42.03	15	45.49	Oct. 2	44.27
12	42.14	8	42.11	21	45.27	9	44.50
19	42.18	June 19	44.83	28	45.06	16	44.31
26	41.99	29	44.98	Sept. 5	44.84	24	44.40
Apr. 3	42.03	July 2	45.04	11	44.77	29	44.16
10	41.83	25	45.96				

Al-40. Industrial Lumber Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, T. 3 S., R. 3 W. Dug domestic water-table well in sand of Pleistocene age, size 4 $\frac{1}{2}$  feet by 4 $\frac{1}{2}$  feet, depth 16 feet. Highest water level 1.68 below lsd, Jan. 24, 1947; lowest 12.62 below lsd, Oct. 18, 1948. Records available: 1945, 1947-51. Jan. 24, 7.98; Feb. 21, 4.52; Apr. 24, 6.60; May 16, 7.99; Sept. 6, 12.28. Measurement discontinued.

Al-42. Oak Hill Church. NW $\frac{1}{4}$  sec. 20, T. 2 S., R. 3 W. Dug domestic water-table well in deposits of Pleistocene age, size 15 by 18 inches, depth 18 feet. Highest water level 3.89 below lsd, Mar. 13, 1947; lowest 15.27 below lsd, Oct. 18, 1948. Records available: 1945-51. Jan. 24, 12.38; Feb. 21, 8.83; Apr. 24, 10.44; May 16, 11.63; Sept. 6, 14.93. Measurement discontinued.

Al-43. S. P. McDaniel. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 32, T. 2 S., R. 4 W. Dug domestic water-table well in deposits of Pleistocene age, diameter 36 in., depth 35 feet. Highest water level 22.23 below lsd, Mar. 13, 1947; lowest 27.55 below lsd, Aug. 9, 1946. Records available: 1945-51. Jan. 24, 26.82; Feb. 21, 25.50; Apr. 24, 26.48; May 16, 26.64; Sept. 6, 27.39. Measurement discontinued.

Al-54. Kinder Canal Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 5 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 290 feet, screen at 210-290. Land-surface datum is 62.99 feet above msl. Highest water level 26.62 below lsd, Apr. 5, 1948; lowest 31.01 below lsd, Sept. 19, 1951. Records available: 1945, 1947-51. Mar. 6, 29.00; Sept. 19, 31.01.

Al-75. Olin McGee. NE $\frac{1}{4}$  sec. 34, T. 6 S., R. 5 W. Dug domestic water-table well in deposits of Pleistocene age, size 6 inches by 8 inches, depth 35 feet. Land-surface datum is 47.65 feet above msl. Highest water level 26.90 below lsd, June 14, 1946; lowest 36.57 below lsd, July 11, 1949. Records available: 1946-51. Jan. 23, 34.90; Feb. 20, 34.51; Mar. 29, 33.62; Apr. 24, 34.60. Measurement discontinued.

Al-84. Leon Manuel. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 4 S., R. 2 W. Dug domestic water-table well in deposits of Pleistocene age, diameter 36 inches, depth 36 feet. Highest water level 23.79 below lsd, July 18, 1950; lowest 27.48 below lsd, Mar. 10, 1949. Records available: 1945, 1948-51. Jan. 23, 25.82; Feb. 20, 26.13; Mar. 26, 26.35; Apr. 24, 26.36; May 16, 26.36. Measurement discontinued.



Al-87. D. S. Kingrey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 6 S., R. 5 W. Drilled domestic water-table well in deposits of Pleistocene age, diameter 6 inches, depth 40 feet. Highest water level 5.62 below lsd, Mar. 8, 1950; lowest 20.17 below lsd, Oct. 31, 1946. Records available: 1946-51. Jan. 23, 11.53; Feb. 20, 7.82; Mar. 29, 5.66; Apr. 23, 9.89. Measurement discontinued.

Al-88. Amos Ceaser. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 29, T. 6 S., R. 5 W. Drilled domestic water-table well in deposits of Pleistocene age, diameter 5 inches, depth 33 feet. Land-surface datum is 43.38 feet above msl. Highest water level 18.59 below lsd, Jan. 24, 1947; lowest 27.81 below lsd, Nov. 17, 1948. Jan. 23, 24.56; Feb. 20, 24.14; Mar. 29, 24.29; Apr. 23, 24.89. Records available: 1946-51. Measurement discontinued.

Al-91. J. M. Ritchie. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 6 S., R. 6 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 in., depth 29 feet. Highest water level 1.55 below lsd, Mar. 29, 1951; lowest 25.86 below lsd, Nov. 16, 1948. Records available: 1946-51. Jan. 23, 4.44; Feb. 20, 2.13; Mar. 29, 1.55; Apr. 23, 2.57. Measurement discontinued.

Al-92. J. A. Rohner. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 3 S., R. 3 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 1 $\frac{1}{2}$  inches, depth 31 feet. Highest water level 12.55 below lsd, Apr. 10, 1947; lowest 21.44 below lsd, Oct. 5, 1951. Records available: 1946-51. Jan. 23, 19.10; Feb. 20, 18.23; Nov. 29, 18.26; Apr. 24, 18.41; May 16, 18.83; Oct. 5, 21.44. Measurement discontinued.

Al-93. J. E. Hollingsworth. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 3 S., R. 3 W. Drilled observation water-table well in deposits of Pleistocene age, diameter 3 inches, depth 27 feet. Highest water level 11.22 below lsd, Apr. 10, 1947; lowest 19.11 below lsd, Oct. 5, 1951. Records available: 1946-51. Jan. 23, 17.40; Feb. 20, 16.93; Mar. 29, 16.86; Apr. 24, 16.85; May 16, 17.07; Oct. 5, 19.11. Measurement discontinued.

Al-95. C. Whitley. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 4 S., R. 3 W. Dug domestic water-table well in deposits of Pleistocene age, size 30 by 30 inches, depth 16 feet. Highest water level 5.98 below lsd, Mar. 2, 1948; lowest 16.35 below lsd, Jan. 27, 1947. Records available: 1946-51. Jan. 23, 13.57; Feb. 20, 12.64; Mar. 29, 12.23; Apr. 24, 11.70; May 16, 12.34; Oct. 5, 14.63. Measurement discontinued.

Al-96. C. McGee. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 4 S., R. 3 W. Dug domestic water-table well in deposits of Pleistocene age, size 27 by 27 inches, depth 34 feet. Highest water level 16.98 below lsd, June 27, 1946; lowest 28.90 below lsd, Nov. 17, 1948. Records available: 1946-51. Jan. 23, 26.99; Feb. 20, 26.12; Mar. 29, 25.70; Apr. 24, 26.14; Oct. 5, 28.16. Measurement discontinued.

Al-100. A. C. Easterling. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 4 S., R. 4 W. Dug domestic water-table well in deposits of Pleistocene age, diameter 30 inches, depth 29 feet. Highest water level 13.78 below lsd, Feb. 27, 1947; lowest 33.62 below lsd, Dec. 20, 1950. Records available: 1946-51. Jan. 23, 33.15; Feb. 20, 32.46; Mar. 29, 31.70; Apr. 24, 32.82. Measurement discontinued.

Al-103. Mrs. S. L. Carpenter. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, T. 5 S., R. 4 W. Dug domestic water-table well in deposits of Pleistocene age, diameter 6 inches, depth 28 feet. Land-surface datum is 69.75 feet above msl. Highest water level 20.77 below lsd, Aug. 22, 1946; lowest 24.76 below lsd, Jan. 16, 1950. Records available: 1946-51. Jan. 23, 23.65; Feb. 20, 23.64; Mar. 29, 23.75; Apr. 24, 23.65; Oct. 5, 24.68. Measurement discontinued.

Al-104. Louis Durio. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 32, T. 4 S., R. 4 W. Dug domestic water-table well in deposits of Pleistocene age, diameter 24 inches, depth 13 feet. Land-surface datum is 73.08 feet above msl. Highest water level 7.64 below lsd, Mar. 18, 1946; lowest 15.14 below lsd, Oct. 5, 1951. Records available: 1946-51. Jan. 23, 14.02; Feb. 20, 13.64; Mar. 29, 13.63; Apr. 24, 13.48; Oct. 5, 15.14. Measurement discontinued.

Al-117. Calcasieu Paper Co. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T. 2 S., R. 4 W. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 163 feet, screen at 90-160. Highest water level 74.44 below lsd, July 23, 1951; lowest 81.24 below lsd, Nov. 17, 1951. Records available: 1951.

Daily noon water level from recorder graph \*

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	79.9	80.3	80.4	80.7	80.8
2	....	79.9	80.4	80.3	80.8	80.7
3	....	79.9	80.5	80.4	80.8	80.8
4	....	80.0	80.5	80.5	80.7	80.8
5	....	80.1	....	80.6	80.6	80.8
6	....	80.1	80.6	80.5	80.8	80.8
7	....	80.1	80.5	80.7	80.7	81.0
8	....	....	80.5	80.7	80.9	80.9
9	....	80.1	80.5	80.6	80.8	81.2
10	....	80.3	80.6	80.5	80.8	81.1
11	....	80.3	80.5	80.6	80.8	80.9
12	....	80.3	80.5	80.6	80.5	80.7

Al-117--Continued.

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	....	80.3	80.5	80.6	80.4	80.8
14	....	80.3	80.6	....	80.6	80.7
15	....	80.3	80.6	....	80.5	81.5
16	....	80.3	80.6	....	81.0	81.3
17	....	80.3	....	80.5	81.2	81.0
18	....	80.5	....	80.6	81.0	80.8
19	....	80.4	80.5	80.6	80.8	80.6
20	....	80.4	80.5	80.4	80.7	80.3
21	75.8	80.4	80.5	80.4	80.6	80.8
22	75.6	80.4	80.4	80.5	80.6	81.2
23	75.5	80.4	80.5	80.6	80.7	81.1
24	77.8	80.4	80.5	80.7	80.7	81.1
25	78.4	80.4	80.5	80.7	80.8	77.6
26	....	80.4	80.4	80.6	80.8	75.3
27	....	80.3	80.5	80.5	80.9	76.7
28	....	80.4	80.7	80.6	80.9	77.4
29	....	80.3	80.6	80.5	81.0	78.6
30	....	80.3	80.4	80.6	80.9	79.7
31	79.8	80.3	....	80.5	....	79.7

\* No record for January, February, March, April, May, and June.

Al-124. Pierre Nevils. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 7 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 140 feet. Highest water level 21.24 below lsd, Mar. 2, 1948; lowest 28.88 below lsd, Sept. 9, 1948. Records available: 1947-51. Jan. 23, 25.52; Feb. 20, 24.72; Mar. 29, 25.06; Apr. 23, 25.14. Measurement discontinued.

Al-125. M. D. Hargrove. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 3 S., R. 3 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 150 feet. Highest water level 30.58 below lsd, Jan. 27, 1947; lowest 34.40 below lsd, Nov. 16, 1948. Records available: 1947-51. Jan. 23, 33.55; Feb. 20, 33.26; Mar. 26, 33.86; Apr. 24, 33.88; May 16, 33.91.

Al-135. Walker Brothers. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 33, T. 6 S., R. 6 W. Drilled irrigation well, diameter 10 inches, depth 240 feet. Highest water level 24.63 below lsd, Jan. 25, 1950; lowest 24.63 below lsd, Jan. 23, 1950. Records available: 1950. Measurement discontinued.

Al-136. Hanton Keathley. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 6 S., R. 6 W. Records available: 1948-50. Measurement discontinued.

Al-167. Calcasieu Paper Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T. 2 S., R. 4 W. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 156 feet, screen at 136-156. Highest water level 68.45 below lsd, Dec. 26, 1951; lowest 70.84 below lsd, Dec. 15, 1951. Records available: 1951.

Daily noon water level from recorder graph\*

Day	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	69.0	....	69.6	69.8	70.2	70.2
2	....	69.0	....	69.7	69.7	70.2	70.1
3	....	69.0	....	69.8	69.8	70.3	70.1
4	....	69.2	....	69.8	69.9	70.1	70.2
5	....	69.2	....	....	70.1	70.0	70.1
6	....	69.1	....	69.8	70.0	70.2	70.1
7	....	69.1	....	69.8	70.1	70.2	70.4
8	....	69.3	....	69.8	70.2	70.3	70.4
9	....	69.2	69.4	69.8	70.1	70.2	70.6
10	....	69.3	69.5	69.9	70.0	70.1	70.5
11	....	69.1	69.5	69.9	70.0	70.1	70.3
12	....	69.2	69.5	69.8	70.0	69.9	70.1
13	....	69.2	69.5	69.9	70.0	69.8	70.2
14	....	69.3	69.4	70.0	70.1	70.0	70.1
15	....	69.3	69.5	69.9	70.0	70.1	70.7
16	....	69.2	69.5	69.9	69.9	70.4	70.6
17	....	69.3	69.5	69.9	70.0	70.6	70.3
18	69.2	69.4	69.5	69.9	70.0	70.4	70.3
19	....	....	69.6	69.9	70.0	70.2	70.1
20	....	69.4	69.5	69.8	69.9	70.2	69.8
21	....	69.4	69.6	69.9	69.9	70.1	70.2
22	69.1	69.3	69.6	69.9	70.0	70.1	70.6
23	69.2	69.4	69.6	69.9	70.0	70.1	70.5
24	69.2	69.5	69.6	69.9	70.2	70.1	70.5
25	69.1	69.5	69.6	69.9	70.1	70.2	69.4

## Al-167--Continued.

Day	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
26	69.2	69.3	69.6	69.8	70.1	70.3	68.5
27	69.4	....	69.6	69.9	70.0	70.3	....
28	69.3	....	69.6	70.0	70.0	70.3	....
29	69.3	....	69.7	70.0	70.0	70.4	68.6
30	68.5	....	69.7	69.9	70.0	70.3	69.1
31	68.8	....	69.6	....	70.0	....	69.4

\* No record for January, February, March, April, and July.

Al-168. Calcasieu Paper Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 2 S., R. 4 W. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 156 feet, screen at 135-156. Highest water level 59.17 below lsd, July 20, 1951; lowest 61.98 below lsd, Dec. 15, 1951. Records available: 1951.

## Daily noon water level from recorder graph\*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	60.3	....	60.4	60.9	61.0	61.4	61.5
2	....	60.3	....	60.4	61.0	61.0	61.5	61.4
3	....	60.3	....	60.4	61.0	61.1	61.4	61.4
4	....	60.5	....	60.4	61.1	61.2	61.4	61.5
5	....	60.5	....	60.6	....	61.3	61.3	61.5
6	....	60.4	....	60.6	60.9	61.3	61.5	61.5
7	....	60.4	....	60.6	60.9	61.4	61.5	61.7
8	....	60.5	....	....	60.9	61.4	61.5	61.6
9	....	60.6	....	60.6	60.9	61.3	61.4	61.9
10	....	60.5	....	60.7	60.9	61.2	61.4	61.7
11	....	60.5	....	60.7	61.0	61.2	61.4	61.6
12	....	60.5	....	60.7	61.0	61.3	61.3	61.5
13	....	60.6	....	60.7	61.0	61.3	61.2	61.5
14	....	60.6	....	60.7	61.1	61.3	61.4	61.4
15	....	60.5	....	60.7	61.1	61.2	61.3	62.0
16	....	60.5	....	60.7	61.0	61.2	61.7	61.8
17	....	60.5	....	60.7	61.0	61.3	61.8	61.4
18	....	60.6	....	60.8	61.0	61.3	61.5	61.5
19	....	60.5	....	60.8	61.1	61.3	61.4	61.4
20	....	60.6	....	60.8	61.1	61.2	61.4	61.1
21	....	60.6	59.3	60.8	61.2	61.2	61.4	61.8
22	....	60.6	59.3	60.8	61.1	61.3	61.4	61.8
23	....	60.6	59.2	60.9	61.2	61.3	61.4	61.7
24	60.5	60.7	59.4	60.8	61.1	61.4	61.4	61.7
25	60.4	60.7	59.6	60.8	61.2	61.4	61.5	60.8
26	60.5	60.6	59.6	60.8	61.1	61.3	61.5	60.6
27	60.7	....	59.7	60.8	61.2	61.2	61.5	60.4
28	60.6	....	59.8	60.9	61.3	61.3	61.6	60.1
29	60.6	....	59.9	60.9	61.2	61.3	61.6	60.2
30	60.2	....	60.0	60.9	61.1	61.4	61.6	60.6
31	60.3	....	60.1	60.9	....	61.3	....	60.7

\* No record for January, February, March, and April.

## Beauregard Parish

Be-2. Southern Pacific Railroad. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 6 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 276 feet. Land-surface datum is 83.83 feet above msl. Highest water level 41.54 below lsd, Apr. 27, 1944; lowest 52.8 below lsd, Aug. 13, 1951. Records available: 1943-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.9	47.9	47.5	47.5	47.4	49.8	51.4	52.4	52.2	50.8	50.5	50.3
2	47.8	48.0	47.5	47.5	47.5	49.9	51.4	52.4	52.2	50.7	50.6	50.3
3	47.8	47.9	47.5	47.6	47.5	50.0	51.4	52.4	52.2	50.7	50.5	50.3
4	47.9	47.8	47.5	47.6	47.5	50.1	51.4	52.4	52.2	50.7	50.4	50.2
5	47.9	47.7	47.5	47.5	47.5	50.2	51.4	52.4	52.2	50.8	50.3	50.2
6	47.9	47.6	47.5	47.4	47.5	50.2	51.4	52.4	52.1	50.8	50.4	50.2
7	48.0	47.8	47.6	47.3	47.6	50.3	51.3	52.3	52.0	50.8	50.4	50.3
8	48.0	47.8	47.6	47.4	47.6	50.4	51.3	52.4	52.0	50.8	50.4	50.3
9	47.9	47.7	47.6	47.4	47.5	50.5	51.3	52.5	51.9	50.8	50.4	50.4
10	47.8	47.7	47.6	47.4	47.5	50.6	51.4	52.6	51.7	50.7	50.4	50.4
11	47.9	47.7	47.5	47.5	47.6	50.6	51.6	52.7	....	50.7	50.4	50.3
12	47.8	47.6	47.6	47.6	47.7	50.7	51.8	52.7	....	50.7	50.3	50.2

Be-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	47.7	47.6	47.6	47.6	47.8	50.8	52.0	52.8	....	50.7	50.3	50.2
14	47.7	47.7	47.6	47.5	47.9	50.9	52.1	52.7	....	50.7	50.3	50.1
15	47.8	47.6	47.6	47.5	48.0	50.9	52.2	52.7	....	50.6	50.3	50.4
16	47.9	47.7	47.5	47.5	48.1	51.1	52.2	52.7	....	50.6	50.4	50.4
17	47.8	47.7	47.4	47.6	48.1	51.2	52.3	52.7	....	50.6	50.6	50.2
18	47.7	47.6	47.5	47.5	48.2	51.4	52.4	52.7	....	50.6	50.6	50.1
19	47.8	47.5	47.6	47.4	48.3	51.5	52.4	52.7	....	50.6	50.5	50.1
20	47.8	47.5	47.7	47.5	48.3	51.5	52.4	52.6	....	50.6	50.4	50.0
21	48.0	47.6	47.6	47.5	48.4	51.4	52.4	52.6	51.1	50.6	50.4	50.2
22	47.9	47.6	47.6	47.5	48.6	51.4	52.5	52.6	51.0	50.6	50.4	50.3
23	47.8	47.6	47.5	47.6	48.7	51.3	52.5	52.6	51.0	60.5	50.3	50.2
24	47.9	47.6	47.6	47.6	48.8	51.2	52.5	52.6	51.0	50.6	50.3	50.2
25	47.9	47.5	47.6	47.5	48.9	51.1	52.5	52.5	51.0	50.6	50.3	50.1
26	47.9	47.5	47.6	47.5	49.0	51.1	52.6	52.5	50.9	50.6	50.4	50.2
27	47.8	47.5	47.4	47.5	49.2	51.1	52.7	52.4	50.9	50.5	50.3	50.3
28	47.8	47.5	47.3	47.5	49.2	51.2	52.7	52.4	50.9	50.5	50.4	50.1
29	47.9		47.4	47.5	49.4	51.3	52.6	52.3	50.9	50.5	50.4	50.0
30	47.8		47.5	47.4	49.6	51.4	52.5	52.3	50.9	50.5	50.4	50.0
31	47.7		47.5		49.7		52.5	52.3		50.4		50.1

Be-29. Travis Hamilton. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 4 S., R. 6 W. Dug domestic water-table well in sand of Pleistocene age, diameter 39 inches, depth 39 feet. Land-surface datum is 129.86 feet above msl. Highest water level 38.46 below lsd, June 11, 1949; lowest 43.07 below lsd, June 15, 1951. Records available: 1948-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	41.88	Mar. 31	41.83	May 5	42.43	Aug. 23	42.69
Feb. 21	41.66	Apr. 25	41.79	June 15	43.07	Oct. 12	43.07

Be-31. B. H. Harper. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 18 feet. Highest water level 11.91 below lsd, Feb. 21, 1951; lowest 32.60 below lsd, June 15, 1951. Records available: 1950-51. Jan. 24, 12.98; Feb. 21, 11.91; Mar. 31, 12.30; Apr. 25, 12.74; June 15, 32.60; Aug. 23, 14.32; Oct. 12, 14.58.

Be-32. J. A. Harper. S $\frac{1}{2}$ SE $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 29 feet. Land-surface datum is 99.93 feet above msl. Highest water level 21.34 below lsd, Apr. 19, 1949; lowest 29.28 below lsd, June 15, 1951. Records available: 1948-51. Jan. 24, 25.74; Feb. 21, 24.55; Mar. 31, 24.93; Apr. 25, 25.73; June 15, 29.28; Aug. 23, 27.28; Oct. 12, 27.16.

Be-33. C. A. Tramel. Center of sec. 23, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 43 feet. Land-surface datum is 105.18 feet above msl. Highest water level 34.80 below lsd, Apr. 19, 1949; lowest 41.77 below lsd, Oct. 18, 1951. Records available: 1948-51. Jan. 24, 39.49; Feb. 21, 39.06; Mar. 31, 39.14; Apr. 25, 39.66; June 15, 40.58; Aug. 23, 41.30; Oct. 18, 41.77.

Be-34. Cecil Jones. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 42 inches, depth 29 feet. Land-surface datum is 101.72 feet above msl. Highest water level 22.49 below lsd, Apr. 19, 1949; lowest 29.41 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 24, 27.66; Feb. 21, 26.97; Mar. 31, 27.34. Measurement discontinued.

Be-35. Gus Cole. N $\frac{1}{2}$ SE $\frac{1}{4}$  sec. 16, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 54 feet. Land-surface datum is 128.06 feet above msl. Highest water level 41.60 below lsd, July 13, 1949; lowest 45.75 below lsd, Oct. 18, 1951. Records available: 1948-51. Jan. 24, 43.49; Feb. 21, 43.89; Mar. 31, 44.04; Apr. 25, 44.39; June 15, 44.82; Aug. 23, 45.15; Oct. 18, 45.75.

Be-36. O. Moses. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 40 feet. Land-surface datum is 143.67 feet above msl. Highest water level 33.51 below lsd, Jan. 24, 1951; lowest 36.94 below lsd, Oct. 17, 1951. Records available: 1948-51.

Jan. 24	33.51	Mar. 31	34.03	May 22	34.35	Aug. 23	35.85
Feb. 22	33.84	Apr. 25	34.17	June 15	34.68	Oct. 17	36.94

Be-37. W. B. Welborn. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, T. 3 S., R. 8 W. Dug unused water-table well in sand of Pleistocene age, diameter 33 inches, depth 27 feet. Land-surface datum is 153.78 feet above msl. Highest water level 18.5 below lsd, June 9, 1950; lowest 26.1 below lsd, Nov. 7-Dec. 29, 1951. Records available: 1948-51.

## Be-37--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.1	24.5	24.4	23.9	23.4	23.6	24.3	24.8	25.4	25.8	26.0	26.1
2	24.1	24.5	24.3	23.9	23.4	23.7	24.3	24.8	25.4	25.8	26.0	26.1
3	24.1	24.5	24.3	23.9	23.4	23.7	24.3	24.9	25.4	25.8	26.0	26.1
4	24.2	24.5	24.3	23.9	23.3	23.7	24.3	24.9	25.4	25.8	26.0	26.1
5	24.2	24.5	24.3	23.8	23.3	23.7	24.3	24.9	25.4	25.8	26.0	26.1
6	24.2	24.5	24.3	23.8	23.3	23.8	24.4	24.9	25.5	25.8	26.0	26.1
7	24.2	24.5	24.2	23.8	23.3	23.8	24.4	24.9	25.5	25.8	26.1	26.1
8	24.2	24.5	24.2	23.8	23.3	23.8	24.4	24.9	25.5	25.8	26.1	26.1
9	24.3	24.5	24.2	23.8	23.3	23.8	24.4	24.9	25.5	25.8	26.1	26.1
10	24.3	24.5	24.2	23.8	23.3	23.8	24.4	25.0	25.5	25.8	26.1	26.1
11	24.3	24.5	24.2	23.8	23.3	23.9	24.4	25.0	25.5	25.8	26.1	26.1
12	24.3	24.6	24.1	23.7	23.3	23.9	24.5	25.0	25.6	25.8	26.1	26.1
13	24.3	24.6	24.1	23.7	23.3	23.9	24.5	25.0	25.6	25.9	26.1	26.1
14	24.3	24.6	24.1	23.7	23.3	23.9	24.5	25.0	25.6	25.9	26.1	26.1
15	24.3	24.6	24.1	23.6	23.3	23.9	24.5	25.0	25.6	25.9	26.1	26.1
16	24.3	24.6	24.0	23.6	23.4	24.0	24.5	25.1	25.6	25.9	26.1	26.1
17	24.4	24.6	24.0	23.6	23.4	24.0	24.6	25.1	25.6	25.9	26.1	26.1
18	24.4	24.5	24.0	23.6	23.4	24.0	24.6	25.1	25.6	25.9	26.1	26.1
19	24.4	24.5	24.0	23.5	23.4	24.0	24.6	25.1	25.6	25.9	26.1	26.1
20	24.4	24.5	24.0	23.5	23.4	24.0	24.6	25.1	25.7	25.9	26.1	26.1
21	24.4	24.5	24.0	23.5	23.4	24.1	24.6	25.2	25.7	25.9	26.1	26.1
22	24.4	24.5	24.0	23.5	23.4	24.1	24.6	25.2	25.7	25.9	26.1	26.1
23	24.4	24.5	23.9	23.5	23.4	24.1	24.7	25.2	25.7	25.9	26.1	26.1
24	24.4	24.5	23.9	23.5	23.4	24.1	24.7	25.2	25.7	25.9	26.1	26.1
25	24.4	24.4	23.9	23.4	23.5	24.2	24.7	25.2	25.7	25.9	26.1	26.1
26	24.4	24.4	23.9	23.4	23.5	24.2	24.7	25.2	25.7	25.9	26.1	26.1
27	24.4	24.4	23.9	23.4	23.5	24.2	24.7	25.3	25.8	26.0	26.1	26.1
28	24.4	24.4	23.9	23.4	23.5	24.2	24.8	25.3	25.8	26.0	26.1	26.1
29	24.4		23.9	23.4	23.6	24.2	24.8	25.3	25.8	26.0	26.1	26.1
30	24.4		23.9	23.4	23.6	24.3	24.8	25.3	25.8	26.0	26.1	26.0
31	24.5		23.9		23.6		24.8	25.3		26.0		26.0

Be-39. Odis Hester. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 15 feet. Land-surface datum is 121.09 feet above msl. Highest water level 3.73 below lsd, May 12, 1949; lowest 9.40 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 24, 6.53; Feb. 22, 6.24; Mar. 31, 5.70; Apr. 25, 6.83; Aug. 24, 8.75; Oct. 17, 8.74.

Be-40. W. H. Downs. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T. 3 S., R. 8 W. Highest water level 15.12 below lsd, Apr. 8, 1948; lowest 18.04 below lsd, Oct. 18, 1948. Records available: 1948, 1950. Measurement discontinued.

Be-40A. W. H. Downs. S $\frac{1}{2}$ NW $\frac{1}{4}$  sec. 29, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 28 feet. Highest water level 15.23 below lsd, Apr. 25, 1951; lowest 19.38 below lsd, Aug. 24, 1951. Records available: 1950-51. Jan. 24, 15.60; Feb. 22, 16.89; Mar. 31, 14.68; Apr. 25, 15.23; June 15, 21.19; Aug. 24, 19.38; Oct. 17, 18.31. Measurement discontinued.

Be-41. Burkitt Shirley. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, T. 3 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 24 inches, depth 18 feet. Land-surface datum is 138.60 feet above msl. Highest water level 2.14 below lsd, Feb. 15, 1949; lowest 14.66 below lsd, Aug. 24, 1951. Records available: 1948-51. Jan. 24, 7.29; Feb. 22, 6.27; Mar. 31, 5.64; Apr. 25, 6.72; June 14, 10.31; Aug. 24, 14.66; Oct. 10, 7.46.

Be-42. Paul Stille. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 3 S., R. 9 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 23 feet. Land-surface datum is 157.09 feet above msl. Highest water level 5.45 below lsd, Mar. 9, 1950; lowest 16.13 below lsd, Nov. 11, 1948. Records available: 1948-51. Jan. 24, 10.09; Feb. 22, 9.15; Mar. 31, 8.15; Apr. 25, 9.88; June 15, 12.55; Aug. 24, 14.18; Oct. 10, 8.64.

Be-44. H. B. Thigpen. N $\frac{1}{2}$ SW $\frac{1}{4}$  sec. 10, T. 3 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 25 feet. Land-surface datum is 176.80 feet above msl. Highest water level 13.82 below lsd, Mar. 9, 1950; lowest 24.77 below lsd, Sept. 16, 1948. Records available: 1948-51. Jan. 25, 22.32; Feb. 22, 22.96; Mar. 31, 22.46; June 14, 22.05; Aug. 24, 23.57; Oct. 10, 22.88.

Be-46. Edward Unrech.  $S\frac{1}{2}$  sec. 22, T. 2 S., R. 9 W. Drilled unused water-table well, in sand of Pleistocene age, diameter 8 inches, depth 27 feet. Land-surface datum is 205.71 feet above msl. Highest water level 9.69 below lsd, June 16, 1949; lowest 21.59 below lsd, Nov. 16, 1948. Records available: 1948-51. Jan. 25, 19.00; Feb. 22, 17.28; Mar. 31, 14.14; Apr. 25, 18.52; June 14, 19.39; Aug. 24, 20.52. Oct. 10, 20.94.

Be-47. Ohros Cooley.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 8, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 18 feet. Land-surface datum is 189.44 feet above msl. Highest water level 4.51 below lsd, Apr. 20, 1950; lowest 17.75 below lsd, Sept. 16, 1948. Records available: 1948-51. Jan. 24, 14.52; Feb. 22, 12.71; Mar. 31, 10.29; Apr. 25, 12.59; June 14, 13.51; Aug. 24, 15.84; Oct. 11, 13.78.

Be-48. M. Simmons. Formerly Garnet S. Bailey.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 5, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 40 to 12 inches, depth 17 feet. Land-surface datum is 189.57 feet above msl. Highest water level 3.52 below lsd, Jan. 18, 1950; lowest 16.76 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 24, 14.16; Feb. 22, 13.30; Mar. 31, 12.22; Apr. 25, 13.48; June 14, 15.18; Aug. 24, 16.35; Oct. 11, 14.48.

Be-50. Shady Grove Church.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 14, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 51 feet. Land-surface datum is 164.65 feet above msl. Highest water level 38.63 below lsd, June 16, 1949; lowest 42.99 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 24, 41.30; Feb. 21, 41.01; Mar. 31, 40.84; Apr. 25, 41.06; June 14, 41.82; Aug. 24, 42.29; Oct. 11, 42.21.

Be-51. Allen Wagley.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 22 feet. Land-surface datum is 133.82 feet above msl. Highest water level 5.79 below lsd, June 14, 1950; lowest 10.79 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 24, 8.11; Feb. 22, 8.07; Mar. 31, 7.80; Apr. 25, 8.66; June 14, 9.33; Aug. 16, 9.98; Oct. 11, 10.35.

Be-53. Luther Ford.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 3, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 20 feet. Land-surface datum is 106.38 feet above msl. Highest water level 8.34 below lsd, Mar. 9, 1950; lowest 19.34 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 24, 15.76; Feb. 21, 13.73; Apr. 25, 15.23; June 15, 16.77; Aug. 23, 17.89; Oct. 17, 18.47.

Be-54. A. J. Lanman.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 20, T. 3 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 5 feet, depth 23 feet. Land-surface datum is 131.01 feet above msl. Highest water level 10.27 below lsd, June 14, 1950; lowest 18.84 below lsd, Oct. 17, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	15.99	Mar. 31	15.84	May 23	16.85	Aug. 17	18.08
Feb. 22	15.67	Apr. 25	16.19	June 15	17.23	Oct. 17	18.84

Be-56. Harris Everts.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 28, T. 2 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 43 feet. Land-surface datum is 207.86 feet above msl. Highest water level 29.62 below lsd, Dec. 21, 1949; lowest 37.52 below lsd, Dec. 28, 1948. Records available: 1948-51. Jan. 25, 34.60; Feb. 22, 34.90; Mar. 31, 31.27; Apr. 25, 33.87; June 14, 36.53; Aug. 16, 34.82; Oct. 10, 33.66.

Be-57. W. Wilson.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 25, T. 2 S., R. 8 W. Highest water level 1.20 below lsd, Jan. 18, 1950; lowest 15.88 below lsd, Nov. 15, 1948. Records available: 1948-50. No measurement made in 1951.

Be-58. J. D. Lambert.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 25, T. 2 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 32 inches, depth 20 feet. Land-surface datum is 160.79 feet above msl. Highest water level 14.29 below lsd, June 14, 1950; lowest 20.27 below lsd, Nov. 15, 1948. Records available: 1948-51. Jan. 25, 18.33; Feb. 22, 17.89; Mar. 31, 17.48; Apr. 25, 17.84; June 14, 18.80; Aug. 16, 19.76; Oct. 10, 18.97.

Be-59. A. Robertson.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 26, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 41 feet. Land-surface datum is 101.16 feet above msl. Highest water level 30.31 below lsd, Apr. 19, 1949; lowest 36.62 below lsd, Oct. 12, 1951. Records available: 1948-51. Jan. 24, 34.95; Feb. 21, 34.38; Mar. 31, 34.66; Apr. 25, 35.40; June 15, 35.50; Aug. 24, 36.18; Oct. 12, 36.62.

Be-60. C. W. James. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 33 inches, depth 39 feet. Land-surface datum is 181.08 feet above msl. Highest water level 32.84 below lsd, July 19, 1950; lowest 39.37 below lsd, Aug. 17, 1948. Records available: 1948-51. Jan. 24, 36.04; Feb. 22, 36.21; Mar. 31, 36.37; Apr. 25, 36.41; June 14, 36.84; Aug. 16, 37.44; Oct. 11, 37.75.

Be-74. Whitney Giraud. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, T. 7 S., R. 9 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 16 to 10 inches, depth 363 feet, screen at 280-360. Land-surface datum is 82.05 above msl. Highest water level 50.12 below lsd, Apr. 29, 1949; lowest 63.06 below lsd, Sept. 20, 1951. Records available: 1949-51. Mar. 7, 57.21; Sept. 20, 63.06.

Be-90. Mrs. Ella Green. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 33, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 23 feet. Highest water level 18.80 below lsd, Oct. 5, 1950; lowest 22.10 below lsd, Oct. 12, 1951. Jan. 24, 19.93; Feb. 21, 19.52; Apr. 26, 19.75; June 15, 20.69; Aug. 24, 20.96; Oct. 12, 22.10. Records available: 1950-51. Measurement discontinued.

Be-91. Jake Mercer. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 35 feet. Highest water level 25.67 below lsd, Oct. 5, 1950; lowest 34.46 below lsd, Oct. 12, 1951. Records available: 1950-51. Jan. 24, 28.46; Feb. 21, 28.99; Apr. 26, 30.79; June 15, 30.67; Aug. 24, 31.67; Oct. 12, 34.46.

Be-92. Gus Green. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 28, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 90 feet. Highest water level 47.97 below lsd, Oct. 5, 1950; lowest 53.68 below lsd, Oct. 12, 1951. Records available: 1950-51. Jan. 24, 49.97; Feb. 22, 51.31; Apr. 26, 50.94; June 15, 51.31; Aug. 24, 52.90; Oct. 12, 53.68.

Be-93. Sam H. Green. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 57 feet. Highest water level 44.77 below lsd, Oct. 5, 1950; lowest 48.65 below lsd, Oct. 12, 1951. Records available: 1950-51. Jan. 24, 46.16; Feb. 21, 46.48; Apr. 26, 47.10; June 15, 47.49; Aug. 24, 48.15; Oct. 12, 48.65.

Be-94. W. M. Taylor. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 63 feet. Highest water level 52.63 below lsd, Oct. 5, 1950; lowest 56.03 below lsd, Oct. 12, 1951. Records available: 1950-51. Jan. 24, 53.81; Feb. 21, 53.93; Apr. 26, 57.01; June 15, 54.73; Aug. 24, 54.71; Oct. 12, 56.03.

Be-95. Nels Nelson. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 33 feet. Highest water level 22.92 below lsd, Feb. 21, 1951; lowest 28.80 below lsd, Nov. 15, 1950. Records available: 1950-51. Jan. 24, 26.17; Feb. 21, 22.92; Apr. 26, 24.82; June 15, 26.04; Aug. 24, 27.97; Oct. 12, 28.29.

Be-96. Henry A. Farris. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 65 feet. Highest water level 48.88 below lsd, Oct. 5, 1950; lowest 51.65 below lsd, Oct. 12, 1951. Records available: 1950-51. Jan. 24, 49.71; Feb. 21, 49.90; Apr. 26, 50.33; June 15, 50.73; Aug. 24, 51.63; Oct. 12, 51.65.

Be-97. Henry A. Farris. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 19 feet. Highest water level 15.00 below lsd, Oct. 5, 1950; lowest 19.19 below lsd, Oct. 12, 1951. Records available: 1950-51. Jan. 24, 16.98; Feb. 21, 16.10; Apr. 26, 16.43; June 15, 17.70; Aug. 24, 18.26; Oct. 12, 19.19.

Be-100. Mrs. Della Willis. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, T. 4 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 40 feet. Highest water level 24.00 below lsd, Nov. 15, 1950; lowest 27.38 below lsd, Oct. 12, 1951. Records available: 1950-51. Nov. 15, 1950; 24.00; Jan. 24, 1951, 25.48; Feb. 22, 25.64; Apr. 26, 26.17; June 15, 25.12; Aug. 22, 26.81; Oct. 12, 27.38.

Be-101. J. H. Materne. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 19 feet. Highest water level 1.66 below lsd, Feb. 22, 1951; lowest 16.50 below lsd, Aug. 22, 1951. Records available: 1950-51. Nov. 15, 1950, 15.40; Jan. 24, 1951, 4.92; Feb. 22, 1.66; Apr. 26, 14.78; May 22, 14.43; June 15, 13.92; Aug. 22, 16.50; Oct. 12, 13.51.

Be-102. T. Chelette. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in deposits of Pleistocene age, diameter 8 inches, depth 42 feet. Land-surface datum is 129.70 feet above msl. Highest water level 28.9 below lsd, May 25-27, 1951; lowest 30.9 below lsd, Dec. 1-8, 1951. Records available: 1951.

Be-102--Continued.

Daily noon water level from recorder graph\*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	29.1	29.6	30.0	30.5	30.0	30.7	30.9
2	....	29.1	29.6	30.0	30.6	30.0	30.7	30.9
3	....	29.1	29.6	30.0	30.6	30.1	30.7	30.9
4	....	29.1	29.6	30.0	30.6	30.2	30.7	30.9
5	....	29.1	29.6	30.0	30.6	30.2	30.7	30.9
6	....	29.1	29.6	30.1	30.6	30.3	30.7	30.9
7	....	29.2	29.6	30.1	30.6	30.3	30.7	30.9
8	....	29.2	29.6	30.1	30.6	30.4	30.7	30.9
9	....	29.2	29.7	30.1	30.6	30.4	30.7	30.6
10	....	29.2	29.7	30.2	30.5	30.4	30.7	30.4
11	....	29.2	29.7	30.2	30.5	30.4	30.7	30.3
12	....	29.3	29.7	30.2	30.5	30.5	30.7	30.2
13	....	29.3	29.8	30.2	30.4	30.5	30.7	30.2
14	....	29.3	29.7	30.3	30.2	30.5	30.7	30.1
15	....	29.3	29.7	30.3	30.2	30.5	30.8	30.0
16	....	29.3	29.8	30.3	30.2	30.5	30.8	29.8
17	....	29.3	29.8	30.3	30.2	30.5	....	29.7
18	....	29.4	29.8	30.3	30.3	30.6	....	29.6
19	....	29.4	29.8	30.3	30.3	30.6	....	29.6
20	....	29.4	29.8	30.3	30.4	30.6	....	29.6
21	....	29.4	29.9	30.3	30.4	30.6	....	29.6
22	....	29.4	29.9	30.3	30.4	30.6	....	29.6
23	....	29.5	29.9	30.3	30.2	30.6	....	29.6
24	....	29.5	29.9	30.4	30.2	30.6	....	29.7
25	28.9	29.5	29.9	30.4	30.2	30.6	....	29.7
26	28.9	29.5	29.9	30.4	30.1	30.6	....	....
27	28.9	29.5	30.0	30.4	30.0	30.6	....	....
28	29.0	29.6	30.0	30.5	30.0	30.7	....	....
29	29.0	29.6	29.9	30.5	29.9	30.7	....	....
30	29.0	29.6	29.9	30.5	29.9	30.7	....	....
31	29.0	....	29.9	30.5	....	30.7	....	....

\* No record for January, February, March, and April.

Be-103. Gilbert Bass.  $SE\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 24 inches, depth 21 feet. Land-surface datum is 125.78 feet above msl. Highest water level 18.83 below lsd, Aug. 17, 1951; lowest 19.99 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 17, 18.83; Oct. 17, 19.43; Nov. 30, 19.99.

Be-104. Meffie Fisher.  $SW\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 57 feet. Highest water level 47.63 below lsd, Aug. 17, 1951; lowest 48.77 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 17, 47.63; Oct. 17, 48.22; Nov. 30, 48.77.

Be-105. C. Hones.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 48 feet. Highest water level 40.32 below lsd, Oct. 17, 1951; lowest 42.25 below lsd, Aug. 17, 1951. Records available: 1951. Aug. 17, 42.25; Oct. 17, 40.32; Nov. 30, 41.84.

Be-106. Ray Cooley.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Highest water level 33.02 below lsd, Aug. 22, 1951; lowest 33.83 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 22, 33.02; Oct. 17, 33.49; Nov. 30, 33.83.

Be-107. Mrs. V. Ladner.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 32 feet. Highest water level 26.54 below lsd, Aug. 17, 1951; lowest 27.55 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 17, 26.54; Oct. 17, 27.09; Nov. 30, 27.55.

Be-108. Mrs. L. Green.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 29, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 31 feet. Highest water level 21.70 below lsd, Oct. 17, 1951; lowest 22.25 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 17, 21.76; Oct. 17, 21.70; Nov. 30, 22.25.

Be-109. W. Honea.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 21 feet. Land-surface datum is 122.70 feet above msl. Highest water level 14.27 below lsd, June 15, 1951; lowest 15.55 below lsd, Nov. 30, 1951. Records available: 1951. June 15, 14.27; Aug. 17, 14.31; Oct. 17, 15.01; Nov. 30, 15.55.



Be-110. W. Honea.  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 27 feet. Land-surface datum is 128.65 feet above msl. Highest water level 17.84 below lsd, Nov. 30, 1951; lowest 21.30 below lsd, Oct. 17, 1951. Records available: 1951. June 15, 19.53; Aug. 17, 20.57; Oct. 17, 21.30; Nov. 30, 17.84.

Be-133. Jason Ogle.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled stock water-table well in sand of Pleistocene age, diameter 8 inches, depth 30 feet. Highest water level 18.74 below lsd, Aug. 17, 1951; lowest 19.90 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 17, 18.74; Oct. 17, 19.54; Nov. 30, 19.90.

Be-135. John Schmidt.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 39 feet. Highest water level 31.56 below lsd, Aug. 17, 1951; lowest 32.95 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 17, 31.56; Oct. 17, 32.38; Nov. 30, 32.95.

Be-136. J. Rummel.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 6, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 5 inches, depth 67 feet. Highest water level 43.70 below lsd, Oct. 11, 1951; lowest 45.91 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 16, 43.84; Oct. 11, 43.70; Nov. 30, 45.91.

Be-137. H. Moses.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 18, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 57 feet. Highest water level 52.28 below lsd, Nov. 30, 1951; lowest 52.83 below lsd, Oct. 11, 1951. Records available: 1951. Aug. 17, 52.53; Oct. 11, 52.83; Nov. 30, 52.28.

Be-138. I. Wells.  $NW\frac{1}{4}SW\frac{1}{4}$  sec. 9, T. 3 S., R. 7 W. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 26 feet. Land-surface datum is 196.42 feet above msl. Highest water level 28.54 below lsd, June 15, 1951; lowest 31.88 below lsd, Oct. 11, 1951. Records available: 1951. June 15, 28.54; Aug. 16, 28.54; Oct. 11, 31.88; Nov. 30, 31.34.

Be-139. I. Wells.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 9, T. 3 S., R. 7 W. Drilled stock water-table well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Highest water level 28.82 below lsd, Aug. 16, 1951; lowest 29.19 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 16, 28.82; Oct. 11, 29.01; Nov. 30, 29.19.

Be-140. R. Scalifi.  $NW\frac{1}{4}SW\frac{1}{4}$  sec. 18, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 58 feet. Highest water level 51.95 below lsd, Aug. 24, 1951; lowest 52.69 below lsd, Dec. 3, 1951. Records available: 1951. Aug. 24, 51.95; Oct. 12, 52.34; Dec. 3, 52.69.

Be-141. W. R. Smith.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 10, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 51 feet. Highest water level 7.61 below lsd, Oct. 10, 1951; lowest 22.81 below lsd, Aug. 22, 1951. Records available: 1951. Aug. 22, 22.81; Oct. 10, 7.61; Dec. 3, 20.27.

Be-142. A. W. Brown.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 16, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 48 feet. Highest water level 43.89 below lsd, Oct. 10, 1951; lowest 45.27 below lsd, Dec. 3, 1951. Records available: 1951. Aug. 22, 45.20; Oct. 10, 43.89; Dec. 3, 45.27.

Be-143. A. Martin.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 3, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 55 feet. Highest water level 43.22 below lsd, May 22, 1951; lowest 47.18 below lsd, Dec. 3, 1951. Records available: 1951. May 22, 43.22; June 6, 45.36; July 13, 46.97; Aug. 22, 46.97; Oct. 10, 47.20; Dec. 3, 47.18.

Be-146. A. Watkins.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 60 feet. Land-surface datum is 163.95 feet above msl. Highest water level 43.30 below lsd, May 23, 1951; lowest 45.61 below lsd, Nov. 30, 1951. Records available: 1951. May 23, 43.30; Aug. 17, 44.34; Oct. 11, 45.00; Nov. 30, 45.61.

Be-147. G. Grien.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Dug stock water-table well in sand of Pleistocene age, diameter 6 inches, depth 30 feet. Land-surface datum is 139.63 feet above msl. Highest water level 21.50 below lsd, June 15, 1951; lowest 25.51 below lsd, Nov. 30, 1951. Records available: 1951. May 23, 21.96; June 15, 21.50; Aug. 17, 23.94; Oct. 11, 22.89; Nov. 30, 25.51.

Be-148. W. Moses. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Dug unused water-table well in sand, diameter 6 inches, depth 47 feet. Land-surface datum is 158.58 feet above msl. Highest water level 32.37 below lsd, May 23, 1951; lowest 34.76 below lsd, Nov. 30, 1951. Records available: 1951. May 23, 32.37; June 15, 32.55; Aug. 17, 33.35; Oct. 11, 34.06; Nov. 30, 34.76.

Be-149. A. Flinchey. SE $\frac{1}{4}$  sec. 8, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 44 feet. Land-surface datum is 162.54 feet above msl. Highest water level 32.55 below lsd, June 15, 1951; lowest 36.65 below lsd, Oct. 11, 1951. Records available: 1951. June 15, 32.55; Aug. 16, 34.88; Oct. 11, 36.65; Nov. 30, 35.84.

Be-150. O. A. Gill. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, T. 2 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 51 feet. Highest water level 33.80 below lsd, Oct. 10, 1951; lowest 37.36 below lsd, Aug. 16, 1951. Records available: 1951. Aug. 16, 37.36; Oct. 10, 33.80; Nov. 30, 34.49.

Be-151. L. A. Talbert. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, T. 2 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 38 feet. Highest water level 28.30 below lsd, May 25, 1951; lowest 34.17 below lsd, Nov. 30, 1951. Records available: 1951. May 25, 28.30; Aug. 16, 29.94; Oct. 10, 30.86; Nov. 30, 34.17.

Be-152. Horace Smith. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, T. 2 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 38 feet. Highest water level 10.08 below lsd, May 25, 1951; lowest 12.39 below lsd, Nov. 30, 1951. Records available: 1951. May 25, 10.08; June 15, 10.80; Aug. 16, 11.78; Oct. 10, 11.74; Nov. 30, 12.39.

Be-153. E. Wedel. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 24 inches, depth 16 feet. Highest water level 14.70 below lsd, Dec. 3, 1951; lowest 17.10 below lsd, Aug. 24, 1951. Records available: 1951. Aug. 24, 17.10; Oct. 10, 15.05; Dec. 3, 14.70.

Be-154. E. Wedel. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 4 S., R. 8 W. Dug domestic water-table well in sand, diameter 15 inches, depth 22 feet. Highest water level 17.82 below lsd, Oct. 10, 1951; lowest 22.77 below lsd, Aug. 24, 1951. Aug. 24, 22.77; Oct. 10, 17.82; Dec. 3, 22.13. Records available: 1951.

Be-156. L. H. Sandifer. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 3 S., R. 6 W. Dug domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 30 feet. Highest water level 22.00 below lsd, Aug. 22, 1951; lowest 22.72 below lsd, Dec. 1, 1951. Records available: 1951. Aug. 22, 22.00; Oct. 11, 22.32; Dec. 1, 22.72.

Be-157. J. C. Harper. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 3 S., R. 6 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 17 feet. Highest water level 10.40 below lsd, Aug. 22, 1951; lowest 13.40 below lsd, Dec. 1, 1951. Records available: 1951. Aug. 22, 10.40; Oct. 11, 10.64; Dec. 1, 13.40.

Be-158. W. Thompson. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 30 feet. Highest water level 25.43 below lsd, Aug. 23, 1951; lowest 26.18 below lsd, Dec. 3, 1951. Aug. 23, 25.43; Oct. 12, 25.85; Dec. 3, 26.18. Records available: 1951.

Be-159. E. Miller. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 23 feet. Highest water level 21.68 below lsd, Aug. 24, 1951; lowest 22.42 below lsd, Dec. 3, 1951. Records available: 1951. Aug. 24, 21.68; Oct. 12, 22.02; Dec. 3, 22.42.

Be-160. E. Cole. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 W. Dug unused water-table well in sand of Pleistocene age, diameter 36 inches, depth 16 feet. Highest water level 15.92 below lsd, Oct. 12, 1951; lowest 21.79 below lsd, Aug. 24, 1951. Aug. 24, 21.79; Oct. 12, 15.92. Records available: 1951.

Be-161. M. D. Heard. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 5 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 58 feet. Highest water level 47.60 below lsd, Aug. 23, 1951; lowest 48.24 below lsd, Dec. 3, 1951. Records available: 1951. Aug. 23, 47.60; Oct. 12, 47.92; Dec. 3, 48.24.

Be-163. E. Iles. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 31, T. 2 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 42 feet. Highest water level 35.94 below lsd, Aug. 16, 1951; lowest 37.48 below lsd, Nov. 30, 1951. Records available: 1951. Aug. 16, 35.94; Oct. 10, 36.75; Nov. 30, 37.48.

Be-164. J. A. Martin. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 47 feet. Highest water level 41.43 below lsd, Dec. 3, 1951; lowest 42.04 below lsd, Aug. 24, 1951. Records available: 1951. Aug. 24, 42.04; Oct. 17, 41.80; Dec. 3, 41.43.

Be-165. J. Brown. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 34 feet. Highest water level 29.54 below lsd, Oct. 17, 1951; lowest 30.44 below lsd, Aug. 24, 1951. Records available: 1951. Aug. 24, 30.44; Oct. 17, 29.54; Dec. 3, 30.16.

Be-166. E. Miers. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 41 feet. Highest water level 31.29 below lsd, Oct. 12, 1951; lowest 31.90 below lsd, Aug. 24, 1951. Records available: 1951. Aug. 24, 31.90; Oct. 12, 31.29; Dec. 3, 31.68.

Be-167. L. Baggette. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 25 feet. Highest water level 19.64 Aug. 23, 1951; lowest 19.96 below lsd, Dec. 1, 1951. Records available: 1951. Aug. 23, 19.64; Oct. 17, 19.68; Dec. 1, 19.96.

Be-168. A. Dougherty. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 39 feet. Highest water level 28.93 below lsd, Aug. 23, 1951; lowest 29.30 below lsd, Dec. 1, 1951. Records available: 1951. Aug. 23, 28.93; Oct. 17, 28.98; Dec. 1, 29.30.

Be-169. R. Ford. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 27 feet. Highest water level 16.61 below lsd, Dec. 1, 1951; lowest 17.96 below lsd, Oct. 17, 1951. Records available: 1951. Aug. 23, 17.92; Oct. 17, 17.96; Dec. 1, 16.61.

Be-170. R. J. Watson. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 58 feet. Highest water level 51.13 below lsd, Aug. 23, 1951; lowest 52.14 below lsd, Dec. 1, 1951. Records available: 1951. Aug. 23, 51.13; Oct. 17, 51.70; Dec. 1, 52.14.

Be-171. L. Austin. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, T. 3 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 40 inches, depth 14 feet. Highest water level 8.66 below lsd, Oct. 17, 1951; lowest 12.29 below lsd, Aug. 24, 1951. Records available: 1951. Aug. 24, 12.29; Oct. 17, 8.66; Dec. 3, 10.20.

Be-172. M. Frusha. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 15 feet. Highest water level 10.54 below lsd, Oct. 17, 1951; lowest 11.03 below lsd, Dec. 3, 1951. Records available: 1951. Aug. 24, 10.89; Oct. 17, 10.54; Dec. 3, 11.03.

#### Bienville Parish

Bi-2. Town of Gibsland. In Gibsland, behind water plant. Drilled public-supply artesian well in Sparta sand, diameter 8 inches, depth 500 feet. Highest water level 43.82 below lsd, Mar. 17, 1947; lowest 53.54 below lsd, Aug. 29, 1951. Records available: 1940, 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	47.73	Apr. 4	47.71	June 28	50.09	Sept. 27	51.27
Feb. 7	50.06	May 2	48.09	July 26	49.74	Oct. 25	51.13
28	46.62	June 6	48.64	Aug. 29	53.54	Dec. 6	52.46

Bi-4. Town of Arcadia. 50 feet south of water treatment plant. Drilled public-supply artesian well in Sparta sand, diameter 6 inches, depth 585 feet, screen at 500-585. Highest water level 159.08 below lsd, Apr. 26, 1950; lowest 178.02 below lsd, Aug. 29, 1951. Records available: 1940, 1949-51.

Feb. 7	177.25	June 6	161.23	Aug. 29	178.02	Oct. 25	172.53
28	159.12	28	170.28	Sept. 27	173.32	Dec. 6	162.58
Apr. 4	159.94	July 26	174.58				

#### Calcasieu Parish

Cu-1". Columbia-Southern Chemical Corp. Formerly Southern Alkali Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, T. 10 S., R. 9 W. Drilled unused artesian well in sand and gravel of Pleistocene age, diameter 6 to 4 inches, depth 456 feet, screen at 414-456. Land-surface datum is 11.95 feet above msl. Highest water level 47.53 below lsd, May 1, 1950; lowest 63.74 below lsd, Oct. 8, 1951. Records available: 1950-51.

Jan. 26	50.73	Mar. 2	49.82	Apr. 6	53.14	May 18	55.51
Feb. 2	50.89	8	49.46	13	53.67	25	56.05
9	50.40	15	51.25	20	54.04	June 1	56.49
17	50.22	23	52.44	May 4	54.74	8	56.99
23	50.05	30	53.18	11	55.09	13	57.72

Cu-12--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 19	57.54	July 23	60.14	Aug. 27	59.89	Oct. 1	60.13
26	58.21	30	59.09	Sept. 4	60.98	8	63.74
July 3	55.75	Aug. 6	59.00	10	61.66	15	63.46
10	58.05	13	59.43	17	62.33	23	63.56
17	59.32	20	59.71	24	62.76	29	63.66

Cu-16. Magnolia Petroleum Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 382 feet. Land-surface datum is 9.58 feet above msl. Highest water level 34.2 below lsd, May 11, 1950; lowest 47.55 below lsd, Aug. 5, 1951. Records available: 1950-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	37.8	37.6	....	....	44.8	46.7	46.5	45.6	45.7	45.5
2	....	38.6	37.7	37.8	....	41.4	44.8	46.8	46.5	45.5	45.9	45.5
3	....	....	37.8	37.9	....	41.4	45.0	46.8	46.5	45.4	45.8	....
4	....	....	37.8	37.8	....	41.5	45.2	47.0	....	45.4	45.6	45.4
5	....	....	37.9	37.5	38.1	41.6	45.3	47.0	46.4	45.6	45.5	45.3
6	38.8	....	37.8	37.5	38.0	41.7	45.5	47.0	46.3	45.6	45.6	45.2
7	....	....	37.8	37.5	38.1	41.8	45.5	47.0	46.3	45.8	45.8	45.2
8	....	....	37.8	37.6	38.1	41.9	45.5	47.0	46.2	45.8	45.6	45.2
9	....	....	37.8	37.6	38.1	42.1	45.7	46.9	46.1	45.8	45.6	....
10	....	38.2	37.7	37.7	38.2	42.3	45.7	46.9	46.0	45.8	45.6	....
11	....	38.1	37.7	37.8	38.4	42.4	45.7	46.9	46.0	45.8	45.6	45.4
12	....	38.0	....	38.0	38.6	42.6	45.8	46.9	45.9	45.8	45.5	45.4
13	38.5	38.1	....	38.0	....	42.7	45.9	46.9	45.7	45.8	45.4	45.3
14	....	38.1	....	....	....	42.8	46.0	46.9	45.8	45.8	45.5	45.1
15	38.8	....	....	....	....	43.0	46.1	46.8	45.9	45.8	45.5	45.2
16	38.7	....	37.6	....	....	43.0	46.2	46.8	45.9	45.8	45.8	45.2
17	38.6	....	37.5	....	....	43.2	46.3	46.8	45.9	45.8	46.0	45.1
18	38.5	38.0	....	....	....	43.4	46.4	46.8	46.0	45.7	45.7	45.0
19	38.7	38.0	....	....	39.8	43.5	46.4	46.8	45.9	45.8	45.7	45.0
20	38.5	37.9	....	....	39.9	43.7	46.4	46.9	45.8	45.7	45.6	44.8
21	....	38.1	....	37.7	40.0	43.8	46.3	46.9	45.6	45.6	45.5	45.1
22	....	38.0	....	37.8	40.1	43.9	46.4	46.9	45.7	45.7	45.4	45.1
23	38.4	37.9	....	....	40.2	44.1	46.3	46.9	45.7	....	45.5	45.1
24	....	37.9	37.7	....	40.3	44.1	46.3	46.9	45.7	45.8	45.5	....
25	....	37.8	37.6	....	40.3	44.3	46.3	46.8	45.7	45.7	45.5	45.2
26	....	37.8	37.5	....	40.5	44.5	46.4	46.8	45.6	45.7	45.6	45.2
27	38.3	37.8	37.0	....	40.8	44.5	46.4	46.7	45.6	45.6	45.7	45.2
28	38.3	37.8	37.1	....	40.9	44.5	46.4	46.7	45.7	45.7	45.7	45.2
29	....	....	37.5	....	41.0	44.6	46.5	45.7	45.8	45.7	45.6	45.0
30	....	....	37.7	....	41.2	44.7	46.6	46.7	45.7	45.7	45.6	....
31	....	....	37.6	....	....	....	46.6	46.7	....	45.6	....	....

Cu-19. Bell Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 10, T. 10 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 4 inches, depth 488 feet. Land-surface datum is 11.74 feet above msl. Highest water level 5.01 below lsd, Jan. 5, 1943; lowest 53.44 below lsd, Aug. 24-25, 1951. Records available: 1943-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.5	38.4	....	36.9	36.2	....	48.3	52.4	53.3	51.3	49.0	47.2
2	39.5	38.4	....	36.8	36.3	41.3	48.5	52.3	53.3	51.2	48.9	47.2
3	39.5	38.4	37.4	36.7	36.3	41.5	48.7	52.4	53.3	51.1	48.9	47.1
4	39.4	38.4	37.4	36.7	36.3	41.8	48.8	52.5	53.3	51.0	48.8	47.0
5	39.4	38.5	37.3	36.6	36.4	42.0	49.0	52.5	53.3	51.0	48.8	47.0
6	39.4	38.5	37.3	36.6	36.4	42.3	49.1	52.6	53.2	50.9	48.7	46.9
7	39.3	38.5	37.3	36.5	36.5	42.5	49.3	52.7	53.2	50.8	48.6	46.9
8	39.3	38.5	37.2	36.5	36.7	42.8	49.4	52.8	53.2	50.7	48.6	46.8
9	39.3	38.5	37.2	36.5	36.8	43.1	49.6	52.8	53.2	50.6	48.5	46.8
10	39.3	38.5	37.2	36.4	37.0	43.4	49.7	52.9	53.2	50.6	48.5	46.7
11	39.2	38.5	37.1	36.4	37.1	43.8	49.8	53.0	53.1	50.5	48.4	46.7
12	39.2	38.5	37.1	36.3	37.3	44.1	50.0	53.0	53.0	50.4	48.3	46.6
13	39.1	38.4	37.1	36.3	37.4	44.4	50.1	53.1	52.9	50.3	48.2	46.5
14	39.1	38.4	37.1	36.3	37.5	44.7	50.3	53.1	52.8	50.3	48.2	....
15	39.0	38.3	37.1	36.3	37.6	44.9	50.4	53.2	52.7	50.2	48.1	....
16	39.0	38.3	37.1	36.3	37.8	45.1	50.6	53.2	52.6	50.1	48.0	....
17	39.0	....	37.1	36.3	37.9	45.3	50.7	53.3	52.5	50.0	47.9	....

## Cu-19--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	39.0	....	37.1	36.3	38.1	45.5	50.9	53.3	52.4	49.9	47.9	....
19	38.9	....	37.1	36.3	38.2	45.7	51.0	53.3	52.4	49.9	47.8	....
20	38.9	....	37.1	36.3	38.3	45.9	51.1	53.4	52.3	49.8	47.8	....
21	38.8	....	37.1	36.3	38.4	46.1	51.3	53.4	52.2	49.7	47.7	....
22	38.8	....	37.1	36.3	38.6	46.3	51.4	53.4	52.1	49.6	47.7	....
23	38.8	....	37.1	36.3	38.7	46.5	51.5	53.4	52.1	....	47.7	....
24	38.7	....	37.1	36.3	38.9	46.8	51.7	53.4	51.9	49.5	47.6	....
25	38.7	....	37.1	36.3	39.1	47.0	51.8	53.4	51.9	49.4	47.5	....
26	38.6	....	37.1	36.3	....	47.2	51.9	53.4	51.8	49.4	47.5	....
27	38.5	....	37.1	36.3	....	47.5	52.0	53.3	51.7	49.3	47.4	....
28	38.5	....	37.0	36.2	....	47.7	52.1	53.3	51.6	49.3	47.4	....
29	38.4	....	37.0	36.2	....	47.9	52.2	53.3	51.5	49.2	47.3	....
30	38.4	....	36.9	36.2	....	48.1	52.3	53.2	51.4	49.1	47.3	....
31	38.4	....	36.9	....	....	....	52.4	53.3	....	49.1	....	....

Cu-21. Continental Oil Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, T. 10 S., R. 9 W. Drilled unused artesian well in sand and gravel of Pleistocene age, diameter 4 inches, depth 265 feet. Land-surface datum is 1.43 feet above msl. Highest water level 26.00 Apr. 20, 1945; lowest 51.52 below lsd, Oct. 8, 1951. Records available: 1943, 1945-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	40.47	Mar. 23	40.76	June 8	45.76	Aug. 20	49.12
12	40.26	30	39.98	13	46.49	27	49.08
18	40.30	Apr. 6	40.96	19	46.73	Sept. 4	49.48
26	40.17	13	41.33	26	46.31	10	49.80
Feb. 2	40.04	20	41.62	July 3	46.05	17	50.35
9	40.65	27	41.96	10	47.43	24	50.71
17	39.57	May 4	42.24	17	48.59	Oct. 1	50.94
23	39.44	11	42.61	23	49.17	8	51.52
Mar. 2	39.42	18	43.28	30	48.79	15	51.27
9	39.14	25	43.97	Aug. 6	48.83	23	51.13
15	39.83	June 1	44.68	13	48.99	29	51.35

Cu-22. Magnolia Petroleum Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 560 feet. Land-surface datum is 4.17 feet above msl. Highest water level 7.70 below lsd, Apr. 21, 1943; lowest 66.34 below lsd, Aug. 30-Sept. 1, 1951. Records available: 1943-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.7	46.9	....	43.5	44.3	52.3	60.7	64.6	66.3	....	58.3	55.8
2	47.4	46.9	....	43.5	44.7	53.5	60.9	64.6	66.1	60.9	58.3	55.5
3	47.6	46.5	44.3	43.4	44.8	52.8	61.2	64.6	65.8	60.8	58.1	55.2
4	47.7	46.3	44.5	43.2	44.9	53.2	61.3	....	....	60.7	57.9	55.2
5	47.6	46.2	44.6	43.1	45.1	53.6	61.5	....	65.9	60.8	57.6	55.0
6	47.5	46.0	44.3	43.2	45.3	53.9	61.7	....	66.1	60.7	57.6	54.8
7	47.6	46.3	44.2	43.1	45.5	54.1	61.7	64.8	66.2	60.7	57.6	54.9
8	47.5	46.2	44.6	43.2	45.6	54.3	61.8	64.9	65.8	60.6	57.5	54.7
9	47.5	46.0	44.9	43.2	45.7	55.1	61.9	65.0	65.3	....	57.3	54.9
10	47.4	46.1	44.9	43.2	46.0	55.6	62.0	65.2	64.5	....	57.1	54.8
11	47.1	46.0	45.1	43.3	46.2	55.7	62.0	65.4	64.1	....	57.0	54.5
12	47.1	45.8	45.2	43.4	46.4	56.1	62.3	65.5	63.8	....	56.7	54.4
13	47.0	45.6	45.0	43.5	46.5	56.4	62.5	65.5	63.7	....	56.2	54.2
14	47.1	45.4	44.9	43.7	....	56.6	62.7	65.6	64.1	....	56.1	54.5
15	47.3	45.3	44.8	43.9	....	56.7	62.8	65.6	64.3	....	56.0	55.0
16	46.9	45.3	44.7	44.2	....	56.7	63.0	65.7	64.0	58.8	56.3	55.0
17	46.9	....	45.0	43.6	....	56.8	62.9	65.6	63.7	58.8	56.7	54.7
18	47.0	....	45.0	43.3	....	57.0	63.1	65.7	63.4	58.9	56.6	54.4
19	47.1	....	45.4	43.6	47.0	57.3	63.4	65.7	63.1	58.8	56.4	54.0
20	47.0	....	45.3	43.8	47.4	57.6	63.6	65.8	62.9	58.7	56.3	54.1
21	47.1	....	45.1	43.7	47.8	58.0	63.8	65.7	62.7	58.6	56.1	54.3
22	46.7	....	44.9	43.8	48.2	58.3	63.9	65.8	62.6	58.6	55.9	54.4
23	46.1	....	....	43.9	48.8	58.7	64.0	65.8	62.4	58.7	55.8	54.2
24	46.0	....	44.7	43.8	49.2	59.0	64.3	65.7	....	58.7	55.9	54.2
25	46.1	....	44.5	43.7	49.5	59.3	64.5	65.7	....	58.6	56.0	54.1
26	....	....	44.4	43.8	49.8	59.5	64.5	65.7	....	58.4	56.0	54.0
27	45.9	....	44.1	43.8	50.3	59.7	64.5	65.8	....	58.4	56.0	54.1
28	46.2	....	43.9	43.9	50.8	59.9	64.5	66.1	....	58.4	55.9	53.8
29	46.4	....	43.8	44.1	51.1	60.1	64.5	66.1	....	58.3	55.8	53.4
30	46.4	....	43.9	44.1	51.6	60.4	64.6	66.3	....	58.2	55.7	53.9
31	46.6	....	43.6	....	52.0	....	64.6	66.3	....	58.2	....	54.1

Cu-34. Gulf States Utilities Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 9 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 700 feet. Highest water level 8.4 below lsd, Jan. 15, 1946; lowest 49.85 below lsd, June 12, 1951. Records available: 1945-61. Measurement discontinued.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	34.2	36.5	33.7	33.9	33.4	42.2
2	33.8	41.5	34.1	33.6	33.6	43.0
3	33.9	39.9	32.1	33.3	34.1	40.7
4	33.6	40.4	34.0	30.4	36.5	40.8
5	32.9	35.7	34.5	....	35.3	41.2
6	34.1	35.0	34.9	33.4	35.7	41.7
7	34.2	35.0	35.1	32.5	35.5	42.9
8	36.6	34.9	35.7	33.4	35.4	44.8
9	34.0	35.0	35.7	31.2	35.4	46.2
10	35.9	34.6	33.2	32.3	38.0	44.9
11	34.7	34.0	33.2	32.1	35.7	47.1
12	33.6	33.8	35.1	32.0	36.0	48.2
13	33.6	35.0	35.5	34.5	36.0	....
14	33.6	34.9	35.8	31.7	36.0	....
15	35.3	34.8	34.9	33.5	36.2	....
16	33.5	33.9	35.0	33.7	37.8	....
17	33.3	34.0	34.5	33.4	37.8	....
18	33.3	32.4	34.0	32.2	38.2	....
19	35.0	32.9	34.6	....	38.8	....
20	33.8	33.8	34.8	32.6	38.8	....
21	35.6	34.5	34.9	32.9	38.9	....
22	38.5	34.5	....	32.5	39.4	....
23	35.6	34.7	....	32.2	42.0	....
24	35.6	34.5	34.5	33.0	39.9	....
25	35.0	34.2	34.7	32.7	42.2	....
26	35.8	34.0	33.7	32.1	40.0	....
27	35.3	34.0	33.5	32.9	40.5	....
28	33.2	34.5	33.4	33.3	43.8	....
29	32.9	....	....	32.5	43.5	....
30	34.8	....	34.2	30.5	41.5	....
31	36.2	....	32.0	....	44.0	....

\* No record for July, August, September, October, November, and December.

Cu-82. Mathieson Chemical Corp. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 34, T. 9 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 511 feet. Land-surface datum is 15.41 feet above msl. Highest water level 72.15 below lsd, Dec. 3, 1950; lowest 86.85 below lsd, Nov. 1, 1951. Records available: 1950-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.8	71.0	70.4	73.8	76.3	78.3	80.7	82.2	84.1	86.1	84.7	84.9
2	75.5	....	71.0	73.7	76.6	78.5	80.9	81.5	84.3	86.0	86.0	84.8
3	75.6	68.0	71.0	73.6	76.6	78.6	81.0	81.6	85.0	86.0	85.9	84.7
4	75.6	68.1	71.8	73.5	76.6	78.7	81.1	81.8	....	86.0	85.6	84.7
5	75.4	70.7	71.8	72.9	77.0	78.9	81.4	82.3	85.3	85.8	85.4	84.7
6	75.3	71.2	71.8	71.6	77.0	79.0	81.5	82.4	85.4	85.8	85.3	84.6
7	75.5	71.5	71.9	72.8	77.2	79.0	82.3	83.3	85.5	86.3	85.5	84.6
8	75.6	71.3	71.8	73.3	77.2	78.2	82.4	82.8	85.5	85.9	85.5	84.6
9	75.3	71.2	72.0	73.3	77.1	79.4	82.5	82.4	85.6	82.3	85.3	84.8
10	75.2	71.3	73.4	72.9	77.2	79.7	83.2	82.3	85.6	85.7	85.3	84.7
11	75.4	71.2	73.7	74.0	77.3	79.6	82.9	82.4	85.6	85.6	85.3	84.3
12	75.1	71.0	74.1	74.3	77.3	79.9	83.0	82.7	85.6	85.4	85.1	84.2
13	75.1	71.0	74.3	75.4	77.3	80.3	83.1	82.8	....	85.3	84.9	84.1
14	75.0	71.0	74.5	75.6	77.3	80.3	83.1	82.8	....	85.9	84.9	83.9
15	75.2	71.0	74.5	75.6	77.3	80.2	83.0	83.1	....	85.9	84.9	84.3
16	75.3	71.0	74.5	75.8	76.9	80.3	83.5	83.1	....	85.8	85.2	84.3
17	75.5	....	74.5	75.9	77.4	80.4	83.3	83.3	....	85.9	85.5	83.7
18	75.5	70.6	74.6	75.7	77.5	80.0	83.4	83.2	85.9	86.1	85.5	82.3
19	75.0	70.5	74.9	75.7	77.7	79.6	83.5	83.0	85.9	86.2	85.2	82.6
20	74.8	70.2	75.0	75.9	77.7	79.1	83.7	83.0	85.8	86.2	85.2	82.3
21	74.9	70.8	75.0	75.9	77.7	79.3	83.8	83.0	85.8	86.2	85.1	84.2
22	74.8	70.6	74.4	76.0	77.8	79.3	84.0	82.7	85.8	86.1	85.0	84.4
23	74.6	70.5	....	76.0	78.0	79.3	84.7	82.8	85.8	85.8	85.0	84.2
24	74.7	70.4	74.6	76.0	78.1	80.5	83.3	83.7	85.8	86.3	84.9	84.2
25	74.7	70.3	74.6	76.0	78.2	81.1	82.9	83.8	85.8	86.3	84.9	84.1

Cu-82--Continued

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	74.5	70.2	74.5	76.1	78.2	80.8	82.4	83.5	86.2	86.2	84.9	84.1
27	74.4	70.2	74.3	76.1	78.4	81.0	82.0	83.4	86.1	86.2	85.0	84.3
28	74.3	70.4	72.8	76.2	78.2	81.3	82.4	83.4	86.2	86.1	85.1	84.1
29	74.5		74.0	76.2	78.2	81.1	82.5	83.7	86.2	86.0	85.0	83.9
30	74.3		74.3	76.1	78.4	80.7	82.5	83.4	86.2	86.2	85.0	84.1
31	74.3		74.3		78.5		82.6	83.8		86.3		84.0

Cu-84. Port of Lake Charles. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 2, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 16 to 6 inches, depth 708 feet, screen at 648-708. Land-surface datum is 12.91 feet above msl. Highest water level 42.23 below lsd, Apr. 17, 1950; lowest 62.10 below lsd, June 13, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	51.18	Feb. 17	49.95	Mar. 30	48.74	May 11	50.74
12	51.64	23	49.43	Apr. 6	47.50	18	52.15
18	51.60	Mar. 2	49.10	13	47.90	25	54.54
26	51.50	9	50.28	20	48.52	June 1	57.65
Feb. 2	51.32	15	50.18	27	48.68	8	59.84
9	50.40	23	49.28	May 4	49.31	13	62.10

Cu-115. Krause & Managan. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T. 9 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 348 feet. Land-surface datum is 9.09 feet above msl. Highest water level 0.90 below lsd, Apr. 28, 1944; lowest 20.25 below lsd, Sept. 21, 1951. Records available: 1943-51. Mar. 8, 13, 11; Sept. 21, 20, 25.

Cu-120. Mathieson Chemical Corp. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 11 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 700 feet. Land-surface datum is 6.42 feet above msl. Highest water level 3.18 below lsd, Apr. 11, 1944; lowest 37.25 below lsd, Sept. 20, 1951. Records available: 1943-51. Mar. 8, 22, 57; May 9, 23, 34; July 8, 36, 45; Sept. 20, 37, 25.

Cu-125. Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 10 S., R. 10 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 700 feet. Land-surface datum is 15.92 feet above msl. Highest water level 10.23 below lsd, Apr. 11, 1944; lowest 55.61 below lsd, Aug. 6, 1951. Records available: 1943-51.

Jan. 5	37.96	Mar. 23	36.30	June 8	46.71	Aug. 20	55.14
12	38.02	30	35.90	13	47.98	27	54.30
18	37.85	Apr. 6	35.60	19	48.87	Sept. 4	55.12
26	37.40	13	35.77	26	50.39	10	54.42
Feb. 2	37.44	20	35.52	July 3	51.16	17	53.38
9	37.48	27	35.34	10	52.85	24	52.15
17	37.04	May 4	37.01	17	54.12	Oct. 1	51.30
23	36.68	11	38.80	23	54.35	8	50.74
Mar. 2	36.44	18	40.34	30	55.50	15	49.93
8	36.53	25	42.31	Aug. 6	55.61	23	51.36
15	36.36	June 1	44.52	13	54.95	29	48.86

Cu-128. Steve Alford. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, T. 9 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 418 feet. Land-surface datum is 10.02 feet above msl. Highest water level 9.87 below lsd, Apr. 28, 1944; lowest 47.01 below lsd, Sept. 19, 1951. Records available: 1944-48, 1950-51. Mar. 7, 28, 20; Sept. 19, 47, 01.

Cu-161. Calcasieu-Marine National Bank. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, T. 11 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 500 feet. Land-surface datum is 11.18 feet above msl. Highest water level 9.18 below lsd, July 9, 1946; lowest 50.56 below lsd, Sept. 19, 1951. Records available: 1944-51. Mar. 9, 19, 59; Sept. 19, 50, 56.

Cu-171. A. L. Gayle. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 11 S., R. 8 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 375 feet, screen at 262-362. Land-surface datum is 14.11 feet above msl. Highest water level 36.25 below lsd, Dec. 13, 1950; lowest 41.99 below lsd, Sept. 28, 1950. Records available: 1950-51. Mar. 9, 32, 57. Measurement discontinued.

Cu-173. Charles Linkswiler. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 10 S., R. 8 W. Highest water level 28.79 below lsd, Mar. 10, 1947; lowest 55.85 below lsd, Sept. 7, 1949. Records available: 1946-47, 1949-50. No measurement made in 1951.

Cu-208. W. L. Caldwell. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 8 S., R. 8 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 467 feet, screen at 351-467. Land-surface datum is 38.44 feet above msl. Highest water level 23.10 below lsd, May 26, 1947; lowest 42.31 below lsd, Sept. 20, 1951. Mar. 7, 31, 39; Sept. 20, 42, 31. Records available:

Cu-209. J. P. Tucker. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 14, T. 9 S., R. 9 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 3 inches, depth 200 feet. Highest water level 40.60 below lsd, Mar. 11, 1947; lowest 49.75 below lsd, Sept. 9, 1948. Mar. 8, 45.41. Records available: 1946-51. Measurement discontinued.

Cu-222. Hardy Johnson. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, T. 9 S., R. 13 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 to 4 inches, depth 627 feet. Land-surface datum is 24.71 feet above msl. Highest 2.03 below lsd, May 30, 1944; lowest 28.21 below lsd, Sept. 10, 1951. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	12.22	Apr. 11	11.56	Aug. 9	26.12	Sept. 21	24.62
Feb. 9	12.07	May 9	13.18	Sept. 10	28.21	Oct. 4	22.30
Mar. 8	12.06	June 1	19.31				

Cu-228. R. Royer. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, T. 9 S., R. 12 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 425 feet, screen at 400-420. Land-surface datum is 27.38 feet above msl. Highest water level 10.08 below lsd, Apr. 11, 1944; lowest 30.76 below lsd, Sept. 21, 1951. Records available: 1944-51. Mar. 8, 16.04; Sept. 21, 30.76.

Cu-240. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 9 S., R. 11 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 500 feet. Land-surface datum is 19.52 feet above msl. Highest water level 7.40 below lsd, Apr. 11, 1944; lowest 38.24 below lsd, Sept. 21, 1951. Records available: 1944-51. Mar. 8, 24.48; Sept. 21, 38.24.

Cu-245. W. R. Keever. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 8 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 300 feet. Land-surface datum is 19.07 feet above msl. Highest water level 6.28 below lsd, June 12, 1946; lowest 19.67 below lsd, Sept. 21, 1951. Records available: 1945-51. Mar. 8, 11.70; Sept. 21, 19.67.

Cu-256. Mathilda Gray. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 11 S., R. 12 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 516 feet. Land-surface datum is 8.47 feet above msl. Highest water level 11.03 below lsd, Mar. 23, 1950; lowest 26.27 below lsd, Sept. 21, 1951. Records available: 1950-51. Mar. 8, 14.03; Sept. 21, 26.27.

Cu-267. Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 11 S., R. 8 W. Highest water level 8.09 below lsd, Jan. 7, 1947; lowest 26.74 below lsd, Sept. 14, 1949. Records available: 1944-50. No measurement made in 1951.

Cu-347. Amy Waite. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 9 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 280 feet, screen at 214-284. Land-surface datum is 23.07 feet above msl. Highest water level 20.75 below lsd, Mar. 10, 1947; lowest 35.02 below lsd, Dec. 19, 1949. Records available: 1946-51. Mar. 7, 30.01.

Cu-440. Department of Air Force. Formerly Calcasieu Parish Police Jury. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 10 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 500 feet. Land-surface datum is 11.93 feet above msl. Highest water level 13.62 below lsd, Apr. 11, 1944; lowest 51.00 below lsd, Aug. 27, 1951. Records available: 1944, 1947-51.

Jan. 5	35.82	Mar. 23	33.46	June 8	41.67	Aug. 20	50.72
12	35.55	30	33.12	13	43.24	27	51.00
18	35.32	Apr. 6	33.01	19	45.16	Sept. 4	50.80
26	35.14	13	32.88	26	45.31	10	50.46
Feb. 2	34.88	20	32.70	July 3	45.54	17	49.52
9	34.92	27	32.71	10	47.12	24	48.64
17	34.48	May 4	32.79	17	48.62	Oct. 1	47.61
23	34.17	11	33.19	23	49.76	8	46.88
Mar. 2	33.90	18	34.76	30	49.98	15	45.94
9	33.73	25	36.79	Aug. 6	49.89	23	45.30
15	33.66	June 1	38.83	13	50.47	29	44.80

Cu-445. Cities Service Refining Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 540 feet. Land-surface datum is 12.26 feet above msl. Highest water level 30.9 below lsd, Apr. 19-20, 1947; lowest 83.73 below lsd, Sept. 6-7, 1951. Records available: 1945-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.2	64.5	60.8	59.1	62.1	68.8	77.9	80.9	83.1	....	74.5	71.9
2	64.1	64.5	60.6	59.2	62.2	69.0	78.1	81.0	82.7	76.3	74.3	71.7
3	64.4	64.5	60.3	59.1	62.3	69.1	78.1	81.0	81.3	76.5	74.0	71.2
4	64.7	64.5	60.9	59.5	62.7	69.6	78.2	80.8	82.4	76.5	73.9	71.1
5	64.0	64.1	60.6	60.4	62.7	70.1	78.8	80.3	83.4	76.6	73.9	70.6



Cu-445--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	64.3	63.6	58.7	60.6	62.7	70.5	78.8	80.3	83.7	76.5	73.4	70.4
7	64.4	63.6	59.3	59.7	63.2	71.2	78.2	80.5	83.7	76.4	73.7	70.4
8	64.4	63.3	60.4	59.4	63.6	73.2	77.7	80.6	81.9	76.3	73.7	70.4
9	64.7	63.0	60.3	59.7	63.8	74.4	77.9	80.9	80.6	76.4	73.7	70.4
10	64.5	62.9	60.8	59.8	63.8	73.4	77.9	81.4	77.5	76.2	73.1	70.3
11	63.6	62.9	61.0	59.9	63.2	72.6	78.6	81.4	76.6	75.5	72.9	69.8
12	63.7	62.7	61.1	60.0	63.2	73.1	78.7	81.4	77.0	75.4	71.2	69.7
13	63.4	61.7	59.1	60.6	63.8	73.5	78.8	81.7	78.8	74.2	69.8	71.1
14	63.8	61.5	58.9	60.8	63.9	73.8	78.9	81.8	80.3	74.4	69.6	71.4
15	63.9	61.2	58.8	61.0	64.2	73.2	79.2	81.8	80.3	75.0	69.8	73.1
16	61.8	61.3	60.8	61.2	64.5	72.9	79.2	81.8	79.7	74.6	71.9	73.6
17	63.0	60.9	61.1	58.0	62.8	73.0	78.4	82.2	78.5	74.9	72.6	73.4
18	63.5	61.0	61.5	58.9	63.2	73.0	79.0	82.3	78.4	74.6	72.8	71.2
19	63.7	61.0	61.9	59.5	63.3	73.5	79.4	82.1	79.1	74.6	72.6	70.6
20	63.2	61.0	61.5	59.7	64.1	74.3	79.9	82.1	78.8	74.4	72.1	72.8
21	63.3	60.9	61.2	59.7	64.4	74.6	79.5	82.0	78.6	74.4	71.9	72.3
22	62.3	60.9	61.3	....	65.5	75.2	79.5	82.0	78.5	74.5	71.7	72.6
23	59.5	60.5	61.2	....	66.4	75.9	80.0	81.7	78.4	74.9	71.4	72.3
24	60.5	61.0	61.4	....	66.8	76.1	....	80.8	78.3	74.9	72.2	72.3
25	61.3	61.1	60.8	....	66.8	76.4	....	80.8	78.0	74.8	72.3	71.9
26	61.5	60.9	61.4	....	66.6	76.4	....	80.7	77.8	74.1	72.5	71.8
27	62.0	58.7	61.3	60.5	67.5	76.4	....	82.1	77.8	74.1	72.3	71.7
28	62.5	60.2	59.9	61.1	67.8	76.9	....	82.3	78.1	74.2	72.2	71.3
29	62.8	....	59.5	61.5	68.3	77.3	....	83.0	78.1	74.2	72.1	69.7
30	63.5	....	59.7	62.0	68.9	77.5	80.9	83.1	78.0	74.3	72.0	73.4
31	63.8	....	59.0	....	69.1	....	80.9	83.3	....	74.0	....	73.6

Cu-446. Cities Service Refining Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 738 feet. Highest water level 22.8 below lsd, Apr. 27, 1946; lowest 72.73 below lsd, Aug. 30, 1951. Records available: 1945-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.8	49.2	48.2	47.4	46.5	55.4	63.4	69.3	71.5	64.7	61.4	58.9
2	49.5	50.8	47.9	47.0	47.1	55.7	63.6	69.4	71.4	64.5	61.5	59.9
3	49.6	51.1	48.7	46.8	48.2	56.0	63.8	69.5	71.3	64.3	61.3	58.7
4	49.7	50.1	48.2	46.6	48.5	56.4	64.0	69.5	71.2	64.2	61.2	58.4
5	50.6	49.8	49.6	46.4	48.7	56.9	64.2	69.5	71.1	64.2	61.0	58.7
6	49.9	49.6	50.5	46.4	47.2	57.4	64.8	69.5	71.1	64.1	60.9	58.5
7	49.8	49.7	50.7	47.4	46.7	57.3	65.6	69.6	71.2	64.1	60.9	58.5
8	50.4	49.7	48.0	47.6	46.7	57.5	66.0	69.7	71.2	64.1	60.8	58.3
9	50.0	49.6	48.2	47.7	46.6	58.4	65.9	69.8	71.1	64.0	60.9	58.4
10	50.5	49.6	48.1	47.8	46.8	59.0	66.1	69.9	71.0	63.8	60.6	58.4
11	52.3	49.4	48.1	47.8	47.9	59.3	66.5	70.0	70.7	63.5	60.5	58.2
12	50.1	48.4	49.7	47.9	48.6	59.6	67.3	70.2	70.4	63.4	61.9	58.1
13	50.6	47.9	51.1	48.0	49.2	59.9	66.9	70.2	69.2	62.5	62.9	57.9
14	49.9	47.3	51.2	47.2	49.0	59.5	68.9	70.2	69.0	63.0	63.3	57.8
15	50.8	47.3	51.4	46.9	48.5	60.3	67.5	70.2	68.9	62.8	63.3	58.2
16	52.6	47.1	51.5	48.2	48.1	60.7	67.5	70.2	68.7	62.9	60.5	58.3
17	52.0	47.1	48.8	50.2	48.1	60.9	67.6	70.2	67.0	62.7	60.3	58.0
18	49.6	46.7	49.2	49.2	48.1	61.2	67.7	70.2	65.6	62.6	60.1	57.7
19	49.3	46.6	48.4	46.8	49.2	61.4	67.9	70.2	65.4	62.5	59.9	58.0
20	50.0	46.4	47.0	46.5	49.0	61.8	68.1	70.3	66.3	62.4	59.7	57.7
21	49.3	46.5	46.6	46.5	49.1	62.9	68.3	70.3	66.2	61.0	59.6	57.8
22	49.6	46.5	46.4	46.3	49.4	62.3	68.4	70.3	66.0	60.2	59.4	57.4
23	51.9	48.2	47.3	46.3	49.8	61.8	68.4	70.3	65.9	60.0	59.4	57.1
24	51.2	47.7	47.6	46.2	50.5	61.7	68.5	70.3	65.8	60.0	59.3	57.1
25	49.2	47.5	48.4	46.2	52.1	61.8	69.9	70.3	65.6	59.8	59.2	57.0
26	49.0	48.4	48.1	46.2	53.2	62.9	69.0	70.3	65.4	61.6	59.2	57.0
27	49.9	50.4	47.5	46.2	53.1	63.4	69.1	70.4	65.6	61.8	59.2	57.1
28	49.4	49.7	46.5	47.1	55.2	62.9	69.1	71.2	65.2	61.7	59.1	56.8
29	49.1	....	46.9	46.7	54.2	63.1	69.2	71.3	65.1	61.7	59.0	56.6
30	48.7	....	47.3	46.5	53.8	....	69.3	72.4	64.9	61.5	59.0	56.7
31	48.6	....	48.0	....	54.2	....	69.3	71.7	....	61.9	....	56.8

Cu-451. Stanolind Oil & Gas Co. SW $\frac{1}{4}$  sec. 3, T. 11 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 380 feet, screen 300-380. Land-surface datum is 22.53 feet above msl. Highest water level 25.08 below lsd, May 22, 1947; lowest 68.44 below lsd, Sept. 19, 1951. Records available: 1946-51. Mar. 9, 34.82; Sept. 19, 68.44.

Cu-453. Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 10 S., R. 10 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 9 inches, depth 340 feet, screen 240-340. Land-surface datum is 13.21 feet above msl. Highest water level 30.65 below lsd, May 1, 1950; lowest 53.42 below lsd, July 17, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	31.34	Mar. 8	33.55	July 17	53.42	Sept. 17	42.99
12	35.15	15	34.25	Aug. 6	50.30	24	42.61
18	35.02	23	34.18	13	50.30	Oct. 1	42.28
26	34.94	30	34.12	20	48.88	8	42.21
Feb. 2	34.77	Apr. 6	34.16	27	49.40	15	42.12
17	34.53	13	34.27	Sept. 4	44.29	23	41.99
23	34.49	20	34.33	10	43.48	29	41.88
Mar. 2	34.35	27	34.39				

Cu-456. Paul Bellon. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 9 S., R. 8 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 21 inches, depth 436 feet. Land-surface datum is 24.33 feet above msl. Highest water level 27.98 below lsd, Mar. 22, 1950; lowest 44.23 below lsd, Sept. 20, 1951. Records available: 1950-51. Mar. 7, 30.81; Sept. 20, 44.23.

#### Cameron Parish

Cn-4. Union Sulphur Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 36, T. 12 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 550 feet. Land-surface datum is 4.85 feet above msl. Highest water level 3.57 below lsd, Jan. 10, 1946; lowest 10.45 below lsd, Sept. 20, 1951. Records available: 1945-51. Mar. 8, 6.95; Sept. 20, 10.45.

Cn-8. Broussard Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 12 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 744 feet. Land-surface datum is 3.77 feet above msl. Highest water level 0.4 above lsd, Apr. 11, 1944; lowest 28.82 below lsd, Sept. 20, 1951. Records available: 1943-51. Mar. 8, 16.24; Sept. 20, 28.82.

Cn-10. Hebert, Helms & Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 12 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 376 feet, screen 294-374. Land-surface datum is 4.96 feet above msl. Highest water level 5.42 below lsd, June 11, 1946; lowest 38.63 below lsd, Sept. 20, 1951. Records available: 1945-51. Mar. 9, 16.64; Sept. 20, 38.63.

Cn-16. Maple Hughes. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 12 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 8 inches, depth 350 feet. Land-surface datum is 5.03 feet above msl. Highest water level 5.59 below lsd, May 21, 1947; lowest 28.92 below lsd, Aug. 3, 1951. Records available: 1946-51. Mar. 6, 11.78; Aug. 3, 28.92; Sept. 18, 26.07.

Cn-17. John Predia. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, T. 15 S., R. 8 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 300 feet. Land-surface datum is 5.48 feet above msl. Highest water level 1.88 below lsd, June 11, 1946; lowest 14.60 below lsd, Mar. 22, 1950. Records available: 1945-51. Mar. 9, 7.35; Sept. 20, 10.88.

Cn-19. Warren Miller. NW $\frac{1}{4}$  sec. 32, T. 14 S., R. 7 W. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 360 feet. Land-surface datum is 4.76 feet above msl. Highest water level 1.70 below lsd, July 9, 1946; lowest 11.85 below lsd, Sept. 20, 1951. Records available: 1946-51. Mar. 9, 7.22; Sept. 20, 11.85.

Cn-20. Julian East. SE $\frac{1}{4}$ SE $\frac{1}{4}$  irregular sec. 40, T. 14 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 350 feet. Land-surface datum is 8.93 feet above msl. Highest water level 6.42 below lsd, Nov. 6, 1946; lowest 9.44 below lsd, Sept. 20, 1951. Records available: 1946-51. Mar. 9, 8.52; Sept. 20, 9.44.

Cn-24. Peter Constance. In T. 15 S., R. 11 W., at Holly Beach. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 360 feet. Land-surface datum is 3.82 feet above msl. Highest water level 0.21 below lsd, Mar. 18, 1949; lowest 3.74 below lsd, Sept. 20, 1951. Records available: 1949-51. Mar. 8, 1.97; Sept. 20, 3.74.

Cn-27. Sweetlake Land & Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T. 12 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 490 feet, screen 410-490. Land-surface datum is 11.88 feet above msl. Highest water level 22.01 below lsd, Mar. 22, 1950; lowest 53.19 below lsd, Sept. 20, 1951. Records available: 1949-51. Mar. 9, 24.73; Sept. 20, 53.19.

Cn-28. A. M. Barb. S $\frac{1}{2}$  irregular sec. 31, T. 15 S., R. 10 W. Drilled stock artesian well in sand of Pleistocene age, diameter 6 to 4 inches, depth 282 feet. Land-surface datum is 10.75 feet above msl. Highest water level 8.8 below lsd, Oct. 4, 1949; lowest 14.2 below lsd, Nov. 3, 17, and Dec. 15, 1951. Records available: 1949-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.7	11.5	10.2	10.7	10.8	11.8	11.3	11.6	12.2	12.7	13.7	13.6
2	10.7	11.8	10.3	11.1	10.9	11.6	11.4	11.6	12.2	12.6	14.1	13.5
3	10.9	11.6	10.1	11.2	11.0	11.5	11.4	11.6	12.4	12.6	14.2	13.3
4	10.8	11.2	10.2	11.1	11.2	11.5	11.5	11.7	12.5	13.0	13.8	13.2
5	10.7	10.9	10.3	10.9	11.4	11.5	11.6	11.7	12.6	13.0	13.4	13.1
6	11.0	10.6	10.2	10.8	11.4	11.6	11.6	11.7	12.8	13.2	13.9	12.9
7	11.5	10.8	10.2	10.9	11.3	11.6	11.7	11.9	12.8	13.6	14.0	13.0
8	11.3	11.0	10.3	11.0	11.1	11.5	11.7	12.0	12.8	13.6	13.7	12.9
9	11.0	10.7	10.8	11.0	11.0	11.6	11.7	12.0	12.8	13.5	13.6	13.2
10	11.0	10.8	10.8	11.0	11.1	11.8	11.7	12.1	12.8	13.5	13.6	13.3
11	10.9	10.9	10.7	11.2	11.2	11.6	11.7	12.2	12.6	13.5	13.6	13.4
12	10.8	10.7	11.4	11.5	11.1	11.7	11.6	12.2	12.3	13.5	13.4	13.5
13	10.7	10.5	11.8	11.6	11.1	11.8	11.7	12.0	12.3	13.5	13.3	13.5
14	11.1	10.6	11.6	11.5	11.0	11.7	11.8	12.0	12.3	13.5	13.5	13.3
15	11.4	10.5	11.5	11.4	10.8	11.7	11.8	12.0	12.4	13.5	13.5	14.2
16	11.1	10.8	11.2	11.3	10.8	11.7	11.8	12.0	12.5	13.5	13.8	13.7
17	11.0	10.8	11.0	11.0	11.0	11.6	11.8	11.8	12.6	13.6	14.2	13.2
18	10.9	10.7	10.9	10.9	11.1	11.6	11.9	11.9	12.7	13.5	14.0	13.5
19	10.9	10.5	11.3	10.9	11.3	11.5	12.0	11.7	12.8	13.7	14.0	13.0
20	10.9	10.5	11.0	11.0	11.3	11.5	12.0	11.8	12.7	13.5	13.8	12.7
21	11.2	10.4	10.9	10.9	11.3	11.6	11.9	11.9	12.5	13.4	13.5	13.3
22	11.1	10.6	11.0	11.0	11.4	11.6	12.1	12.0	12.7	13.5	13.2	13.3
23	11.0	10.5	11.0	11.0	11.6	11.6	12.1	12.1	12.7	13.6	13.1	13.0
24	11.1	10.5	11.0	11.1	11.4	11.4	12.0	12.1	12.7	13.6	13.1	13.0
25	11.1	10.4	10.8	11.0	11.4	11.4	12.0	12.1	12.7	13.4	13.1	13.0
26	11.0	10.4	10.7	11.0	11.3	11.5	12.0	12.0	12.7	13.4	13.2	13.2
27	10.7	10.3	10.4	11.1	11.4	11.6	12.0	11.9	12.7	13.4	13.4	13.6
28	10.6	10.4	10.4	11.1	11.4	11.4	11.9	11.9	12.8	13.4	13.4	13.3
29	10.7	10.7	11.0	11.5	11.2	11.7	12.0	12.8	13.3	13.5	13.3	13.3
30	10.8	10.8	11.9	11.7	11.3	11.7	12.1	12.8	13.4	13.6	13.4	13.4
31	10.7	10.8	10.8	11.8	11.8	11.6	12.2	12.2	13.5	13.5	13.3	13.3

Cn-41. State Department of Conservation. In irregular sec. 41, T. 15 S., R. 4 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 460 feet. Land-surface datum is 2.33 feet above msl. Highest water level 2.22 below lsd, Sept. 28, 1950; lowest 4.10 below lsd, Sept. 20, 1951. Records available: 1950-51. Mar. 9, 2.74; Sept. 20, 4.10.

Cn-42. State Department of Conservation. In T. 15 S., R. 4 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 460 feet. Land-surface datum is 2.01 feet above msl. Highest water level 2.40 below lsd, Mar. 9, 1951; lowest 5.53 below lsd, Sept. 20, 1951. Records available: 1950-51. Mar. 9, 2.40; Sept. 20, 5.53.

Cn-44. Magnolia Petroleum Co. Sec. 23, T. 15 S., R. 13 W. Highest water level 6.60 below lsd, Dec. 13, 1950; lowest 7.23 below lsd, Sept. 28, 1950. Records available: 1950. Measurement discontinued.

#### East Baton Rouge Parish

EB-4. Esso Standard Oil Co., Louisiana Division. N $\frac{1}{2}$  irregular sec. 44, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 698 feet, screen at 337-438 and 532-692. Land-surface datum is 67.07 feet above msl. Highest water level 104.0 below lsd, Mar. 7, 1946; lowest 234.1 below lsd, Sept. 15, 18, 1944. Records available: 1944-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	145.3	143.9	142.4	141.8	136.0	165.1	196.2	204.0	213.5	209.0	186.5	167.0
2	146.9	142.5	147.9	143.0	137.8	161.0	197.4	206.7	214.8	206.7	189.4	166.1
3	147.1	147.1	148.1	144.6	138.0	160.7	197.7	.....	.....	208.8	188.6	165.6
4	146.9	149.9	146.2	145.2	139.5	161.5	196.0	208.0	.....	205.3	186.5	162.2
5	147.1	147.5	145.7	142.8	141.7	164.8	197.4	208.3	215.5	202.4	186.7	161.6
6	147.7	147.6	145.8	141.7	142.8	165.5	195.8	.....	216.4	200.4	186.8	159.5
7	145.6	146.3	147.3	144.1	143.2	.....	198.7	.....	217.2	199.0	184.3	158.2
8	147.1	145.5	147.3	140.8	143.9	170.3	199.6	.....	217.6	197.9	186.8	158.3
9	146.6	144.4	149.9	139.7	141.7	170.3	198.1	.....	220.1	200.2	.....	160.3
10	145.9	144.0	148.0	140.2	144.1	168.5	199.5	.....	.....	196.8	176.0	158.2

EB-4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	145.0	142.8	147.4	139.5	147.5	174.4	198.2	.....	.....	196.9	178.3	156.4
12	143.1	142.1	146.7	140.4	145.7	174.9	200.5	.....	218.0	194.8	178.6	157.2
13	141.7	140.2	149.3	140.2	149.1	176.6	200.0	.....	217.6	193.7	178.5	155.4
14	141.3	141.2	148.5	139.7	148.3	178.5	198.2	.....	.....	194.2	178.8	.....
15	138.2	144.1	151.6	140.2	148.2	180.4	195.7	.....	216.9	.....	179.1	.....
16	140.2	145.8	150.0	139.3	150.0	184.2	195.6	.....	216.4	.....	175.9	.....
17	140.5	144.4	149.0	139.9	151.6	183.0	197.2	.....	214.6	.....	175.1	.....
18	140.6	143.9	147.1	141.4	151.9	183.7	196.4	.....	212.2	196.4	174.4	155.5
19	141.7	144.0	146.0	139.7	148.0	186.9	195.3	.....	.....	198.0	.....	153.6
20	.....	144.4	147.3	139.6	148.3	186.6	195.7	.....	213.3	197.9	.....	154.6
21	.....	143.7	146.0	141.8	148.0	183.9	196.3	.....	213.1	197.7	175.1	152.4
22	141.6	143.2	.....	143.5	146.5	184.7	196.3	.....	209.6	197.3	172.8	152.3
23	138.8	142.2	146.0	141.5	147.5	187.3	196.5	.....	208.0	196.9	.....	151.8
24	138.7	138.5	145.5	140.5	146.6	185.6	196.5	.....	208.2	195.6	.....	150.3
25	137.5	139.9	143.4	143.1	152.4	188.3	199.5	.....	209.1	195.0	166.8	148.8
26	138.5	138.6	142.9	145.5	147.6	187.7	198.3	.....	.....	195.0	166.2	148.1
27	137.7	142.0	144.0	144.1	153.3	192.8	199.0	.....	.....	194.2	173.0	149.0
28	137.9	142.5	144.5	142.3	154.5	192.0	199.0	213.7	210.2	193.4	.....	153.7
29	140.3	.....	142.9	140.3	157.2	194.0	199.0	213.5	209.9	190.3	164.8	155.6
30	140.6	.....	142.8	139.2	160.3	192.7	199.1	215.3	210.4	191.4	165.5	156.5
31	143.1	.....	141.4	.....	162.9	.....	199.2	.....	.....	190.1	.....	153.3

EB-15. Esso Standard Oil Co. Louisiana Division.  $N\frac{1}{2}$  irregular sec. 44, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 886 feet, screen at 320-420 and 511-679. Land-surface datum is 62.56 feet above msl. Highest water level 104.7 below lsd, Mar. 7, 1946; lowest 216.1 below lsd, Aug. 6, 1944. Records available: 1940-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	165.5	152.0	158.3	155.3	148.5	167.6	190.8	195.7	207.8	205.4	188.0	172.8
2	165.8	157.0	160.2	155.6	149.1	166.9	191.2	198.3	208.3	204.3	187.4	171.9
3	165.3	159.3	160.3	155.2	149.8	167.0	191.5	199.5	208.1	205.2	188.3	171.3
4	165.2	160.1	159.4	154.8	148.8	168.3	191.0	200.0	207.8	203.7	186.2	169.6
5	164.5	159.2	158.8	153.0	149.8	170.2	192.3	200.5	208.1	202.6	185.4	168.8
6	165.0	158.9	158.6	152.8	151.5	171.9	191.6	201.2	208.8	201.7	185.0	168.3
7	165.0	161.0	158.9	153.5	151.3	174.0	193.4	201.4	209.3	.....	182.9	169.3
8	165.5	161.2	159.2	152.2	151.8	175.6	194.0	.....	209.7	.....	183.8	170.2
9	165.7	161.1	159.0	152.0	152.1	176.9	.....	202.3	210.3	.....	180.9	171.0
10	165.3	161.9	158.1	152.5	153.5	176.7	.....	203.0	.....	.....	.....	170.0
11	165.3	.....	158.1	152.9	155.1	178.6	193.3	202.8	.....	197.8	.....	169.3
12	164.5	.....	158.2	153.2	154.9	179.4	194.0	203.9	209.9	195.9	180.0	169.4
13	163.2	.....	159.5	.....	155.7	180.5	194.8	204.9	.....	195.2	179.4	168.2
14	162.6	159.3	159.5	153.1	156.3	180.8	193.9	.....	209.7	195.6	179.8	167.6
15	161.6	160.6	159.9	153.1	155.9	178.3	.....	205.1	209.1	193.5	179.8	167.8
16	161.3	159.9	159.8	152.4	158.7	181.8	.....	202.9	208.2	193.4	178.2	.....
17	161.6	160.1	159.5	152.7	159.0	180.8	.....	205.5	207.9	194.7	179.8	.....
18	161.6	160.2	158.5	152.8	159.2	181.2	193.1	205.3	207.8	195.4	179.9	.....
19	161.8	160.2	158.4	151.3	160.6	183.1	193.2	205.1	208.5	196.6	179.8	.....
20	.....	160.0	158.9	151.9	162.2	182.9	192.5	205.5	208.6	196.9	182.0	.....
21	.....	160.2	158.5	152.9	161.9	182.6	193.0	207.1	208.2	196.6	181.4	.....
22	158.5	159.6	.....	153.7	161.6	182.9	192.7	206.8	206.7	196.4	180.3	167.7
23	157.5	158.1	158.6	152.7	162.2	184.7	192.5	206.1	205.9	196.2	180.0	.....
24	157.1	157.7	157.9	152.1	161.2	184.2	193.9	207.3	205.8	195.2	178.9	.....
25	157.2	157.1	157.1	152.7	164.2	185.5	194.2	207.5	206.2	193.9	177.4	.....
26	157.5	156.6	156.9	153.5	163.3	185.8	193.4	.....	206.4	194.1	176.3	.....
27	156.5	158.0	156.9	152.3	164.6	.....	193.5	208.1	206.4	193.3	176.2	165.2
28	156.1	158.2	156.9	151.5	164.8	.....	193.3	207.5	206.3	192.2	173.9	164.2
29	155.5	.....	156.4	150.6	165.6	.....	193.5	207.4	205.9	190.8	173.3	164.6
30	149.7	.....	156.1	149.3	166.4	189.4	193.5	207.5	205.9	191.0	172.4	164.4
31	149.9	.....	155.1	.....	166.0	.....	.....	208.0	.....	189.9	.....	163.4

EB-29. Esso Standard Oil Co. Louisiana Division. Irregular sec. 43, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 665 feet, screen at 334-434 and 503-665. Land-surface datum is 65.67 feet above msl. Highest water level 107.6 below lsd, Mar. 7, 1946; lowest 234.5 below lsd, Aug. 22-23, 1948. Records available: 1944-51.

EB-20--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	152.2	150.7	.....	147.1	141.0	170.1	200.0	208.5	219.6	214.8	.....	168.5
2	153.3	148.2	.....	147.4	142.6	167.8	201.0	211.1	221.2	213.1	.....	166.8
3	153.4	152.8	.....	148.4	142.7	167.6	200.3	213.7	219.5	213.8	.....	166.3
4	153.3	153.8	.....	148.6	143.9	168.3	200.7	213.5	220.3	209.5	.....	164.2
5	153.0	152.7	.....	147.2	147.3	169.0	201.2	214.0	220.8	207.6	.....	163.0
6	154.1	152.8	.....	146.7	148.3	171.7	200.6	216.0	220.8	205.7	.....	161.9
7	152.0	151.6	.....	145.3	149.3	172.8	202.5	214.4	221.8	204.4	.....	161.5
8	153.5	150.9	.....	146.0	149.5	176.1	202.5	.....	222.5	203.6	.....	161.7
9	152.6	150.0	153.7	145.5	148.4	176.4	201.0	215.3	224.5	204.5	182.2	162.7
10	151.9	149.5	152.8	145.9	150.4	175.3	201.1	215.3	225.1	202.3	.....	160.9
11	151.9	.....	152.3	145.4	152.5	180.3	200.9	215.9	225.2	201.5	.....	160.2
12	150.3	.....	151.2	145.4	151.6	180.2	202.2	215.9	221.6	199.7	.....	160.3
13	149.1	146.6	154.0	145.4	153.6	182.7	204.4	218.9	221.3	199.5	.....	159.3
14	148.4	147.3	154.1	144.8	153.7	184.5	202.0	219.2	219.7	200.1	.....	158.2
15	146.5	149.1	156.3	145.0	153.5	185.8	200.5	218.5	220.4	198.4	.....	157.5
16	147.4	151.2	155.6	144.3	154.4	189.4	200.5	221.4	219.8	198.3	180.9	159.0
17	149.3	150.4	154.6	144.9	156.9	189.3	202.3	219.7	218.2	200.4	180.4	157.9
18	147.9	149.9	153.1	145.8	156.6	189.9	201.0	219.0	218.7	201.6	179.8	156.8
19	148.2	149.2	152.0	144.6	155.8	190.4	199.9	219.1	217.3	203.2	178.7	159.7
20	.....	148.6	151.8	144.8	156.4	191.3	200.5	218.8	217.4	202.5	181.6	157.7
21	.....	147.8	151.2	146.1	155.8	188.6	201.0	221.3	217.8	202.2	179.6	156.6
22	147.3	147.3	.....	147.3	154.7	189.6	200.8	221.9	216.0	201.9	178.1	156.5
23	145.7	.....	151.0	146.1	154.4	191.3	200.6	219.2	214.7	201.3	176.4	156.0
24	144.7	.....	150.3	145.3	153.7	190.8	200.7	218.7	213.8	200.2	173.7	154.7
25	144.0	.....	149.0	146.8	159.0	192.4	201.8	218.0	214.5	199.7	171.8	152.8
26	143.4	.....	148.5	149.8	156.2	192.9	201.2	219.3	214.9	199.5	170.2	152.1
27	143.0	.....	148.9	146.2	159.8	197.1	202.5	219.6	215.2	198.3	171.0	152.6
28	141.7	.....	149.0	144.9	160.8	197.0	202.6	218.5	215.1	197.3	167.3	156.1
29	143.5	.....	148.0	143.9	161.6	198.9	202.5	219.0	214.8	194.9	168.4	157.6
30	146.0	.....	148.3	141.8	164.6	197.9	202.5	219.0	215.3	195.6	168.5	157.9
31	147.8	.....	147.0	.....	166.1	.....	208.8	220.9	.....	194.0	.....	155.3

EB-22. Esso Standard Oil Co., Louisiana Division. At Baton Rouge refinery, southwest of tank 784. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 686 feet, screen at 304-424 and 506-686. Highest water level 106.4 below lsd, Mar. 12, 1946; lowest 222.0 below lsd, Sept. 5, 1948. Records available: 1940-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	163.8	155.0	.....	148.0	140.5	168.9	193.3	.....	.....	205.6	195.2	170.9
2	162.7	154.0	.....	147.5	142.1	168.6	193.5	.....	.....	206.4	.....	169.6
3	162.6	155.8	.....	146.0	143.4	168.7	196.2	.....	.....	206.6	193.0	171.8
4	159.8	155.6	.....	145.5	144.4	169.3	194.4	.....	.....	207.3	192.4	171.8
5	159.7	155.7	.....	147.0	145.7	170.1	195.2	.....	211.9	209.1	190.7	171.6
6	160.4	155.5	.....	.....	146.8	174.8	197.5	.....	.....	208.3	188.3	170.5
7	160.5	153.5	.....	.....	147.2	176.5	198.5	.....	.....	207.0	187.1	171.2
8	161.2	159.3	.....	.....	147.8	177.5	198.1	.....	.....	205.2	186.2	171.7
9	160.2	158.3	155.1	.....	147.7	178.2	198.7	205.5	.....	203.9	185.0	171.5
10	159.9	156.3	154.3	.....	149.5	178.9	198.2	205.3	.....	203.0	184.3	170.7
11	159.5	152.4	154.0	.....	.....	181.5	198.5	.....	.....	203.2	182.0	170.4
12	159.0	153.8	152.8	146.9	149.5	181.5	199.2	.....	.....	201.7	181.4	169.0
13	158.1	.....	154.3	.....	150.8	183.6	200.4	.....	210.4	200.6	180.9	177.5
14	155.0	154.2	.....	.....	151.5	182.6	199.0	.....	209.6	202.0	181.4	165.9
15	154.0	154.6	157.5	.....	151.5	182.4	198.8	.....	210.1	199.8	181.5	165.8
16	154.3	.....	156.6	.....	153.7	183.6	199.0	.....	210.5	202.0	181.2	169.1
17	155.2	155.8	155.6	.....	155.7	184.1	199.5	.....	210.2	203.1	181.5	169.1
18	155.2	155.9	.....	.....	.....	184.5	198.0	.....	215.3	203.3	181.9	169.4
19	155.9	155.8	.....	144.0	162.5	185.0	198.1	.....	214.7	203.1	182.0	170.4
20	.....	156.4	.....	.....	164.2	186.0	199.0	.....	214.4	202.8	182.0	170.0
21	.....	.....	.....	145.1	164.2	185.7	199.5	.....	210.4	201.8	181.9	.....
22	150.8	.....	.....	.....	163.9	186.8	.....	210.6	210.2	203.5	181.8	.....
23	152.7	.....	.....	145.2	164.2	187.3	.....	.....	209.4	203.8	181.0	.....
24	152.3	.....	152.1	144.5	163.9	187.5	.....	.....	209.2	203.7	179.6	.....
25	152.4	.....	151.6	145.2	165.6	188.0	.....	.....	207.8	202.9	177.7	.....
26	150.1	.....	151.1	147.0	164.8	189.7	.....	.....	.....	200.8	177.1	.....
27	149.1	.....	151.0	.....	163.2	191.3	.....	.....	.....	197.5	175.1	167.9
28	149.2	.....	150.8	143.6	162.9	190.6	.....	.....	205.2	194.7	174.7	.....
29	150.2	.....	150.4	142.6	163.4	193.5	.....	.....	204.7	194.1	172.7	.....
30	150.0	.....	149.2	141.7	164.0	192.6	.....	.....	204.9	197.1	171.7	.....
31	151.4	.....	148.6	.....	167.0	.....	.....	.....	.....	194.6	.....	.....

EB-28. Esso Standard Oil Co., Louisiana Division. At Baton Rouge refinery, southwest of tank 177. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 1,608 feet, screen at 1,201-1,280 and 1,500-1,600. Highest water level 0.5 above lsd, May 1, 1945; lowest 40.92 below lsd, Aug. 30, 1951. Records available: 1944-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.6	30.7	30.1	29.8	30.2	34.0	38.0	38.8	40.5	38.9	39.4	35.8
2	32.6	31.8	30.2	29.6	30.3	34.4	37.9	38.9	40.4	38.8	....	35.8
3	32.4	32.8	30.4	29.5	30.3	34.6	38.1	38.9	40.4	38.9	39.2	35.6
4	32.3	34.1	30.5	29.6	30.3	34.6	38.3	39.0	40.6	38.9	39.1	35.5
5	32.4	34.1	30.5	29.7	30.4	34.8	38.4	39.0	40.6	39.0	38.8	35.4
6	32.3	33.5	30.5	29.7	30.4	34.7	38.6	39.0	40.6	39.1	38.7	35.4
7	32.3	33.0	30.4	29.6	30.5	34.9	....	39.0	40.5	39.1	....	35.5
8	32.3	33.0	30.3	29.6	30.6	35.4	....	39.3	40.1	39.0	....	35.5
9	32.3	32.8	30.2	29.6	30.6	35.8	....	39.5	....	39.0	37.4	35.6
10	32.1	32.5	30.2	29.6	30.5	36.0	....	39.6	....	38.9	37.3	35.5
11	32.0	32.3	30.2	29.6	30.4	36.1	38.5	39.8	40.2	38.9	37.3	35.4
12	31.8	31.9	30.2	29.6	30.4	36.4	38.6	39.9	40.1	39.0	37.2	35.4
13	31.7	31.8	30.1	29.6	30.4	36.6	38.7	....	39.9	....	....	35.4
14	31.4	31.8	30.0	29.6	30.4	36.6	38.6	....	39.8	....	....	35.4
15	31.1	31.6	30.0	29.6	30.6	36.4	38.6	40.1	39.7	....	....	35.4
16	31.1	31.5	29.9	29.7	30.6	36.2	38.6	40.4	39.6	....	36.7	35.5
17	31.1	31.5	29.9	29.8	30.7	36.1	38.7	40.5	39.3	....	36.7	35.8
18	31.0	31.4	29.8	29.8	30.9	35.7	38.9	40.4	39.4	38.7	36.7	35.8
19	31.0	....	29.7	29.7	31.2	35.9	39.0	40.4	39.4	38.6	36.6	35.7
20	....	....	....	29.7	31.6	36.3	38.9	40.3	39.4	38.7	36.3	35.4
21	....	....	....	29.7	31.8	36.7	38.9	40.2	39.5	38.6	36.1	35.3
22	30.8	....	....	29.7	32.1	36.9	38.9	40.3	39.4	38.5	36.1	35.4
23	30.6	31.0	29.9	29.7	32.4	37.2	38.9	40.4	39.1	38.6	36.1	35.5
24	30.6	30.8	29.9	29.7	32.6	37.4	38.9	40.5	39.1	38.5	....	35.3
25	30.7	30.6	29.9	29.8	32.6	37.5	38.8	40.6	39.2	39.1	....	35.2
26	30.9	30.3	29.9	29.9	32.7	37.8	38.9	40.7	39.0	39.0	....	35.0
27	30.8	30.2	29.8	29.9	33.1	37.8	38.9	40.6	38.9	39.2	....	35.1
28	30.8	30.1	29.6	30.1	33.3	37.9	38.9	40.6	38.9	39.5	....	35.3
29	30.6	....	29.5	30.1	33.4	37.9	....	40.8	38.9	39.6	35.9	35.2
30	30.4	....	29.7	30.1	33.5	38.0	....	40.9	38.9	39.8	35.9	35.1
31	30.5	....	29.7	....	33.8	....	38.7	40.8	....	39.7	....	34.9

EB-89. Baton Rouge Water Works Co. well 3. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 1,612 feet, screen at 1,510-1,610. Highest water level 8.1 above lsd, Feb. 23, 1943; lowest 48.83 below lsd, June 22, 1950. Records available: 1943-50. Measurement discontinued.

EB-90. Baton Rouge Water Works Co. well 8. Lula Avenue Pumping Station. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 2,125 feet, screen at 2,025 to 2,120. Highest water level 12.7 above lsd, Feb. 23, 1943; lowest 40.71 below lsd, Sept. 12, 1951. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25	25.29	Aug. 1	33.13	Sept. 28	35.25	Nov. 21	31.17
May 24	25.47	8	32.69	Oct. 4	33.50	28	30.02
June 1	27.58	15	36.30	11	32.00	Dec. 6	28.45
15	27.72	22	36.57	18	34.42	13	27.58
22	28.55	29	38.29	25	32.15	20	26.94
July 11	30.20	Sept. 5	38.91	Nov. 2	30.23	27	25.54
18	32.73	12	40.71	16	32.34		

EB-117. Westdale Country Club. 50 feet southeast of swimming pool. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 1,402 feet, screen at 1,321-1,402. Highest water level 0.84 below lsd, Mar. 28, 1949; lowest 11.29 below lsd, Sept. 12, 1951. Records available: 1948-51.

Jan.	5	8.17	Apr. 12	4.95	July 18	9.43	Oct. 11	11.22
12	7.91		19	4.92	25	9.73	18	11.21
22	7.58		26	4.91	Aug. 1	9.87	25	11.16
Feb. 2	7.15		May 3	4.79	9	10.09	Nov. 2	11.06
9	7.71		10	4.86	15	10.43	16	10.37
16	7.26		17	4.92	22	10.59	21	10.75
23	7.04		28	5.96	29	11.02	28	10.44
Mar. 3	6.66		June 8	7.24	Sept. 5	11.37	Dec. 6	10.14
9	6.35		15	7.87	12	11.29	13	10.08
25	5.53		22	8.28	28	11.05	20	9.93
29	5.23		July 11	9.16	Oct. 4	11.05	27	9.86
Apr. 5	5.10							

EB-125. People's Ice and Fuel Co. Baton Rouge, 1931 Railroad Ave. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 744 feet, screen at 663-744. Highest water level 68.85 below lsd, Jan. 28, 1947; lowest 153.47 below lsd, Aug. 28, 1948. Records available: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	81.53	June 15	120.50	Aug. 29	142.30	Nov. 2	113.53
22	78.52	22	125.48	Sept. 5	143.34	16	114.39
Feb. 2	75.85	July 11	132.77	12	144.79	21	106.28
9	76.60	18	132.73	28	143.62	28	102.62
Mar. 2	75.18	Aug. 1	134.60	Oct. 4	141.22	Dec. 6	99.68
Apr. 17	110.93	9	135.68	11	141.36	13	93.48
26	107.57	15	138.09	18	118.34	20	89.18
May 28	111.42	22	140.55	25	115.50	27	86.29
June 1	113.73						

EB-128. Ice Service Co. In Baton Rouge, at 135 So. 15th Street. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 412 feet. Highest water level 67.9 below lsd, Mar. 14-18, 24-27, 1946; lowest 117.1 below lsd, Oct. 7-8, 1949. Records available: 1940-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	89.7	83.8	81.9	81.9	80.6	....	....	104.1	....	....	....	....
2	89.4	83.8	81.9	81.7	80.7	85.7	....	104.2	....	....	h109.56	....
3	....	83.7	81.9	81.7	80.7	85.8	....	104.4	....	....	....	....
4	....	....	81.8	81.6	80.8	85.9	....	104.5	....	....	....	....
5	....	....	81.8	81.5	80.8	85.9	....	104.7	....	....	....	....
6	....	....	81.9	81.5	80.8	86.1	....	104.9	....	....	....	h100.83
7	....	....	81.9	81.4	80.8	86.3	....	105.0	....	....	....	....
8	....	....	81.9	81.4	80.9	....	....	....	....	....	....	....
9	....	....	81.9	81.3	81.0	87.1	....	106.5	....	....	....	....
10	....	83.9	82.0	81.2	81.1	87.4	....	106.8	....	....	....	....
11	....	83.8	81.9	81.2	81.3	87.7	....	107.1	....	....	....	....
12	87.9	83.7	81.9	....	81.6	88.1	....	107.3	....	....	....	....
13	87.7	83.6	82.0	81.2	81.8	88.7	....	107.6	....	....	....	h98.93
14	87.4	83.5	82.0	81.2	82.0	89.1	....	107.7	....	....	....	....
15	87.1	83.4	82.0	81.1	82.2	89.4	....	108.3	....	....	....	....
16	86.9	83.3	....	81.1	82.4	90.0	....	....	....	....	h109.94	....
17	86.5	83.1	....	81.0	82.6	90.4	....	....	....	....	....	....
18	86.2	83.0	....	80.9	82.8	90.9	....	....	....	....	....	....
19	86.0	82.9	....	80.9	83.0	91.3	....	....	....	....	....	....
20	....	82.7	....	80.8	83.2	91.9	....	....	....	....	....	h97.49
21	....	82.7	....	80.8	83.3	92.3	....	....	....	....	h105.26	....
22	....	82.7	82.3	80.7	83.4	92.8	....	....	....	....	....	....
23	....	....	82.3	80.6	83.5	93.5	....	....	....	....	....	....
24	....	82.4	82.3	80.6	83.7	94.0	....	....	....	....	....	....
25	....	82.3	82.3	80.6	83.7	94.4	....	....	h10.12	....	....	....
26	....	82.1	82.1	80.6	84.0	94.8	103.2	....	....	....	....	....
27	84.5	82.0	82.0	80.6	84.3	95.2	103.4	....	....	....	....	h95.62
28	84.4	81.9	81.9	80.6	84.7	95.7	103.5	....	....	....	h103.13	....
29	84.2	....	....	80.6	85.0	96.2	103.7	....	....	....	....	....
30	84.0	....	....	80.6	85.4	....	103.8	....	....	....	....	....
31	83.8	....	....	....	85.5	....	104.0	....	....	....	....	....

h Tape measurement.

EB-160. Southern University Blind Institute. Scotlandville. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,014 feet, screen at 974-1,014. Highest water level 11.14 below lsd, Jan. 25, 1950; lowest 20.87 below lsd, Sept. 5, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	17.02	Apr. 19	13.44	July 25	16.91	Oct. 18	19.49
12	16.29	26	13.45	Aug. 1	17.15	25	19.14
22	15.04	May 3	13.76	8	17.53	Nov. 2	18.72
Feb. 2	14.92	10	13.83	15	18.84	9	18.20
9	15.37	17	14.37	22	19.13	16	17.79
16	14.75	24	14.97	29	19.36	21	17.58
23	14.44	June 1	15.22	Sept. 5	20.87	28	16.96
Mar. 2	13.85	8	15.69	12	19.54	Dec. 6	16.52
9	13.71	15	15.57	28	19.37	13	15.78
29	13.57	22	16.29	Oct. 4	19.59	20	15.23
Apr. 5	13.76	July 11	16.42	11	19.97	27	15.18
12	13.71	18	16.65				

EB-283. Town of Zachary. Water plant. Drilled public-supply artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,800 feet. Highest water level 26.85 above lsd, Aug. 18, 1943; lowest 2.7 above lsd, Sept. 14, 1950 and July 3, 1951. Records available: 1943-47, 1950-51. July 3, +2.7. Measurement discontinued.

EB-289. Baton Rouge Water Works Co. Formerly Istrouma Water Co. Irregular sec. 50, T. 6 S., R. 1 W., 60 feet west of Highway 61-65. Drilled public-supply well, diameter 4 inches, depth 1,404 feet. Highest water level 15.78 below lsd, Feb. 1, 1950; lowest 26.49 below lsd, Aug. 29, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	16.73	Apr. 19	15.78	July 25	25.23	Oct. 18	24.14
12	16.18	26	16.00	Aug. 1	24.29	25	24.22
22	15.26	May 3	16.08	8	24.93	Nov. 2	24.24
Feb. 2	17.19	10	15.85	15	25.81	9	23.62
9	17.99	17	17.34	22	25.10	16	22.66
16	17.83	24	17.94	29	26.49	21	23.10
23	17.20	June 1	20.59	Sept. 5	26.22	28	22.99
Mar. 2	16.59	8	22.19	12	25.32	Dec. 6	22.37
9	16.44	15	22.91	28	23.23	13	22.16
29	15.35	22	25.07	Oct. 4	24.26	20	22.29
Apr. 5	15.51	July 11	24.34	11	22.61	27	21.75
12	15.62	18	24.89				

EB-293. Consolidated Chemical Industries Inc. Sec. 37, T. 6 S., R. 1 W., in pumphouse at plant. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 6 inches, depth 606 feet, screen at 540-600. Highest water level 81.1 below lsd, Mar. 8, 1946; lowest 196.7 below lsd, Sept. 6, 1948. Records available: 1944-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	115.2	109.3	109.1	110.2	106.9	113.6	.....	173.0	187.3	175.0	.....	139.4
2	115.2	111.2	109.3	110.3	107.9	.....	.....	174.3	187.5	.....	.....	139.0
3	115.3	111.5	110.2	110.4	108.3	.....	.....	174.7	187.8	.....	.....	138.6
4	115.5	112.4	110.6	110.7	109.9	.....	.....	177.0	187.9	.....	.....	138.1
5	115.6	112.8	110.7	110.4	112.0	.....	.....	178.2	187.7	.....	.....	137.4
6	115.8	113.8	110.9	110.7	113.2	.....	.....	178.4	188.2	.....	.....	136.8
7	115.0	113.6	110.7	110.2	114.2	.....	.....	178.4	188.3	.....	.....	.....
8	114.7	113.4	111.3	110.1	115.2	.....	.....	178.4	189.3	.....	.....	.....
9	114.4	112.6	111.6	109.7	115.7	138.9	.....	178.6	189.2	.....	.....	.....
10	114.0	111.7	112.3	109.6	116.3	140.5	.....	179.0	190.2	.....	.....	.....
11	113.7	110.8	112.3	109.3	117.0	143.8	173.6	179.3	190.0	.....	.....	.....
12	113.0	110.2	112.0	109.2	117.7	145.0	.....	179.4	187.1	.....	.....	.....
13	112.3	109.4	112.3	109.1	118.2	147.6	.....	180.8	186.1	.....	.....	132.6
14	111.6	109.0	114.1	108.8	118.8	149.8	.....	182.2	185.3	.....	.....	132.2
15	110.9	108.8	114.6	108.7	119.1	151.5	.....	181.7	184.0	.....	.....	132.0
16	110.6	109.3	115.3	108.4	119.3	153.0	.....	183.0	183.6	.....	.....	132.0
17	110.4	109.9	114.7	108.6	120.2	154.7	.....	182.8	182.4	.....	.....	131.7
18	110.3	109.8	114.5	108.6	120.8	156.0	.....	182.5	180.8	.....	.....	131.2
19	110.2	109.8	113.9	108.6	120.8	157.6	168.1	182.4	180.1	.....	.....	131.0
20	110.3	109.7	113.2	108.4	120.6	158.8	168.2	182.9	178.5	.....	.....	130.7
21	110.5	110.0	112.7	108.6	120.7	159.4	168.4	184.5	177.7	.....	145.8	129.5
22	110.2	108.9	112.3	108.8	120.3	160.2	168.4	184.8	177.2	.....	145.6	129.3
23	109.8	108.8	111.8	109.2	119.8	161.2	167.8	184.9	176.0	.....	144.7	129.2
24	109.5	108.3	111.8	109.3	119.7	161.8	167.3	185.2	174.8	.....	144.5	129.0
25	109.3	107.7	111.5	109.8	119.7	.....	167.2	185.6	172.4	162.56	143.2	.....
26	108.3	107.1	111.0	110.2	119.3	.....	167.5	185.9	172.2	.....	142.0	.....
27	108.2	107.5	110.7	109.9	118.8	.....	167.5	186.2	172.5	.....	141.4	126.5
28	108.4	108.2	110.5	108.9	117.9	.....	167.4	186.0	172.9	.....	140.5	126.5
29	109.2	.....	110.3	108.0	117.2	.....	167.4	186.4	173.5	.....	140.0	126.7
30	109.4	.....	110.8	107.3	116.7	.....	167.4	186.4	174.2	.....	139.6	127.1
31	109.9	.....	110.5	.....	115.2	.....	167.9	187.0	.....	.....	.....	127.6

h Tape measurement.

EB-302. H. A. Bozeman. NW. corner sec. 3, T. 7 S., R. 2 E., 3.5 miles east of intersection of U. S. Highway 61 and 190, on south side of Highway 190. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 1,340 feet, screen at 1,320-1,340. Highest water level 33.1 above lsd, Feb. 24, 1943; lowest 10.95 above lsd, July 3, 1951. Records available: 1943-44, 1946-51. July 3, +10.95.



EB-303. Greenwell Springs Sanitarium. E  $\frac{1}{2}$  sec. 49, T. 5 S., R. 2 E., on Amite River, east side of State Highway 37, 60 feet northwest of water tower. Drilled public-supply artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,189 feet, screen at 1,145-1,185. Land-surface datum is 66.76 feet above msl. Highest water level 26.0 above lsd, June 2, 1943; lowest 2.0 above lsd, Nov. 2, 1949. Records available: 1943-47, 1949-51. July 3, +11.00.

EB-304. Greenwell Springs Sanitarium. Sec. 49, T. 5 S., R. 2 E., on Amite River, east side of State Highway 37, 60 feet northwest of water tower. Drilled public-supply artesian well in sand, diameter 6 inches, depth 1,738 feet, screen at 1,698-1,738. Highest water level 71.5 above lsd, Feb. 24, 1943; lowest 40.5 above lsd, Nov. 2, 1949. Records available: 1943-47, 1949-51. July 3, +52.3.

EB-306. A. Wickenstad. NW  $\frac{1}{4}$  sec. 66, T. 6 S., R. 1 E. Highest water level 20.1 above lsd, Nov. 20, 1943; lowest 0.1 below lsd, Nov. 2, 1949. Records available: 1943-50. Measurement discontinued.

EB-312. Johnny Ross. Formerly Baton Rouge Water Works Co. North Highlands Sub-division, Baton Rouge. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to 2  $\frac{1}{2}$  inches, depth 1,370 feet. Land-surface datum is 50.20 feet above msl. Highest water level 19.6 above lsd, Feb. 23, 1943; lowest 23.97 below lsd, July 18, 1951. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	13.90	Apr. 5	11.20	July 18	23.97	Oct. 11	19.54
12	13.63	12	11.78	25	23.14	18	20.23
22	12.99	19	11.88	Aug. 1	22.62	25	20.65
29	12.56	26	12.01	8	23.22	Nov. 2	20.72
Feb. 2	16.68	May 3	12.17	15	23.51	16	19.40
9	15.75	10	12.04	22	23.42	21	19.21
16	14.36	17	12.47	29	24.19	28	18.97
23	13.68	24	15.66	Sept. 5	23.33	Dec. 6	18.52
Mar. 2	13.33	June 1	18.83	12	22.01	13	18.65
9	13.10	8	20.99	28	20.28	20	18.87
25	11.93	15	20.98	Oct. 4	20.03	27	18.93
29	11.69	22	21.28				

EB-315. E. J. Morgan. Center of sec. 93, T. 6 S., R. 1 E., in Zion City. Drilled unused artesian well in sand, diameter 3 inches, depth 1,960 feet, screen at 1,920-1,960. Highest water level 22.9 above lsd, Feb. 25, 1943; lowest 20.25 below lsd, Sept. 20, 1948. Records available: 1943-51.

Jan. 5	5.93	Apr. 5	5.87	June 15	6.70	Oct. 18	17.16
12	6.25	12	5.56	July 18	10.73	25	12.46
22	5.76	19	5.05	Aug. 1	12.30	Nov. 2	10.65
Feb. 2	5.05	26	6.25	8	11.69	16	12.12
9	6.70	May 3	5.48	15	13.42	21	11.42
16	6.52	10	5.51	22	14.84	28	10.23
23	6.58	17	5.38	29	15.02	Dec. 6	9.20
Mar. 2	6.47	24	5.50	Sept. 5	15.57	13	8.65
9	6.79	June 1	6.21	12	18.78	20	8.08
25	6.36	8	6.47	28	14.61	27	7.75
29	5.69						

EB-317. H. H. Edwards. SW  $\frac{1}{4}$  sec. 6, T. 6 S., R. 2 E., on east side of Joor road, 0.25 mile north of Comite River. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 1,176 feet, screen at 1,116-1,176. Land-surface datum is 63.29 feet above msl. Highest water level 23.7 above lsd, Feb. 24, 1943; lowest 2.5 above lsd, Sept. 14, 1950 and July 3, 1951. Records available: 1943-51. July 3, +2.5.

EB 318. Tom Morgan. North side sec. 24, T. 6 S., R. 1 E., west side of Joor road, 0.25 mile north of Comite River. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 1,277 feet. Land-surface datum is 58.77 feet above msl. Highest water level 25.3 above lsd, Feb. 24, 1943; lowest 2.8 above lsd, July 3, 1951. Records available: 1943-46, 1948-51. July 3, +2.8.

EB-322. T. E. Charlton. SE  $\frac{1}{4}$  sec. 29, T. 5 S., R. 1 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2  $\frac{1}{2}$  to 2 inches, depth 1,970 feet, screen at 1,930-1,970. Highest water level 59.5 above lsd, May 20, 1943; lowest 37.5 above lsd, July 3, 1951. Records available: 1943-51. July 3, +37.5.

EB-323. Standard Ice Box Co. On west side of sec. 42, T. 6 S., R. 1 W., between Third St. extension and Illinois Central Railroad. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,317 feet, screen at 1,296-1,317. Highest water level 8.0 above lsd, June 3, 1943; lowest 24.55 below lsd, Dec. 6, 1951. Records available: 1943-44, 1946-51.

## EB-323--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	17.15	Apr. 5	13.21	July 6	17.60	Oct. 11	23.51
12	15.94	12	13.18	18	17.90	18	22.55
22	14.28	19	12.95	25	18.00	25	21.96
29	14.23	26	13.05	Aug. 1	18.53	Nov. 2	21.48
Feb. 2	14.35	May 3	13.60	8	18.95	9	23.82
9	14.67	10	13.90	15	22.15	16	22.79
16	14.27	17	14.37	22	22.24	21	22.12
23	13.77	24	14.81	29	22.22	28	23.19
Mar. 2	13.51	June 1	15.12	Sept. 5	22.30	Dec. 6	24.55
9	13.23	8	15.89	12	22.50	13	24.07
22	13.16	15	16.52	28	22.60	20	23.57
29	13.08	22	16.48	Oct. 4	22.90	27	23.74

EB-468. A. M. Holden. E $\frac{1}{2}$  sec. 53, T. 5 S., R. 1 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 2,430 feet, screen at 2,342-2,430. Highest water level 64.7 above lsd, May 13, 1948; lowest 60.6 above lsd, Mar. 17, 1950. Records available: 1948-51. July 3, +61.7.

EB-469. A. M. Holden. E $\frac{1}{2}$  sec. 53, T. 5 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 920 feet. Highest water level 5.26 below lsd, Mar. 15, 1948; lowest 15.17 below lsd, Oct. 18, 1951. Records available: 1948-51.

Jan. 5	13.11	Apr. 19	10.80	July 18	12.56	Oct. 18	15.17
12	12.92	26	11.15	25	12.65	25	15.11
22	12.74	May 3	10.71	Aug. 1	12.70	Nov. 2	14.76
Feb. 2	12.25	10	10.43	15	13.42	9	14.67
16	12.12	17	10.66	22	13.83	16	14.48
23	11.96	24	10.83	29	14.23	21	14.46
Mar. 2	11.59	June 1	11.13	Sept. 5	14.27	28	14.19
9	11.38	8	11.45	12	14.56	Dec. 6	13.78
29	10.53	15	11.69	28	14.68	13	13.50
Apr. 5	11.30	22	12.00	Oct. 4	14.71	20	13.01
12	10.84	July 11	12.38	11	14.97	27	12.66

EB-474. U. S. Geol. Survey. On Watson farm, sec. 57, T. 5 S., R. 2 E. Drilled observation artesian well in sand of Pleistocene age, diameter 6 inches, depth 58 feet. Land-surface datum is 80.01 feet above msl. Highest water level 9.09 below lsd, May 8, 1949; lowest 13.08 below lsd, Dec. 6, 1951. Records available: 1948-51.

Jan. 5	12.62	May 10	10.70	July 11	11.47	Oct. 11	12.76
Feb. 2	11.16	June 15	11.38	Aug. 15	12.02	Nov. 9	12.91
Mar. 9	11.04	July 3	11.54	Sept. 12	12.40	Dec. 6	13.08
Apr. 5	10.39						

## Evangeline Parish

Ev-1. John LaHaye. SW $\frac{1}{4}$  sec. 20, T. 4 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 210 feet, screen at 130-210. Land-surface datum is 70.25 feet above msl. Highest water level 38.51 below lsd, Jan. 21, 1943; lowest 97.38 below lsd, July 16, 1951. Records available: 1939-51.

Jan. 2	61.13	Mar. 19	57.88	May 28	86.10	Aug. 21	89.39
9	61.04	26	57.68	June 4	90.01	28	93.09
22	60.30	Apr. 3	57.33	11	94.08	Sept. 4	83.94
29	59.87	9	57.00	19	87.89	11	83.90
Feb. 5	59.55	16	56.88	29	95.42	18	80.65
12	59.24	23	56.86	July 2	96.49	Oct. 2	77.48
19	58.90	May 2	64.35	9	95.31	9	76.87
26	58.65	7	77.43	16	97.38	16	76.36
Mar. 5	58.39	14	76.97	Aug. 7	92.60	24	75.66
12	58.13	21	86.06	14	94.05	30	74.84

Ev-2. John Reed. North line sec. 37, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 200 feet. Land-surface datum is 58.15 feet above msl. Highest water level 42.30 below lsd, Jan. 21, 1943; lowest 115.06 below lsd, July 25, 1951. Records available: 1939-51.

## Ev-2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	67.59	Mar. 26	63.23	June 19	102.59	Aug. 28	103.21
15	66.75	Apr. 3	62.92	29	106.18	Sept. 5	101.62
22	66.37	9	62.52	July 2	105.29	11	97.49
29	65.93	16	62.56	9	107.00	20	94.04
Feb. 12	65.18	23	63.41	16	113.38	25	92.88
19	64.74	May 2	75.31	25	115.06	Oct. 2	91.04
26	64.42	8	83.30	31	111.78	9	89.85
Mar. 5	64.00	14	91.10	Aug. 7	108.76	16	88.52
12	64.69	21	101.19	14	108.15	24	87.26
19	63.37	28	106.16	21	107.93	30	86.47

Ev-3. State of Louisiana. Formerly Civilian Conservation Corps Camp. SE $\frac{1}{4}$  sec. 33, T 2 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 3 inches, depth 199 feet. Land-surface datum is 75.27 feet above msl. Highest water level 30.92 below lsd, Mar. 12, 1946; lowest 35.6 below lsd, Nov. 28-Dec. 8, 1951. Records available: 1944-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	33.8	33.9	33.9	34.2	34.5	34.8	35.0	35.2	35.4	35.6
2	....	....	33.8	33.9	33.9	34.2	34.5	34.8	35.0	35.2	35.4	35.6
3	....	....	33.8	33.9	33.9	34.2	34.5	34.8	35.0	35.2	35.4	35.6
4	....	....	33.8	33.9	33.9	34.2	34.6	34.8	35.0	35.3	35.4	35.6
5	....	....	....	33.9	33.9	34.3	34.6	34.8	35.1	35.3	35.4	35.6
6	....	34.0	....	33.8	33.9	34.3	34.6	34.8	35.1	35.3	35.4	35.6
7	....	34.1	....	33.8	34.0	34.3	34.6	34.8	35.1	35.3	35.5	35.6
8	....	34.1	....	33.8	34.0	34.4	34.6	34.8	35.1	35.3	35.5	35.6
9	....	34.0	....	33.8	34.0	34.4	34.6	34.9	35.1	35.3	35.5	35.5
10	....	34.0	....	33.8	34.0	34.4	34.6	34.9	35.1	35.3	35.5	35.5
11	....	34.0	....	33.8	34.0	34.4	34.7	34.9	35.1	35.3	35.5	35.5
12	....	33.9	....	33.8	34.0	34.4	34.7	34.9	35.2	35.3	35.5	35.5
13	....	33.9	....	33.8	34.0	34.4	34.7	34.9	35.2	35.3	35.5	35.5
14	....	33.9	33.9	33.8	34.0	34.4	34.7	34.9	35.2	35.3	35.5	35.5
15	....	33.9	33.9	33.8	34.0	34.4	34.7	34.9	35.2	35.3	35.5	35.5
16	....	33.9	33.9	33.8	34.0	34.4	34.7	34.9	35.2	35.3	35.5	35.5
17	....	33.9	33.9	33.8	34.1	34.4	34.7	34.9	35.2	35.3	35.5	35.5
18	....	33.8	33.9	33.8	34.1	34.5	34.7	34.9	35.2	35.3	35.5	35.5
19	....	33.8	33.9	33.8	34.1	34.5	34.7	34.9	35.2	35.4	35.5	35.5
20	....	33.8	33.9	33.8	34.1	34.5	34.7	34.9	35.2	35.4	35.5	35.4
21	....	33.9	33.9	33.8	34.1	34.5	34.7	34.9	35.2	35.4	35.5	35.5
22	....	33.9	33.9	33.8	34.1	34.5	34.7	34.9	35.2	35.4	35.5	35.5
23	....	33.9	33.9	33.9	34.1	34.5	34.7	34.9	35.2	35.4	35.5	35.5
24	....	33.9	33.9	33.9	34.1	34.5	34.7	35.0	35.2	35.4	35.5	35.5
25	....	33.8	33.9	33.9	34.1	34.5	34.7	35.0	35.1	35.4	35.5	35.5
26	....	33.8	33.9	33.9	34.1	34.5	34.7	35.0	35.1	35.4	35.5	35.5
27	....	33.8	33.9	33.9	34.2	34.5	34.7	35.0	35.2	35.4	35.5	35.5
28	....	33.8	33.8	33.9	34.2	34.5	34.8	35.0	35.2	35.4	35.6	35.4
29	....	....	33.8	33.9	34.2	34.5	34.8	35.0	35.2	35.4	35.6	35.4
30	....	....	33.9	33.9	34.2	34.5	34.8	35.0	35.2	35.4	35.6	35.4
31	....	....	33.9	....	34.2	....	34.8	35.0	....	35.4	....	35.4

Ev-7. C. Morein. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 4 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 75.54 feet above msl. Highest water level 67.50 below lsd, Apr. 21, 1950; lowest 79.81 below lsd, May 19, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	70.23	Jan. 22	69.92	Feb. 12	69.50	Mar. 5	69.03
8	70.27	29	69.66	19	68.29	Sept. 18	78.79
15	69.98	Feb. 5	69.72	26	69.18		

Ev-14. J. Perrodin. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T. 6 S., R. 2 W. Highest water level 43.24 below lsd, Apr. 18, 1946; lowest 75.51 below lsd, June 26, 1949. Records available: 1944-50. Measurement discontinued.

Ev-18. Alphonse LeFleur. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, T. 6 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 275 feet. Land-surface datum is 44.70 feet above msl. Highest water level 33.81 below lsd, Apr. 22, 1944; lowest 69.05 below lsd, Sept. 19, 1951. Records available: 1944-51. Mar. 6, 46.20; Sept. 19, 69.05.

Ev-23. Mrs. A. Swallow. Sec. 26, T. 5 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 360 feet. Land-surface datum is 51.06 feet above msl. Highest water level 37.94 below lsd, Mar. 13, 1947; lowest 72.84 below lsd, Aug. 6, 1947. Records available: 1946-51. Mar. 6, 46.73; Sept. 19, 66.78.

Ev-37. Gordon Micks. SW $\frac{1}{4}$  sec. 15, T. 3 S., R. 2 W. Dug unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 41 feet. Land-surface datum is 106 feet above msl. Highest water level 19.77 below lsd, Mar. 2, 1948; lowest 32.4 below lsd, Dec. 15, 18, 21-25, 30-31, 1951. Records available: 1945-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.2	31.0	30.6	30.6	....	31.2	31.4	31.7	31.8	....	32.1	32.3
2	31.2	31.1	30.5	30.6	30.8	31.2	31.4	31.7	31.9	32.0	32.2	32.3
3	31.2	30.9	30.6	30.6	30.8	31.3	31.4	31.7	31.9	32.0	32.2	32.3
4	31.2	30.8	30.6	30.6	30.8	31.3	31.4	31.7	31.8	32.0	32.2	32.3
5	31.2	30.8	30.6	30.6	30.8	31.3	31.4	31.7	31.8	32.0	32.2	32.3
6	31.2	30.6	30.6	30.5	30.9	31.3	31.4	....	31.8	32.0	32.2	32.3
7	31.2	30.7	30.6	30.5	30.9	31.3	31.4	31.7	31.9	32.0	32.2	32.3
8	31.2	30.7	30.7	30.6	30.9	31.3	31.4	31.7	31.9	32.0	32.2	32.3
9	31.2	30.7	30.7	30.6	30.9	31.3	31.4	31.7	31.9	32.0	32.2	32.3
10	31.2	30.8	30.7	30.6	30.9	31.3	31.5	31.7	31.9	32.0	32.2	32.3
11	31.2	30.8	30.7	30.6	30.9	31.3	31.5	31.7	31.9	32.0	32.2	32.3
12	31.2	30.7	30.7	30.6	30.9	31.3	31.5	31.7	31.9	32.0	32.2	32.3
13	31.2	30.8	30.7	30.6	30.9	31.3	31.5	31.7	31.9	32.0	32.2	32.3
14	31.2	30.8	30.7	30.6	31.0	31.4	31.5	31.7	31.9	32.0	32.2	32.3
15	31.2	30.7	30.8	30.7	31.0	31.4	31.5	31.7	31.9	32.0	32.2	32.4
16	31.2	30.7	30.7	30.7	31.0	31.4	31.5	31.7	31.9	32.1	32.2	32.3
17	31.2	30.6	30.7	30.7	31.0	31.4	31.5	31.7	31.9	32.1	32.2	32.3
18	31.2	30.5	30.8	30.7	31.0	31.4	31.5	31.7	31.9	32.1	32.2	32.4
19	31.2	30.6	....	30.7	31.0	31.4	31.5	31.7	31.9	32.1	32.2	32.3
20	31.2	30.5	30.8	30.7	31.0	31.4	....	31.7	31.9	32.1	32.2	32.3
21	....	30.7	30.8	30.7	31.1	31.4	....	31.7	31.9	32.1	32.2	32.4
22	31.2	30.6	30.8	30.7	31.1	31.4	....	31.7	32.0	32.1	32.2	32.4
23	31.2	30.6	30.8	30.8	31.1	31.4	....	31.8	32.0	32.1	32.2	32.4
24	31.2	30.6	30.8	30.7	31.1	31.4	....	31.8	32.0	32.1	32.2	32.4
25	31.2	30.5	30.8	30.8	31.1	31.4	31.6	31.8	32.0	32.1	32.3	32.4
26	31.2	30.6	30.8	30.8	31.1	31.4	31.6	31.8	32.0	32.1	32.3	....
27	31.2	30.6	30.6	....	31.1	....	31.6	31.8	32.0	32.1	32.3	....
28	31.2	30.5	30.3	....	31.2	....	31.6	31.8	32.0	32.1	32.3	32.3
29	31.2	....	30.4	....	31.2	31.4	31.7	31.8	....	32.1	32.3	32.3
30	31.1	....	30.7	....	31.2	31.4	31.7	31.8	....	32.2	32.3	32.4
31	31.0	....	30.6	....	31.2	....	31.7	31.9	....	32.1	....	32.4

Ev-39. P. E. Fontenot. SE $\frac{1}{4}$  sec. 23, T. 3 S., R. 2 W. Highest water level 16.82 below lsd, Apr. 19, 1947; lowest 23.62 below lsd, Oct. 11, 1949. Records available: 1945-50. Measurement discontinued.

Ev-41. Harvey Vidrine. NE $\frac{1}{4}$  sec. 14, T. 3 S., R. 2 W. Highest water level 18.03 below lsd, Nov. 27, 1946; lowest 20.44 below lsd, Dec. 19, 1949. Records available: 1945-50. Measurement discontinued.

Ev-46. Gordon Micks. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 15, T. 3 S., R. 2 W. Drilled unused artesian well in sand of Pleistocene age, diameter 3 inches, depth 110 feet. Highest water level 27.01 below lsd, July 6, 1949; lowest 36.89 below lsd, May 16, 1951. Records available: 1945-51. Jan. 23, 32.95; Feb. 20, 32.27; Mar. 26, 32.78; Apr. 24, 32.73; May 16, 36.89; Sept. 11, 33.87; Dec. 11, 34.32.

Ev-68. Davies Guillory. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 4 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 190 feet, screen at 125-190. Land-surface datum is 65.35 feet above msl. Highest water level 56.2 below lsd, Apr. 21, 1950; lowest 99.10 below lsd, June 19, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	60.39	Mar. 12	56.87	Sept. 5	98.66	Nov. 6	83.82
8	60.21	19	56.63	11	98.66	14	81.10
15	59.69	26	56.39	18	95.11	20	79.93
22	59.33	Apr. 3	56.02	25	93.48	27	77.95
29	58.91	9	55.65	Oct. 2	91.68	Dec. 4	75.99
Feb. 5	58.52	16	55.57	9	90.74	11	74.76
12	58.15	May 21	90.89	16	89.12	18	73.22
19	57.74	June 4	96.81	24	87.25	27	71.97
Mar. 5	57.20	19	99.10	30	85.49		

Ev-70. C. Guillory. Center line sec. 1, T. 6 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 200 feet. Land-surface datum is 59.90 feet above msl. Highest water level 54.85 below lsd, Mar. 12, 1947; lowest 88.45 below lsd, Sept. 7, 1948. Records available: 1947-51. Mar. 5, 69.51; Sept. 18, 87.83.

Ev-84. Leroy Soileau. NW $\frac{1}{4}$  sec. 33, T. 5 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 22 inches, depth 209 feet, screen at 117-205. Highest water level 74.30 below lsd, Mar. 24, 1950; lowest 84.07 below lsd, Sept. 18, 1951. Records available: 1949-51. Mar. 5, 75.69; Sept. 18, 84.07.

Ev-90. Hass Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 4 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 210 feet. Land-surface datum is 58.54 feet below msl. Highest water level 27.9 below lsd, May 1-2, 1950; lowest 72.41 below lsd, June 21, 1949. Mar. 5, 41.35; Sept. 18, 71.26. Records available: 1947-51.

Ev-200. Continental Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, T. 4 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 240 feet. Land-surface datum is 51.58 feet above msl. Highest water level 27.9 below lsd, May 1, 1950; lowest 54.1 below lsd, July 22-23, 1951. Records available: 1948-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.8	29.5	29.4	....	....	50.1	50.6	52.7	....	44.0	41.4	38.6
2	30.7	29.6	29.4	....	....	50.4	51.9	52.5	....	43.9	41.3	38.6
3	30.6	29.7	29.4	29.0	33.5	50.7	51.2	52.3	....	43.8	41.2	38.6
4	30.6	29.9	29.4	....	34.1	51.0	51.4	52.0	....	43.8	41.2	38.5
5	30.6	29.9	29.4	....	34.9	51.3	51.5	51.7	48.4	43.7	41.0	38.3
6	30.6	29.9	29.3	....	35.6	51.6	51.6	51.7	48.2	43.7	40.9	38.2
7	30.7	29.9	29.3	....	35.6	51.8	51.6	....	48.0	43.6	40.9	38.1
8	30.6	29.8	29.3	....	....	52.0	51.6	51.2	47.7	43.5	40.8	38.0
9	30.6	29.8	29.3	....	....	52.1	51.6	51.1	47.5	43.5	40.7	37.8
10	30.5	29.9	29.3	....	....	52.1	51.7	51.1	47.3	43.5	40.6	37.7
11	30.5	30.0	29.3	....	....	52.1	51.9	51.2	47.0	43.4	40.5	37.6
12	30.5	29.8	29.2	....	....	52.1	52.0	51.4	46.8	43.3	40.4	37.5
13	30.4	29.8	29.2	....	....	52.2	52.1	51.5	46.5	43.2	40.3	37.5
14	30.4	29.8	29.1	....	43.2	52.2	52.3	51.7	46.3	43.1	40.2	37.2
15	30.3	29.7	....	....	43.9	52.2	52.6	51.7	46.1	43.0	40.1	37.1
16	30.4	29.6	29.1	....	44.4	52.2	53.0	51.8	46.0	42.9	40.0	37.1
17	30.3	29.6	29.1	....	44.9	52.1	53.4	51.9	45.8	42.8	39.9	37.1
18	30.3	29.6	29.1	....	45.4	51.7	53.6	52.0	45.6	42.8	39.8	37.0
19	30.3	29.6	29.1	....	46.0	....	53.7	52.1	45.5	42.7	39.7	37.0
20	30.3	29.6	29.1	....	46.6	51.1	53.8	52.2	45.3	42.6	39.6	36.8
21	30.3	29.6	29.1	....	47.1	50.9	54.0	52.2	45.2	42.5	39.5	36.8
22	30.2	29.6	29.1	....	47.4	50.8	54.1	52.1	45.0	42.4	39.4	36.8
23	30.2	29.5	29.1	28.7	47.7	....	54.1	52.1	44.9	42.3	39.4	36.7
24	30.2	29.5	29.0	28.8	48.0	50.4	....	52.0	44.8	42.2	39.3	36.6
25	30.2	29.5	29.0	28.8	48.1	50.3	....	51.9	44.6	42.1	39.2	36.6
26	30.2	29.5	29.0	29.0	48.2	50.2	....	51.8	44.5	42.0	39.1	36.5
27	30.1	29.5	28.8	29.8	48.4	....	....	51.8	44.4	41.9	39.0	....
28	30.1	29.5	28.6	....	48.7	....	....	51.7	44.3	41.8	38.9	....
29	30.0	....	28.5	31.3	49.0	....	....	51.6	44.2	41.7	38.9	36.3
30	29.8	....	28.5	31.5	49.4	50.3	53.3	51.1	44.1	41.6	38.8	36.2
31	29.6	....	28.6	....	49.8	....	53.0	....	....	41.5	....	36.2

Ev-229. Chestley Fontenot. SE $\frac{1}{4}$  sec. 25, T. 4 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 135 feet. Land-surface datum is 65.88 feet above msl. Highest water level 45.5 below lsd, Apr. 18, 1951; lowest 92.5 below lsd, July 21, 1951. Records available: 1949-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.5	47.9	....	45.8	....	88.2	88.3	87.8	82.0	72.7	67.6	62.1
2	49.3	47.9	....	45.9	....	88.4	88.4	87.2	81.8	72.4	67.5	61.9
3	49.2	47.9	....	45.9	59.1	88.3	89.1	86.7	81.6	72.2	67.4	61.7
4	49.2	47.8	....	45.9	59.7	88.3	89.5	86.4	81.6	72.0	67.2	61.6
5	59.2	47.8	46.8	45.9	60.9	88.4	89.5	86.9	82.3	71.9	66.9	61.3
6	49.2	47.8	46.8	45.8	63.7	87.8	89.8	86.2	82.3	71.8	66.7	61.1
7	49.1	47.8	46.8	45.8	66.6	87.7	90.0	85.7	81.0	71.8	66.6	61.0
8	49.1	47.8	46.8	45.8	69.4	87.4	90.2	85.4	80.5	72.1	66.5	60.9
9	49.1	47.7	46.8	45.8	72.4	87.3	90.5	85.2	80.2	72.4	66.3	60.7
10	49.0	47.7	46.7	45.7	73.8	87.3	90.4	85.4	79.9	71.9	66.1	60.6

## Ev-229--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	49.0	47.7	46.7	45.6	76.2	87.0	90.1	85.5	79.7	71.6	65.9	60.4
12	48.9	....	46.6	45.6	77.0	87.5	89.6	85.3	79.1	71.4	65.6	60.2
13	48.8	....	46.6	45.6	77.4	87.6	89.4	85.2	78.2	71.1	65.2	60.1
14	48.7	....	46.5	45.6	78.1	87.6	89.5	85.2	77.5	70.9	....	59.7
15	48.7	....	46.5	45.6	77.6	87.6	89.5	85.6	77.0	....	64.8	59.7
16	48.7	....	46.5	45.6	78.3	86.9	90.0	86.5	76.6	70.8	64.7	59.7
17	48.7	....	46.4	45.6	78.3	86.4	90.8	87.3	76.1	70.5	64.7	59.5
18	48.6	....	46.4	45.5	78.4	85.8	91.4	87.1	75.8	70.3	64.5	59.3
19	48.6	....	46.4	45.6	78.6	....	91.8	88.2	75.5	70.0	64.3	59.2
20	48.5	....	46.4	45.6	78.8	85.6	92.1	87.5	75.1	69.8	64.1	58.9
21	48.6	....	46.4	45.7	79.0	85.4	92.5	87.2	74.8	69.7	63.9	58.8
22	48.5	....	46.3	45.7	79.9	85.8	91.8	87.1	74.6	69.5	63.7	58.8
23	48.4	....	46.3	46.0	81.9	85.5	91.7	87.0	74.3	69.3	63.5	58.7
24	48.4	....	46.3	47.7	83.0	86.1	....	86.4	74.1	69.2	63.3	58.6
25	48.4	....	46.2	48.6	83.4	85.5	....	86.0	73.8	69.0	63.1	58.4
26	48.4	....	46.2	50.5	84.0	85.5	91.2	85.7	73.6	68.8	63.0	....
27	48.3	....	46.0	51.7	84.3	....	91.1	85.5	73.4	68.7	62.8	....
28	48.2	....	45.9	52.7	85.7	....	90.9	85.1	73.2	68.5	62.6	58.2
29	48.1	....	45.9	52.6	86.6	....	90.3	84.2	73.1	68.3	62.6	58.0
30	48.0	....	45.9	53.2	87.4	87.5	90.0	84.3	72.9	68.1	62.3	57.9
31	47.9	....	45.8	....	87.6	....	89.1	83.5	....	67.9	....	57.7

Ev-236. Continental Oil Co. West side of sec. 44, T. 4 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 290 feet. Highest water level 68.82 below lsd, Apr. 1, 1949; lowest 78.88 below lsd, Sept. 18, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	72.14	Jan. 22	72.28	Feb. 12	71.94	Mar. 5	72.03
8	72.64	29	72.33	19	71.93	Sept. 18	78.88
15	72.46						

Ev-373. Christo Soileau. SE $\frac{1}{4}$  sec. 23, T. 3 S., R. 2 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Highest water level 22.69 below lsd, Aug. 17, 1950; lowest 25.02 below lsd, Apr. 23, 1951. Records available: 1950-51. Jan. 23, 24.68; Feb. 20, 23.52; Mar. 26, 23.82; Apr. 23, 25.02; May 16, 24.47; Sept. 11, 24.77. Measurement discontinued.

## Grant Parish

G-2. Carnahan, Hunthunce & Hargiss. Sec. 5, T. 5 N., R. 3 W. Drilled domestic artesian well in sand of Catahoula formation, diameter 3 inches, depth 298 feet. Highest water level 1.77 below lsd, Apr. 27, 1942; lowest 28.90 below lsd, Oct. 26, 1951. Records available: 1938-45, 1950-51.

Mar. 3	19.55	June 25	20.77	Aug. 31	27.57	Oct. 26	28.90
Apr. 5	21.91	July 23	24.15	Sept. 28	28.17	Dec. 7	28.74
May 29	22.89						

G-21. U. S. Dept. of Agriculture. In Pollock at Catahoula fire tower. Highest water level 132.23 below lsd, July 24, 1946; lowest 142.69 below lsd, Sept. 21, 1939. Records available: 1938-43, 1946-50. Measurement discontinued.

G-27. 4-H Club Camp. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, T. 6 N., R. 1 E. Drilled domestic artesian well in sand of Catahoula formation, diameter 2 inches, depth 397 feet. Highest water level 3.45 above lsd, Mar. 27, 1950; lowest 0.92 above lsd, Oct. 25, 1945. Records available: 1938-47, 1949-51.

Jan. 2	+2.85	Apr. 2	+2.75	June 26	+2.74	Sept. 25	+2.60
Feb. 5	2.84	30	2.75	July 24	2.70	Oct. 22	2.45
26	2.65	June 4	2.80	Aug. 27	2.45	Dec. 4	2.44

G-121. John Hamberlin. Town of Boyce. Dug domestic artesian well in sand of Recent age, diameter 36 inches, depth 16 feet. Highest water level 0.08 below lsd, Jan. 20, 1947; lowest 12.70 below lsd, Aug. 2, 1950. Records available: 1947-51.

Mar. 2, 1950	0.23	Aug. 2, 1950	12.70	Apr. 5, 1951	3.12	Aug. 31, 1951	9.04
Apr. 4	4.36	25	8.84	May 29	6.72	Sept. 28	10.19
May 1	2.07	Nov. 1	6.25	June 25	8.40	Oct. 26	9.93
June 8	.99	Dec. 1	5.82	July 23	10.66	Dec. 7	10.03
July 6	6.44	Mar. 3, 1951	3.80				

Iberia Parish

I-19. Jefferson Island Planting Co. Irregular sec. 59, T. 12 S., R. 5 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 477 feet. Land-surface datum is 9.72 feet above msl. Highest water level 3.65 below lsd, May 11, 1944; lowest 9.64 below lsd, Sept. 26, 1951. Records available: 1944-51. Feb. 7, 7.05; Mar. 7, 6.49; Sept. 26, 9.64.

I-56. M. A. Patout & Sons. Highest water level 9.76 below lsd, Dec. 13, 1950; lowest 9.76 below lsd, Dec. 13, 1950. Records available: 1950. Measurement discontinued.

Jackson Parish

Ja-13. Southern Advance Bag & Paper Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 15 N., R. 4 W. Drilled unused artesian well in Sparta sand, diameter 18 to 12 inches, depth 512 feet. screen at 359-512. Highest water level 54.63 below lsd, Feb. 14, 1950; lowest 119.2 below lsd, Oct. 5-7, 1946. Records available: 1945-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	99.3	101.4	.....	109.3	109.9	109.1	111.4	109.6	112.5	114.3	115.7	116.3
2	103.3	101.2	100.4	109.6	109.9	109.3	105.2	109.7	112.6	114.4	115.7	116.3
3	105.7	101.1	102.4	109.8	110.0	109.5	101.1	109.8	112.6	114.4	115.8	116.3
4	107.2	100.8	104.6	109.9	110.0	109.6	98.3	109.9	112.7	114.4	115.8	116.3
5	108.3	100.6	106.2	110.0	110.4	109.7	95.9	110.0	112.9	114.5	115.8	116.2
6	109.4	100.4	107.2	110.0	110.6	109.8	93.9	109.2	113.0	114.5	115.8	116.2
7	110.3	100.2	107.7	110.1	110.7	109.9	92.1	107.8	113.0	114.6	115.9	116.2
8	110.0	100.1	108.1	108.4	110.7	110.1	90.5	107.8	113.1	114.7	115.9	116.2
9	111.3	.....	108.4	106.0	110.7	110.1	94.1	108.2	113.1	114.8	116.0	116.2
10	109.0	.....	108.8	104.6	110.7	110.2	98.0	108.8	113.2	114.8	116.0	116.2
11	107.4	.....	108.6	103.6	110.7	110.2	100.7	109.2	113.2	114.9	116.0	116.3
12	106.4	.....	108.4	102.9	110.8	110.2	102.5	109.6	113.3	115.0	116.0	116.3
13	105.7	.....	108.7	102.3	110.9	110.3	103.7	109.9	113.4	115.0	116.0	116.3
14	105.0	.....	109.0	103.5	111.0	110.5	104.7	110.1	113.4	115.1	115.9	116.2
15	106.5	.....	109.3	105.2	111.0	110.6	105.4	110.4	113.4	115.1	115.9	116.2
16	108.2	.....	109.5	106.4	111.1	110.6	105.9	110.6	113.5	115.2	115.9	116.3
17	109.5	.....	109.6	107.3	111.1	110.7	106.4	110.7	113.6	115.2	116.0	116.3
18	108.2	.....	109.7	107.9	111.1	110.7	106.8	110.8	113.7	115.2	116.1	116.2
19	106.6	.....	109.8	108.3	111.1	110.8	107.1	111.0	113.7	115.3	116.2	116.1
20	105.6	.....	109.9	108.6	111.1	110.9	107.4	111.1	113.8	115.3	116.2	114.9
21	105.0	.....	110.0	108.9	111.1	110.9	107.7	111.3	113.8	115.3	116.2	114.3
22	104.4	.....	110.1	109.1	111.1	111.0	107.9	111.4	113.9	115.3	116.2	113.4
23	103.9	.....	110.1	109.2	111.1	111.0	108.2	111.5	113.9	115.4	116.2	111.8
24	103.5	.....	110.2	109.4	109.1	111.1	108.4	111.7	114.0	115.4	116.2	106.6
25	103.2	.....	110.2	109.5	108.2	111.2	108.6	111.8	114.0	115.5	116.2	103.5
26	102.9	.....	103.8	109.6	108.7	111.2	108.8	111.9	114.1	115.5	116.2	101.1
27	102.5	.....	104.8	109.7	107.4	111.3	108.9	112.0	114.1	115.6	116.2	99.2
28	102.3	.....	106.7	109.7	107.2	111.3	109.0	112.1	114.2	115.6	116.3	97.3
29	102.1	.....	107.8	109.8	107.9	111.4	109.2	112.3	114.2	115.6	116.3	95.5
30	101.9	.....	108.3	109.8	108.5	111.4	109.3	112.3	114.3	115.7	116.3	94.1
31	101.6	.....	108.9	.....	108.8	.....	109.5	112.4	.....	115.7	.....	96.5

Jefferson Parish

Jf-12. Fourth Jefferson Drainage District. At New Orleans pumping station 1, about 1.25 miles west of parish line on Lake Pontchartrain. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 880 feet. Highest water level 15.40 below lsd, June 22, 1943; lowest 41.87 below lsd, Oct. 12, 1951. Records available: 1942-51. Mar. 4, 33.98; Sept. 3, 40.76; Oct. 12, 41.87.

Jefferson Davis Parish

JD-8. W. Koll. SW $\frac{1}{4}$  sec. 3, T. 9 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 336 feet, screen at 246-336. Land-surface datum is 31.39 feet above msl. Highest water level 27.15 below lsd, Apr. 10, 1941; lowest 60.76 below lsd, Sept. 21, 1951. Records available: 1938-47, 1949-51. Mar. 9, 40.25; Sept. 21, 60.76.

JD-9. Welsh Canal Co. NW $\frac{1}{4}$  sec. 34, T. 9 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 318 feet, screen at 238-318. Land-surface datum is 24.10 feet above msl. Highest water level 19.52 below lsd, Mar. 29, 1943; lowest 73.65 below lsd, July 23, 1951. Records available: 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	36.91	Apr. 10	33.48	July 9	72.57	Oct. 9	56.13
12	36.33	16	34.63	16	70.30	16	54.88
18	35.92	23	35.83	23	73.65	24	54.04
26	35.56	May 2	37.42	30	68.30	30	53.47
Feb. 2	35.22	8	44.03	Aug. 8	67.00	Nov. 6	52.48
9	34.72	14	50.03	14	66.99	14	51.14
16	34.28	21	59.80	21	65.76	20	50.70
23	33.98	28	63.09	27	64.56	27	49.73
Mar. 2	33.56	June 4	66.54	Sept. 5	62.95	Dec. 3	49.05
8	33.38	11	68.66	11	61.33	11	48.18
12	33.25	18	67.78	18	59.75	18	47.27
19	32.95	26	70.85	24	60.04	27	46.55
26	33.70	July 2	70.99	Oct. 2	57.27	31	45.84
Apr. 3	33.31						

JD-11. Mrs. T. L. Linscomb. NE $\frac{1}{4}$  sec. 28, T. 7 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 307 feet, screen at 206-307. Land-surface datum is 46.70 feet above msl. Highest water level 40.30 below lsd, Jan. 21, 1943; lowest 66.21 below lsd, Sept. 18, 1951. Records available: 1938-51. Mar. 7, 53.78; Sept. 18, 66.21.

JD-14. Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 21, T. 7 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 350 feet, screen at 270-350. Land-surface datum is 48.00 feet above msl. Highest water level 42.56 below lsd, Feb. 6, 1947; lowest 57.34 below lsd, Sept. 18, 1951. Records available: 1938-39, 1944-51. Mar. 7, 50.06; Sept. 18, 57.34.

JD-23. Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 4, T. 10 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 16 to 10 inches, depth 353 feet, screen 116-243. Land-surface datum is 25.71 feet above msl. Highest water level 17.98 below lsd, May 8, 1942; lowest 65.5 below lsd, July 25-26, 1951. Records available: 1938-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.1	35.1	33.6	32.4	32.6	48.8	60.1	64.1	62.6	55.5	50.3	46.7
2	36.9	35.1	33.5	32.3	32.6	49.3	60.1	63.7	62.6	55.2	50.2	46.6
3	36.8	35.0	33.5	32.4	32.6	49.8	60.2	63.5	62.6	55.0	50.2	46.4
4	36.8	34.9	33.5	32.3	32.6	50.4	60.2	63.4	62.5	54.8	50.0	46.3
5	36.8	34.9	33.4	32.3	32.7	50.9	60.2	63.2	62.4	54.7	49.7	46.2
6	36.8	34.8	33.4	32.2	32.8	51.3	60.5	63.1	62.3	54.5	49.6	46.0
7	36.7	34.8	33.4	32.2	33.1	51.8	60.8	63.1	61.9	54.4	49.7	46.0
8	36.7	34.7	33.3	32.2	33.5	52.3	61.1	63.1	61.7	54.2	49.5	45.9
9	36.6	34.7	33.3	32.1	34.0	52.8	61.5	63.2	61.3	54.0	49.3	45.9
10	36.5	34.6	33.3	32.1	34.7	53.3	62.0	63.4	61.0	53.8	49.1	45.8
11	36.4	34.6	33.2	32.1	35.3	53.7	62.4	63.4	60.7	53.6	49.0	45.6
12	36.3	34.5	33.1	32.1	35.9	54.2	62.8	63.5	60.4	53.5	48.8	45.5
13	36.2	34.4	33.1	32.1	36.4	54.8	63.2	63.5	60.1	53.3	48.6	45.3
14	36.1	34.4	33.1	32.1	36.9	55.2	63.4	63.6	59.8	53.1	48.5	45.1
15	36.1	34.3	33.1	32.1	37.4	55.7	63.6	63.8	59.5	52.9	48.4	45.3
16	36.1	34.3	33.0	32.1	37.8	56.2	63.7	63.9	59.2	52.7	48.4	45.2
17	36.0	34.2	32.9	32.2	38.2	56.7	63.8	64.0	58.9	52.6	48.5	45.0
18	35.9	34.1	32.9	32.1	38.9	57.1	64.0	64.1	58.7	52.4	48.5	44.8
19	35.8	34.1	32.9	32.2	39.6	57.5	64.5	64.4	58.4	52.3	48.2	44.6
20	35.8	34.0	32.9	32.4	40.4	57.8	64.9	64.4	58.1	52.0	48.1	44.4
21	35.8	34.0	32.8	32.5	41.3	58.1	65.2	64.5	57.8	51.8	47.9	44.5
22	35.7	33.9	32.8	32.7	42.2	58.4	65.3	64.6	57.6	51.7	47.7	44.5
23	35.6	33.9	32.7	32.8	43.2	58.6	65.3	64.6	57.4	...	47.6	44.4
24	35.6	33.9	32.7	32.9	44.3	58.8	65.4	64.5	57.2	51.5	47.5	44.3
25	35.6	33.8	32.7	32.9	45.3	59.0	65.5	64.2	56.9	51.4	47.3	44.2
26	35.5	33.7	32.7	32.9	46.0	59.2	65.5	63.7	56.6	51.2	47.3	44.1
27	35.4	33.7	32.4	32.8	46.4	59.4	65.4	63.3	56.4	51.0	47.1	44.2
28	35.4	33.6	32.4	32.8	46.6	59.6	65.2	63.0	56.2	50.8	47.1	44.0
29	35.3		32.4	32.7	47.1	59.8	65.0	62.8	56.0	50.7	47.0	43.7
30	35.2		32.4	32.6	47.7	60.0	64.9	62.6	55.8	50.6	46.9	43.7
31	35.1		32.4		48.3		64.5	62.6		50.5		43.6



JD-26. I. L. Hebert. NE $\frac{1}{4}$  sec. 21, T. 10 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 22 to 10 inches, depth 350 feet. Land-surface datum is 19.63 feet above msl. Highest water level 18.95 below lsd, Jan. 22, 1943; lowest 43.68 below lsd, July 9, 1948. Records available: 1939-51. Mar. 6, 28.52.

JD-33. Joe Petitjean. NW $\frac{1}{4}$  sec. 18, T. 11 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 350 feet. Land-surface datum is 8.17 feet above msl. Highest water level 5.61 below lsd, Apr. 8, 1941; lowest 36.37 below lsd, Sept. 18, 1951. Records available: 1939-41, 1947-51. Mar. 6, 15.68; Sept. 18, 36.37.

JD-43. Lucius Vidrine. Formerly Colon Leger. NE $\frac{1}{4}$  sec. 24, T. 8 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 350 feet. Land-surface datum is 32.19 feet above msl. Highest water level 26.03 below lsd, Jan. 22, 1943; lowest 62.7 below lsd, July 18, 1951. Records available: 1939-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.6	....	38.0	37.1	37.4	53.5	58.7	58.3	59.5	50.9	49.2	47.8
2	40.4	39.9	38.0	37.1	38.5	53.4	62.1	58.5	58.8	50.8	49.2	47.7
3	40.4	....	37.9	37.1	39.5	53.1	61.3	58.5	58.6	50.7	49.2	48.0
4	40.5	....	37.9	37.1	43.7	56.6	56.7	54.5	54.6	50.7	49.1	47.6
5	40.5	....	37.9	37.0	41.2	57.6	56.3	54.1	54.3	50.6	49.0	47.5
6	40.4	....	37.9	36.9	41.7	58.4	56.8	53.8	54.0	50.6	49.0	47.4
7	40.4	....	37.9	36.8	46.6	59.0	56.9	54.1	53.8	50.5	49.0	47.4
8	40.4	....	37.9	36.9	46.7	59.4	55.9	54.4	53.6	50.5	49.0	47.4
9	40.3	....	37.9	36.9	46.9	58.4	55.3	54.9	53.3	50.5	49.6	47.4
10	40.2	38.9	37.9	36.8	47.1	57.8	55.4	55.2	53.1	50.4	48.9	47.4
11	40.2	38.8	37.8	36.8	43.7	58.4	55.5	55.3	53.0	51.2	48.8	47.3
12	40.1	38.7	37.8	36.8	46.8	58.1	56.0	56.1	53.0	51.1	48.6	47.2
13	40.0	38.7	37.7	36.8	46.6	55.6	60.7	56.3	52.7	51.1	48.5	47.1
14	39.9	38.6	37.7	36.8	46.9	56.0	57.6	56.6	52.6	50.8	48.4	47.0
15	40.0	38.6	37.7	36.7	48.1	55.8	57.7	56.7	52.4	50.5	48.4	47.1
16	40.0	38.6	37.6	36.7	48.9	55.4	61.6	61.0	52.3	50.4	48.4	47.2
17	39.9	38.5	37.5	36.8	51.0	55.1	62.2	61.7	52.2	50.4	48.5	47.0
18	39.8	38.4	37.5	37.0	52.2	54.9	62.7	60.5	52.1	50.3	48.5	46.8
19	39.8	38.4	37.5	36.8	52.6	55.1	62.1	56.1	52.0	50.3	48.4	46.8
20	39.7	38.3	37.6	36.8	52.6	59.6	62.0	55.3	51.8	50.1	48.3	46.6
21	39.8	38.3	37.6	36.7	52.5	60.6	62.0	55.3	51.7	49.8	48.2	46.7
22	39.8	38.3	37.5	36.7	53.5	60.7	62.0	55.3	51.6	49.8	48.2	46.8
23	39.6	38.3	37.5	36.8	54.6	60.8	58.2	55.0	51.6	49.7	48.1	46.7
24	39.6	38.2	37.5	36.9	55.9	60.8	57.6	55.3	51.5	49.7	48.1	46.7
25	39.6	38.2	37.5	36.8	55.6	60.8	57.5	55.5	51.4	49.7	48.0	46.6
26	39.6	38.1	37.4	37.2	55.5	61.5	57.8	55.0	51.3	49.6	48.0	46.6
27	39.5	38.1	37.1	37.6	55.1	62.0	56.8	54.5	51.2	49.5	48.0	46.6
28	39.4	38.0	37.1	37.5	55.1	62.3	56.3	54.5	51.1	49.5	47.9	46.5
29	39.4	....	37.1	37.3	56.3	62.4	55.9	54.7	51.1	49.4	47.9	46.3
30	39.3	....	37.2	37.0	57.0	59.2	55.4	54.8	51.0	49.3	47.9	46.3
31	....	....	37.2	....	53.2	....	55.2	54.9	....	49.3	....	46.2

JD-78. E. A. Lyons & Sons. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 24, T. 11 S., R. 5 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 16 inches, depth 347 feet. Land-surface datum is 5.44 feet above msl. Highest water level 4.22 below lsd, Apr. 13, 1944; lowest 36.57 below lsd, July 6, 1948. Records available: 1944, 1946-51. Mar. 6, 12.70; Sept. 18, 31.96.

JD-115. Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 34, T. 9 S., R. 5 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 30.20 feet above msl. Highest water level 25.77 below lsd, Jan. 22, 1943; lowest 67.81 below lsd, Sept. 10, 1948. Records available: 1939-51. Mar. 6, 35.26; Sept. 19, 60.69.

JD-222. Lacassane Co., Inc. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 11 S., R. 5 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 4.98 feet above msl. Highest water level 6.15 below lsd, May 8, 1946; lowest 32.78 below lsd, Sept. 18, 1948. Records available: 1945-51. Mar. 6, 12.68; Sept. 18, 32.78.

JD-223. Lacassane Co., Inc. SW $\frac{1}{4}$  sec. 27, T. 11 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 300 feet. Land-surface datum is 5.18 feet above msl. Highest water level 6.88 below lsd, Apr. 18, 1946; lowest 32.68 below lsd, July 6, 1948. Records available: 1945-51. Mar. 6, 12.97; Sept. 18, 29.71.

JD-224. T. J. Heinen. Formerly Latreille Estate. Sec. 10, T. 8 S., R. 4 W. Drilled observation well in sand of Pleistocene age, diameter 6 inches, depth 760 feet, screen at 585-604. Highest water level 39.1 below lsd, Apr. 20-25, 29-30, May 1-6, 1947; lowest 74.72 below lsd, July 23, 1951. Records available: 1946-51.

JD-224--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51.5	50.1	....	47.9	....	69.5	71.0	70.0	68.7	63.6	61.4	59.5
2	51.3	50.2	....	48.0	....	70.3	71.6	69.6	68.3	63.5	61.5	59.3
3	51.3	50.2	....	....	....	70.3	71.9	69.3	68.0	63.3	61.6	59.2
4	51.4	50.0	....	48.0	....	70.4	71.7	69.0	....	63.3	61.4	59.2
5	51.4	49.9	....	47.9	....	71.2	70.5	68.8	....	63.3	61.2	59.0
6	51.3	49.7	....	47.8	....	71.6	70.8	68.6	67.5	63.2	61.2	58.9
7	51.3	49.8	48.7	47.7	....	70.7	71.0	69.3	67.4	63.2	62.4	58.9
8	51.3	49.9	48.7	47.8	....	71.7	70.6	....	67.3	63.2	61.0	58.9
9	51.2	49.7	48.7	47.8	57.5	72.0	72.0	....	67.0	63.1	62.0	59.0
10	51.1	49.7	48.7	47.7	58.6	70.6	72.5	....	66.8	62.9	60.8	59.0
11	51.1	49.7	48.7	47.8	58.2	70.5	71.8	....	66.7	62.8	60.5	....
12	50.9	49.5	48.6	47.9	58.5	72.5	72.1	....	66.5	62.7	60.4	58.7
13	50.9	49.5	48.6	48.0	57.9	73.1	73.8	....	66.2	62.7	60.3	58.5
14	50.7	49.5	48.5	48.0	58.1	73.1	74.2	71.5	66.0	62.6	60.3	58.3
15	50.8	49.4	48.5	47.9	58.7	70.7	74.2	71.2	65.9	62.5	60.2	58.6
16	50.9	49.4	48.4	47.9	59.5	70.3	74.1	71.3	65.7	62.4	60.4	58.6
17	50.7	49.4	48.3	47.9	59.4	69.7	74.3	71.3	65.5	62.5	60.6	58.4
18	50.6	49.3	48.3	47.8	61.6	69.3	73.4	70.6	65.4	62.5	60.5	58.2
19	50.6	49.2	48.4	47.8	61.4	69.2	74.1	70.3	65.4	62.5	60.3	58.0
20	50.5	49.1	48.4	47.8	61.8	69.2	74.3	69.9	65.4	62.4	60.2	57.7
21	50.6	49.1	48.4	48.0	62.3	69.3	....	71.2	65.2	62.3	60.1	57.9
22	50.6	....	48.3	48.1	64.5	70.3	....	71.4	64.9	62.2	60.0	58.1
23	50.4	....	48.3	48.3	66.1	71.0	....	71.3	64.8	62.3	59.9	57.9
24	50.4	....	48.3	48.3	66.9	69.9	....	69.9	64.7	62.4	59.9	57.9
25	50.4	....	48.3	48.3	67.4	71.2	....	69.3	64.5	62.3	59.9	57.8
26	50.4	....	48.3	....	67.9	....	....	69.0	64.3	62.2	59.8	....
27	50.3	....	48.0	....	67.5	73.3	....	68.7	64.1	62.0	59.7	58.0
28	50.2	....	47.9	....	67.4	73.7	....	68.9	64.1	61.8	59.7	57.7
29	50.2	....	48.0	....	68.3	72.4	....	69.0	64.0	61.7	59.6	57.5
30	50.2	....	48.0	....	69.1	71.5	....	70.6	63.8	61.6	59.6	57.4
31	50.0	....	48.0	....	70.0	....	....	70.3	....	61.6	....	57.3

JD-287. King Corp. Highest water level 41.69 below lsd, Sept. 25, 1950. Records available: 1950. Measurement discontinued.

JD-317. H. Aguillard. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 8 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 289 feet, screen at 209-289. Land-surface datum is 41.73 feet above msl. Highest water level 48.99 below lsd, Mar. 20, 1950; lowest 68.40 below lsd, Sept. 18, 1951. Records available: 1948-51. Mar. 7, 50.07; Sept. 18, 68.40.

JD-331. Lock-Moor Plantation. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, T. 8 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 183 feet, screen 119-183. Land-surface datum is 25.06 feet above msl. Highest water level 22.60 below lsd, Mar. 20, 1950; lowest 29.82 below lsd, Sept. 20, 1951. Records available: 1949-51. Mar. 7, 24.24; Sept. 20, 29.82.

#### Lafayette Parish

Lf-4. Town of Carencro. Sec. 34, T. 8 S., R. 4 E., Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 156 feet. Land-surface datum is 40.04 above msl. Highest water level 27.56 below lsd, Mar. 6, 1951; lowest 29.95 below lsd, Sept. 17, 1951. Records available: 1950-51. Mar. 6, 27.56; Sept. 17, 29.95. Measurement discontinued.

Lf-6. Southwestern Louisiana Institute Horticultural Farm. Irregular sec. 68, T. 9 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 184 feet. Land-surface datum is 35.37 feet above msl. Highest water level 22.73 below lsd, Jan. 5, 1948; lowest 35.88 below lsd, Oct. 7, 1947. Records available: 1943-51. Mar. 6, 27.56; Sept. 17, 29.95.

Lf-129. Claude Hanks. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 10 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 8 inches, depth 350 feet, screen at 300-350. Land-surface datum is 30.12 feet above msl. Highest water level 23.05 below lsd, Apr. 11, 1944; lowest 38.85 below lsd, Nov. 4, 1947. Records available: 1943-51. Mar. 6, 28.15; Sept. 18, 33.97.

Lf-164. Gaston Gordon. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 10 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 113 feet. Land-surface datum is 33.41 feet above msl. Highest water level 14.9 below lsd, July 9-10, 1946; lowest 29.2 below lsd, May 11, 1948. Records available: 1943-51.

Lf-164--Continued.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	25.2	24.5	24.4	22.2	23.0	24.3
2	25.1	24.5	24.4	22.2	23.0	24.4
3	24.8	24.5	24.4	22.2	23.0	24.4
4	24.7	24.7	24.4	22.2	....	24.4
5	24.6	24.7	24.5	22.2	....	....
6	24.4	24.8	24.5	22.1	....	....
7	24.3	24.9	22.7	22.2	....	....
8	24.1	24.9	22.7	22.2	....	....
9	24.0	24.8	22.7	22.3	....	....
10	23.9	24.8	22.8	22.3	....	....
11	23.8	24.7	22.8	22.4	23.3	....
12	23.8	24.7	22.8	22.4	23.4	....
13	23.7	24.7	22.8	22.4	23.5	....
14	23.7	24.7	22.8	22.4	23.5	....
15	23.8	24.6	22.9	22.5	23.6	....
16	23.8	24.5	22.9	22.5	23.6	....
17	23.7	24.4	22.9	22.5	23.6	....
18	23.7	24.4	22.9	22.5	23.6	....
19	23.6	24.3	22.9	22.5	23.7	....
20	23.7	24.3	23.0	22.6	23.7	....
21	23.7	24.3	23.0	22.6	23.8	....
22	....	24.3	22.9	22.6	23.8	....
23	24.3	24.3	22.9	22.7	23.8	....
24	24.3	24.3	22.9	22.7	23.9	....
25	24.2	24.3	23.0	22.8	23.9	....
26	24.2	24.3	23.0	22.8	23.9	....
27	24.2	24.3	22.9	22.8	24.0	....
28	24.2	24.3	22.5	22.9	24.1	....
29	24.2		22.4	22.9	24.2	....
30	24.3		22.3	22.9	24.2	....
31	24.3		22.3		24.3	....

\* No record for July, August, September, October, November, and December.

Lf-210. B. W. Spell. Irregular sec. 24, T. 10 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 350 feet. Land-surface datum is 26.01 feet above msl. Highest water level 19.92 below lsd, Apr. 11, 1944; lowest 39.89 below lsd, June 21, 1949. Records available: 1943-51. Mar. 7, 26.75; Sept. 21, 38.07.

Lf-405. John Conque. Formerly Mary's Syrup Mill. Irregular sec. 35, T. 11 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to 2 inches, depth 190 feet, screen at 166-190. Land-surface datum is 48.89 feet above msl. Highest water level 36.03 below lsd, Aug. 8, 1946; lowest 41.14 below lsd, Dec. 9, 1948. Records available: 1946-51. Mar. 6, 39.88; Sept. 18, 40.84.

Lf-437. Southern Pacific Railroad Co. Irregular sec. 40, T. 11 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 150 feet, screen 130-150. Land-surface datum is 18.89 feet above msl. Highest water level 12.06 below lsd, May 14, 1947; lowest 22.25 below lsd, July 15, 1947. Records available: 1946-51. Feb. 6, 15.44; Mar. 7, 15.27; Sept. 20, 17.20; Nov. 6, 17.93; Dec. 10, 17.41.

Lf-478. Charles Bradford. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 9 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 282 feet, screen 210-280. Land-surface datum is 31.91 feet above msl. Highest water level 24.98 below lsd, Apr. 11, 1944; lowest 45.04 below lsd, Aug. 5, 1947. Records available: 1944-51. Mar. 6, 31.50; Sept. 18, 43.05.

Lf-479. City of Lafayette. Sec. 24, T. 9 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 212 feet, screen at 122-206. Highest water level 36.4 below lsd, Dec. 16, 1951; lowest 40.32 below lsd, Sept. 27, 1951. Records available: 1951.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 27	40.2	Oct. 5	39.7	Oct. 13	39.8	Oct. 21	40.0
28	37.6	6	38.8	14	39.0	22	39.9
29	38.6	7	39.9	15	39.9	23	40.0
30	38.0	8	38.9	16	39.8	24	40.0
Oct. 1	37.8	9	38.7	17	39.9	25	39.8
2	37.6	10	38.8	18	40.1	26	39.9
3	37.7	11	39.9	19	40.0	27	39.8
4	37.7	12	39.8	20	39.8	28	38.2

## Lf-479--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 29	39.8	Nov. 9	38.8	Dec. 12	38.4	Dec. 22	39.2
30	39.9	10	37.8	13	39.5	23	37.2
31	39.9	11	37.9	14	38.9	24	36.8
Nov. 1	38.2	18	39.2	15	37.8	25	38.7
2	37.4	21	39.7	16	36.4	26	38.0
3	39.7	26	39.7	17	37.5	27	36.5
4	38.0	28	39.7	18	38.2	28	37.0
5	39.7	Dec. 6	39.6	19	38.1	29	37.0
6	39.4	8	39.9	20	39.0	30	37.0
7	39.5	9	39.2	21	39.3	31	38.0
8	39.5	11	39.3				

## LaSalle Parish

La-41. Louisiana Delta Hardwood Lumber Co. NE $\frac{1}{4}$  sec. 8, T. 8 N., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 16 inches, depth 59 feet. Highest water level 24.48 below lsd, Jan. 30, 1950; lowest 33.89 below lsd, Nov. 4, 1941. Records available: 1939-51.

Jan. 2	25.65	Apr. 2	24.96	June 26	26.80	Sept. 25	27.67
Feb. 5	25.04	30	25.10	July 24	27.15	Oct. 22	27.67
26	25.64	June 4	26.10	Aug. 27	27.43	Dec. 4	28.08

## Lincoln Parish

L-1. Town of Ruston. In T. 18 N., R. 3 W., in Ruston. Drilled public-supply artesian well in Sparta sand, diameter 16 to 10 inches, depth 637 feet, screen at 544-637. Highest water level 231.14 below lsd, Dec. 6, 1951; lowest 232.99 below lsd, Sept. 27, 1951. Records available: 1951. Sept. 27, 232.99; Oct. 24, 232.99; Dec. 6, 231.14.

L-27. W. D. Deloney. In T. 19 N., R. 3 W. Drilled domestic artesian well in Sparta sand, diameter 3 inches, depth 540 feet, screen at 530-540. Highest water level 178.68 below lsd, Feb. 7, 1951; lowest 185.15 below lsd, Dec. 6, 1951. Records available: 1951.

Feb. 7	178.68	May 2	180.29	July 25	180.69	Oct. 24	184.58
28	179.00	June 6	180.43	Aug. 29	182.70	Dec. 6	185.15
Apr. 4	179.34	27	180.00	Sept. 27	183.97		

## Livingston Parish

Li-10. McCarroll Lumber Co. In Frost on north side of mill pond. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 350 feet. Highest water level 5.5 above lsd, Dec. 29, 1947; lowest 1.0 above lsd, May 24, 1940. Records available: 1940-51. Feb. 28, +3.1; July 5 +2.6; Nov. 23, +1.4.

Li-11. Sharp Civilian Conservation Corps Camp. In Springville. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 650 feet. Highest water level 3.35 above lsd, July 15, 1940; lowest 0.6 above lsd, Sept. 2, 1947. Feb. 28, +1.2; July 5, +1.2 Nov. 23, +0.7. Records available: 1940-51.

Li-15. Hammond Lumber Co. Sec. 14, T. 7 S., R. 6 E., south of road at Springville fire tower. Drilled domestic artesian well in sand of Pleistocene age, diameter 1 $\frac{1}{2}$  to 2 $\frac{1}{2}$  inches, depth unknown. Highest water level 8.4 above lsd, Apr. 3, 1947; lowest 4.2 above lsd, Nov. 23, 1951. Records available: 1947-51. Feb. 28, +6.8; July 5, +6.3; Nov. 23, +4.2.

Li-16. J. F. Yaun. Formerly J. F. McCarroll. In Holden. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,720 feet. Highest water level 136.2 above lsd, June 7, 1940; lowest 105.3 above lsd, Sept. 22, 1948. Records available: 1940-51. Mar. 1, +113.3. Measurement discontinued.

Li-38. J. F. McCarroll. In Holden, 100 feet east of well Li-16. Drilled domestic artesian well in sand of Pleistocene age, diameter 1 $\frac{1}{2}$  inches, depth 100 feet. Highest water level 12.2 above lsd, Apr. 3, 1947; lowest 7.0 above lsd, Mar. 1, 1951. Records available: 1947-51. Mar. 1, +7.0. Measurement discontinued.

Li-52. Coy Kinchen. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T. 6 S., R. 6 E. Drilled domestic artesian well, diameter 4 inches, depth 1,800 feet. Highest water level 116.2 above lsd, Nov. 30, 1950; lowest 110.4 above lsd, Apr. 19, 1950. Records available: 1950-51. Mar. 1, +110.6; July 6, +113.9.

Morehouse Parish

Mo-9. International Paper Co., Southern Kraft Division. Sec. 24, T. 21 N., R. 5 E. Drilled unused artesian well in Sparta sand, diameter 26 to 10 inches, depth 890 feet. Highest water level 133.2 below lsd, Jan. 13, 1946; lowest 190.1 below lsd, Apr. 11, 1950. Records available: 1945-50. No measurement made in 1951.

Mo-15. International Paper Co., Southern Kraft Division. Sec. 24, T. 21 N., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 26 to 16 inches, depth 105 feet. Highest water level 75.1 below lsd, Apr. 2, 1948; lowest 78.7 below lsd, Jan. 19, 1949. Records available: 1945-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77.4	77.7	77.3	76.9	76.8	76.9	76.7	76.7	76.6	76.6	77.1	76.7
2	77.2	77.7	77.1	77.1	77.0	76.7	76.7	76.6	76.6	76.5	77.1	76.7
3	77.3	77.2	76.9	77.2	76.7	76.7	76.7	76.6	76.8	76.6	77.3	76.7
4	77.8	77.0	76.8	77.0	76.7	76.8	76.7	76.6	76.7	76.6	77.3	76.8
5	77.7	77.0	76.7	77.1	76.8	76.8	76.7	76.6	76.7	76.9	77.4	76.7
6	77.5	76.8	76.7	77.3	76.9	76.7	76.7	76.6	76.6	76.9	77.3	76.8
7	77.8	77.7	76.8	77.3	77.0	76.6	76.6	76.5	76.7	76.8	77.3	77.1
8	77.7	77.5	76.7	77.1	76.9	76.7	76.6	76.5	76.6	76.9	77.3	76.9
9	77.5	77.3	76.6	77.0	76.7	76.8	76.6	76.6	76.5	76.8	77.5	77.3
10	77.2	77.5	76.8	77.1	76.6	76.7	76.7	76.7	76.6	76.7	77.5	76.9
11	77.5	77.2	76.9	77.0	76.7	76.7	76.7	76.7	76.7	76.6	77.5	76.7
12	77.4	77.0	76.7	77.0	76.8	76.7	76.7	76.7	76.6	76.7	77.7	76.6
13	77.3	77.3	77.0	77.0	76.9	76.9	76.7	76.7	76.7	76.7	77.7	76.8
14	77.2	77.5	77.1	76.8	76.9	76.3	76.6	76.6	76.8	76.8	77.3	76.6
15	77.6	77.3	77.2	76.9	76.9	76.7	76.6	76.6	....	76.7	77.4	77.5
16	77.8	77.3	76.9	77.1	76.7	76.6	76.5	76.6	....	76.7	76.9	77.1
17	77.3	77.3	76.9	77.0	76.6	76.7	76.5	76.6	....	76.7	77.2	76.6
18	77.3	77.0	77.2	76.7	76.6	76.8	76.5	76.8	....	76.8	76.8	76.8
19	77.4	77.1	77.5	76.7	76.7	76.8	76.5	76.7	....	76.8	76.7	76.6
20	77.5	76.9	77.3	76.9	76.7	76.8	76.5	76.7	....	76.6	76.7	76.3
21	77.9	77.5	77.2	76.8	76.7	76.7	76.6	76.7	....	76.6	76.6	77.3
22	77.4	77.4	76.9	77.0	76.7	76.7	76.7	76.7	....	76.8	76.6	77.2
23	77.2	77.4	76.8	77.2	76.8	76.8	76.6	76.7	....	76.8	76.7	76.9
24	77.5	77.2	76.8	76.8	76.7	76.8	76.6	76.6	....	77.0	76.8	76.9
25	77.6	77.0	76.9	76.8	76.7	76.7	76.6	76.6	....	77.2	76.8	76.7
26	77.3	77.1	77.0	76.8	76.8	76.6	76.7	76.6	76.6	77.3	76.9	77.1
27	77.2	77.2	76.6	76.9	76.9	76.6	76.6	76.6	76.7	77.5	76.9	77.2
28	77.5	77.1	76.5	76.8	76.8	76.7	76.6	76.6	77.0	77.3	76.9	76.4
29	77.7		76.9	76.6	76.8	76.6	76.7	76.7	76.8	77.3	76.9	76.2
30	77.5		77.2	76.6	76.8	76.6	76.7	76.7	76.7	77.3	76.8	76.5
31	77.1		77.0		76.9		76.7	76.6		77.3		76.7

Natchitoches Parish

Na-54. S. Rhodes. SW $\frac{1}{4}$  irregular sec. 105, T. 9 N., R. 7 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 4 inches, depth 434 feet, screen 421-430. Highest water level 16.0 above lsd, Aug. 16, 1944; lowest 7.92 above lsd, Oct. 26, 1951. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	+9.30	Apr. 5	+9.22	June 25	+8.15	Sept. 28	+8.20
Feb. 8	+10.45	May 3	+9.57	July 23	+10.55	Oct. 26	+7.92
Mar. 3	+9.62	29	+10.02	Aug. 30	+8.58	Dec. 7	+7.97

Na-58. H. J. Taylor. NE $\frac{1}{4}$  sec. 10, T. 8 N., R. 7 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 6 inches, depth 810 feet, screen 490-538. Highest water level 38.5 above lsd, Jan. 4, 1944; lowest 10.60 above lsd, Oct. 26, 1951. Records available: 1944-51.

Jan. 6	+16.75	Apr. 5	+14.70	June 25	+14.65	Sept. 28	+11.60
Feb. 8	+14.72	May 3	+17.50	July 23	+13.05	Oct. 26	+10.80
Mar. 3	+13.59	29	+15.06	Aug. 30	+11.82	Dec. 7	+11.47

Orleans Parish

Or-11. Gardeners & Shippers Ice Co. 734 Forstall St., New Orleans. Drilled industrial artesian well in sand of Pleistocene age, diameter 6 inches, depth 800 feet. Highest water level 66.37 below lsd, Mar. 4, 1951; lowest 88.29 below lsd, Oct. 14, 1951. Records available: 1950-51. Mar. 4, 66.37; Apr. 22, 65.77; Oct. 14, 88.29.

Or-25. Morgan Ice Co. plant No. 1. 1215 Magnolia St., New Orleans. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 850 feet. Land-surface datum is 5.83 feet above msl. Highest water level 47.3 below lsd, Feb. 18-20, 1946; lowest 100.8 below lsd, Aug. 24-30, 1951. Records available: 1945-51.

Or-25--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	79.1	76.5	....	74.7	79.1	....	94.9	98.9	100.4	....	....	90.2
2	78.6	77.1	....	74.3	79.1	....	94.1	99.6	99.2	....	....	90.2
3	79.2	76.8	....	75.1	79.1	....	95.0	99.8	....	....	....	90.5
4	79.2	75.9	78.6	74.7	79.1	....	94.9	99.5	....	....	95.0	89.2
5	78.9	75.8	78.8	74.6	79.1	....	94.2	98.1	....	....	....	89.6
6	78.7	76.3	78.0	74.6	79.1	....	95.1	97.8	....	....	....	....
7	78.1	76.2	....	74.4	80.0	....	94.8	98.9	....	....	....	....
8	77.0	75.8	....	....	79.9	....	94.2	99.4	....	....	....	....
9	77.4	75.5	....	73.7	79.3	....	93.9	99.8	....	....	....	....
10	77.6	75.7	....	75.3	79.1	....	94.9	100.2	....	....	....	....
11	77.5	74.9	....	75.9	78.7	....	95.5	99.9	....	97.6	94.0	....
12	77.6	74.8	78.2	76.0	78.5	....	96.0	98.8	....	....	92.9	....
13	78.3	75.6	78.3	76.2	79.9	....	96.4	98.6	....	97.8	....	....
14	78.5	....	78.3	76.4	81.6	....	96.3	99.5	....	97.5	....	....
15	77.5	....	78.2	76.6	83.2	....	95.5	100.1	....	95.6	....	....
16	77.3	....	78.2	77.2	84.8	....	95.2	100.4	....	....	....	....
17	77.3	....	76.8	76.6	86.0	....	96.1	100.7	96.8	....	93.2	....
18	77.3	....	76.0	76.4	87.1	....	97.1	100.4	94.8	....	91.6	....
19	78.3	....	75.4	75.5	87.1	....	97.5	99.2	94.2	....	....	....
20	78.2	....	75.8	....	86.9	....	98.2	99.2	93.6	....	....	....
21	77.7	....	75.9	....	87.2	....	97.0	100.0	93.5	....	....	....
22	76.1	....	76.1	77.1	88.5	....	97.0	100.6	93.5	....	....	....
23	76.8	....	....	76.6	89.2	....	97.0	100.7	....	....	....	....
24	77.0	....	....	77.6	89.8	....	97.7	100.8	....	....	91.2	....
25	77.0	....	75.0	78.5	90.6	94.3	98.4	100.8	....	....	....	83.8
26	76.8	....	74.6	79.1	90.4	94.4	98.8	100.8	....	....	90.2	83.5
27	76.8	....	75.7	79.8	89.7	95.0	99.3	100.8	....	....	....	84.5
28	76.6	....	76.0	79.5	89.4	95.4	99.1	100.8	....	....	....	84.7
29	75.7	....	76.3	79.3	....	95.6	98.4	100.8	....	....	....	84.7
30	76.1	....	75.8	79.1	....	95.4	97.6	100.8	....	....	90.9	83.9
31	76.7	....	75.8	....	....	....	98.6	100.7	....	....	....	83.4

Or-42. Department of the Navy. At power house, Algiers Repair Base. Drilled unused artesian well, diameter 8 inches, depth 800 feet. Highest water level 71.07 below lsd, Mar. 10, 1950; lowest 89.87 below lsd, July 24, 1950. Records available: 1949-51. Apr. 20, 71.68.

## Ouachita Parish

Ou-23. Southern Carbon Co. Sec. 37, T. 19 N., R. 4 E. Drilled industrial artesian well in Sparta sand, diameter 6 inches, depth 726 feet, screen at 704-726. Highest water level 77.94 below lsd, Feb. 13, 1946; lowest 91.97 below lsd, Dec. 5, 1951. Records available: 1946, 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	88.96	Apr. 3	89.67	June 27	90.60	Sept. 26	91.33
Feb. 6	89.61	May 1	90.07	July 25	90.95	Oct. 23	91.69
27	89.36	June 5	90.63	Aug. 28	91.59	Dec. 5	91.97

Ou-26. Fred Fudickar. S $\frac{1}{2}$  sec. 81, T. 18 N., R. 4 E. Drilled domestic artesian well in Sparta sand, diameter 4 inches, depth 625 feet, screen at 605-625. Highest water level 68.05 below lsd, Jan. 17, 1946; lowest 84.08 below lsd, Oct. 25, 1951. Records available: 1946-51.

Jan. 3	81.81	Apr. 3	82.08	June 26	83.14	Sept. 25	83.81
Feb. 6	81.87	30	82.19	July 24	83.46	Oct. 25	84.08
26	82.05	June 5	82.79	Aug. 27	83.68	Dec. 5	84.05

Ou-73. Tennessee Gas & Transmission Co., well 1. Drilled industrial artesian well in Sparta sand, diameter 6 inches, depth 400 feet. Highest water level 154.38 below lsd, Feb. 19, 1946; lowest 189.30 below lsd, Feb. 28, 1951. Records available: 1946-51.

Jan. 4	188.77	Feb. 28	189.30	May 1	181.51	Aug. 28	188.50
Feb. 7	180.58	Apr. 3	178.54	June 5	185.32	Sept. 26	189.15

Ou-77. Brown Paper Co. In back of spray yard in sec. 3, T. 17 N., R. 3 E. Drilled unused artesian well in Sparta sand, diameter 26 to 16 inches, depth 851 feet. Highest water level 180.9 below lsd, May 21, 1949; lowest 225.87 below lsd, July 22, 1951. Records available: 1946-51.

Ou-77--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	215.9	197.9	198.1	212.2	213.0	220.4	220.6	212.1	.....	209.8
2	.....	215.6	202.6	198.1	198.0	211.5	212.2	221.0	219.2	210.6	.....	209.6
3	.....	216.2	200.4	198.2	197.9	212.2	212.0	216.2	192.1	211.6	213.3	202.4
4	200.8	200.5	199.9	198.1	197.9	212.3	213.5	221.2	184.5	211.7	202.3	199.6
5	200.6	199.9	199.7	198.1	197.9	212.5	215.9	217.0	210.7	212.5	210.0	202.5
6	200.3	199.6	199.4	198.0	197.9	211.4	202.0	220.5	214.1	212.9	214.5	207.5
7	200.2	199.8	212.1	198.0	198.0	211.3	207.6	217.5	214.6	211.3	211.7	215.0
8	200.1	.....	201.7	198.0	198.0	212.2	207.0	222.4	214.7	216.0	216.4	212.0
9	199.9	.....	200.1	211.0	197.9	202.0	208.1	221.4	217.2	211.7	211.4	198.4
10	199.7	.....	201.8	198.3	197.8	200.7	202.2	221.2	215.1	202.0	211.1	199.2
11	199.7	.....	199.9	213.9	197.9	213.5	206.6	217.6	213.3	212.4	208.5	199.7
12	199.5	.....	199.7	202.5	197.9	212.1	207.5	216.6	216.5	201.8	210.3	199.6
13	199.5	.....	199.4	199.3	197.9	201.3	206.9	221.7	214.5	216.5	211.3	204.0
14	199.3	.....	199.3	198.7	197.9	211.3	206.7	.....	215.2	213.5	212.0	198.5
15	214.9	.....	199.2	198.5	200.6	212.8	206.7	.....	213.4	213.5	211.3	.....
16	215.6	.....	199.0	211.5	198.6	216.2	206.6	216.2	215.0	213.6	205.5	196.1
17	.....	.....	198.9	214.6	208.2	207.5	201.3	215.9	212.8	213.8	214.8	212.9
18	.....	.....	198.8	201.8	199.5	207.9	204.6	204.5	213.7	218.2	.....	198.9
19	.....	.....	198.9	199.4	209.4	218.0	217.6	203.8	213.9	218.8	.....	198.8
20	.....	.....	198.9	199.1	210.4	212.6	211.2	.....	212.6	215.8	211.1	198.4
21	.....	.....	198.8	198.7	200.3	217.6	214.0	216.4	217.0	218.0	212.5	208.9
22	.....	.....	198.7	198.7	199.9	213.8	226.7	215.5	212.4	219.7	200.9	213.5
23	.....	.....	198.6	198.6	199.9	202.1	211.2	216.6	211.6	213.7	199.0	215.1
24	.....	.....	198.7	198.3	199.9	212.5	215.3	221.4	211.3	215.1	210.6	.....
25	.....	.....	198.6	198.4	199.6	201.7	215.0	216.9	208.5	213.0	198.2	.....
26	.....	.....	198.6	198.4	209.2	215.0	215.0	220.0	206.7	213.0	207.2	217.1
27	.....	.....	198.4	198.4	209.6	211.5	215.7	217.0	215.7	213.0	209.4	212.2
28	.....	215.0	197.8	198.3	199.7	202.5	215.8	216.7	211.4	202.3	209.6	210.6
29	.....	.....	197.7	203.0	219.9	203.1	215.7	222.2	210.7	202.9	209.7	195.9
30	.....	.....	197.7	198.1	189.2	213.3	216.1	221.5	210.5	202.8	210.2	210.4
31	.....	.....	197.8	.....	189.2	.....	221.8	218.5	.....	.....	.....	209.5

Ou-87. Louisville Cooperage. Jackson St., Monroe. Drilled industrial artesian well in Sparta sand, diameter 4 inches, depth 510 feet, screen at 470-510. Highest water level 101.00 below lsd, Dec. 22, 1948; lowest 133.72 below lsd, Aug. 27, 1951. Records available: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	131.62	Apr. 2	129.96	June 26	131.56	Sept. 25	132.22
Feb. 7	130.53	30	129.75	July 24	132.16	Oct. 23	132.58
26	130.50	June 5	130.96	Aug. 27	133.72	Dec. 4	131.14

Ou-88. Fred Peters. Irregular sec. 52, T. 17 N., R. 3 E., 0.25 mile west of U. S. Highway 165. Drilled unused artesian well in Sparta sand, diameter 6 to 4 inches, depth 401 feet. Highest water level 47.43 below lsd, Mar. 29, 1948; lowest 60.18 below lsd, Dec. 4, 1951. Records available: 1947-51.

Jan. 3	55.93	Apr. 2	55.66	June 26	57.77	Sept. 25	59.48
Feb. 7	55.12	30	56.41	July 24	57.59	Oct. 23	60.04
26	55.09	June 5	58.57	Aug. 27	59.49	Dec. 4	60.18

Ou-94. Angels Tourist Court. S $\frac{1}{2}$  irregular sec. 38, T. 18 N., R. 4 E., near U. S. Highway 80. Drilled unused artesian well in Sparta sand, diameter 4 inches, depth 890 feet. Highest water level 74.42 below lsd, Apr. 11, 1946; lowest 92.61 below lsd, Aug. 27, 1951. Records available: 1946-51.

Jan. 3	90.48	Apr. 3	90.43	June 26	91.32	Sept. 25	92.24
Feb. 6	90.34	30	90.45	July 24	91.56	Oct. 23	92.39
26	90.46	June 5	91.04	Aug. 27	92.61	Dec. 5	92.25

Ou-96. Department of the Air Force. Selman Field No. 2, Monroe. Drilled public-supply artesian well in Sparta sand, diameter 12 inches, depth 364 feet, screen at 280-364. Highest water level 65.04 below lsd, Mar. 5, 1946; lowest 107.34 below lsd, June 26, 1951. Records available: 1946, 1948-51.

Jan. 3	89.25	June 5	88.96	Aug. 27	89.09	Oct. 23	87.05
Apr. 3	87.67	26	107.34	Sept. 25	87.30	Dec. 5	89.49
30	87.37	July 24	90.29	.....	.....	.....	.....

Ou-100. City of Monroe. NE $\frac{1}{4}$  sec. 67, T. 18 N., R. 4 E. Drilled unused artesian well in Sparta sand, diameter 3 inches, depth 695 feet, screen at 675-695. Highest water level 89.4 below lsd, June 8, 1946; lowest 109.3 below lsd, Sept. 3-5, 1951. Records available: 1946-51.

Ou-100--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	107.7	106.8	106.6	106.7	106.9	107.7	108.1	108.5	109.2	.....	109.0	108.9
2	107.5	106.9	106.6	106.7	106.9	107.7	108.0	108.5	109.2	.....	109.0	108.8
3	107.3	106.7	106.6	106.7	106.9	107.7	107.9	108.5	109.3	.....	109.1	108.7
4	107.4	106.7	106.6	106.8	106.9	107.7	107.9	108.6	109.3	.....	109.0	108.7
5	107.4	106.6	106.6	106.7	106.9	107.7	107.9	108.6	109.3	.....	109.0	108.6
6	107.3	106.5	106.6	106.6	106.9	107.7	107.9	108.7	109.2	.....	109.0	108.6
7	107.4	106.7	106.6	106.6	107.0	107.7	107.9	108.7	109.1	.....	109.0	108.7
8	107.4	106.7	106.6	106.7	107.0	107.7	107.9	108.7	109.1	.....	109.1	108.7
9	107.3	106.7	106.6	106.7	106.9	107.8	107.9	108.7	109.0	.....	109.0	108.8
10	107.2	106.7	106.6	106.7	106.9	107.8	107.9	108.8	109.0	.....	109.0	108.8
11	107.2	106.7	106.5	106.7	106.9	107.8	107.9	108.9	109.0	.....	109.0	108.7
12	107.2	106.6	106.6	106.7	106.9	107.8	108.0	108.9	109.0	.....	108.9	108.6
13	107.1	106.7	106.6	106.8	107.0	107.8	108.0	109.0	108.9	.....	108.8	108.6
14	107.0	106.7	105.5	106.8	107.0	107.8	108.0	109.0	108.9	.....	108.8	198.5
15	107.1	106.7	106.6	106.8	107.1	107.8	108.0	109.0	108.9	.....	108.8	108.7
16	107.1	106.7	106.5	106.9	107.1	107.7	108.0	109.1	108.9	.....	108.9	108.7
17	107.0	106.7	106.5	106.9	107.0	107.7	108.1	109.1	108.9	.....	109.1	108.6
18	107.0	106.7	106.6	106.9	107.0	107.7	108.1	109.1	108.9	.....	109.1	108.5
19	107.0	106.6	106.7	106.8	107.1	107.7	108.1	109.1	108.9	.....	109.0	108.4
20	107.0	106.6	106.7	106.9	107.1	107.7	107.1	109.1	108.9	.....	109.0	108.1
21	107.1	106.7	106.8	106.8	107.1	107.7	108.1	109.1	108.9	.....	109.0	108.3
22	107.1	106.7	106.8	106.9	107.2	107.7	108.1	109.1	108.8	.....	109.0	108.3
23	106.9	106.7	106.8	107.0	107.2	107.7	108.2	109.1	108.9	108.9	108.9	108.3
24	107.0	106.7	106.9	107.0	107.2	107.8	108.1	109.1	108.9	109.1	108.9	108.3
25	107.0	106.7	106.9	107.0	107.3	107.8	108.1	109.1	108.9	109.1	108.9	108.3
26	106.9	106.8	106.9	107.0	107.3	107.9	108.1	109.1	108.8	109.1	108.9	108.3
27	106.9	106.6	106.8	107.0	107.5	108.0	108.2	109.1	.....	109.0	108.9	108.4
28	106.8	106.6	106.6	107.0	107.5	108.1	108.2	109.1	.....	109.0	108.9	108.2
29	106.9		106.7	106.9	107.6	108.1	108.3	109.2	.....	109.0	108.9	108.0
30	106.9		106.7	106.9	107.6	108.1	108.4	109.2	.....	109.0	108.9	108.0
31	106.7		106.7		107.7		108.4	109.2		109.0		108.0

Ou-102. City of Monroe. NW. corner sec. 6, T. 18 N., R. 4 E. Drilled observation well in Sparta sand, diameter 3 inches, depth 750 feet, screen at 730-750. Highest water level 78.90 below lsd, July 30, 1946; lowest 95.46 below lsd, Oct. 23, 1951. Records available: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	93.18	May 1	93.78	June 26	94.59	Sept. 26	95.11
Apr. 3	93.56	June 5	94.60	Aug. 28	95.35	Oct. 23	95.46

Ou-120. S. H. Thatcher. SE. corner sec. 39, T. 19 N., R. 3 E., 501 Speed Drive, Monroe. Drilled domestic artesian well in Sparta sand, diameter 4 inches, depth 650 feet. Highest water level 72.29 below lsd, June 29, 1949; lowest 92.39 below lsd, Dec. 5, 1951. Records available: 1946-51.

Jan. 3	89.84	Apr. 3	90.37	June 27	90.80	Sept. 26	91.66
Feb. 6	90.27	May 1	90.57	July 25	91.28	Oct. 23	92.08
27	90.05	June 5	91.07	Aug. 28	91.76	Dec. 5	92.39

Ou-133. Southern Carbon Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 19 N., R. 4 E. Drilled industrial artesian well in Recent sand, diameter 8 inches, depth 90 feet. Highest water level 7.49 below lsd, Apr. 3, 1951; lowest 13.20 below lsd, Oct. 26, 1948. Records available: 1947-51.

Jan. 3	8.30	Apr. 3	7.49	June 27	8.89	Sept. 26	10.00
Feb. 6	7.86	May 1	7.79	July 25	9.10	Oct. 23	10.44
27	7.58	June 5	8.64	Aug. 28	9.75	Dec. 5	10.31

Ou-141. Southern Carbon Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 19 N., R. 4 E. Drilled unused artesian well in Sparta sand, diameter 6 inches, depth 610 feet. Highest water level 46.10 below lsd, Oct. 4, 1949; lowest 51.66 below lsd, Dec. 5, 1951. Records available: 1948-51.

Jan. 3	47.10	Apr. 3	48.41	June 27	50.08	Sept. 26	50.98
Feb. 6	48.00	May 1	48.87	July 25	50.12	Oct. 23	51.48
27	47.86	June 5	49.86	Aug. 28	50.97	Dec. 5	51.66



Rapides Parish

R-21. City of Alexandria. Fourth and St. James Sts. Drilled unused artesian well in Catahoula sand,\*diameter 6 inches, depth 606 feet. Land-surface datum is 75.75 feet above msl. Highest water level 65.55 below lsd, Feb. 2, 1940; lowest 168.81 below lsd, Aug. 24, 1943. Records available: 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	124.34	July 23	124.14	Sept. 25	123.88	Dec. 4	117.93
May 29	123.94	Aug. 31	116.87	Oct. 26	120.52	28	116.92
June 26	121.05						

R-26. Missouri Pacific Railroad. North 13th Street, Alexandria. Drilled unused artesian well in Catahoula sand,\*diameter 10 inches, depth 1,100 feet. Highest water level 88.80 below lsd, Mar. 10, 1939; lowest 165.94 below lsd, Sept. 21, 1944. Records available: 1938-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	114.4	116.7	116.7	115.6	114.9	124.9	124.7	135.5	144.0	136.9	130.8	125.7
2	114.2	119.8	116.7	115.6	115.0	124.1	125.7	135.7	144.5	138.2	130.6	125.6
3	114.1	122.1	116.7	115.6	115.1	122.6	127.5	136.1	144.9	138.9	130.1	125.4
4	114.0	121.5	116.7	115.5	115.1	121.8	128.6	136.3	145.0	139.4	129.8	125.1
5	114.0	122.9	116.6	115.5	115.2	121.2	128.6	136.4	145.1	139.6	129.4	125.0
6	114.1	125.3	116.6	115.5	115.4	120.8	129.1	136.4	145.3	139.4	129.0	124.8
7	114.1	126.6	116.6	115.5	115.5	120.6	129.1	136.6	145.4	137.2	128.7	124.8
8	114.0	124.1	116.6	115.5	115.5	120.5	128.9	136.7	145.6	136.5	128.5	124.7
9	113.9	122.8	116.6	115.5	115.5	120.6	128.3	137.0	145.7	138.0	128.3	124.5
10	113.8	121.7	116.6	115.4	115.5	120.7	127.1	137.3	145.6	138.9	128.2	124.4
11	113.8	121.0	116.6	115.4	115.6	120.5	126.3	137.5	145.6	139.4	128.1	124.2
12	113.8	120.3	116.6	115.4	115.6	120.4	127.3	137.7	145.5	139.6	127.8	124.0
13	113.7	119.8	116.5	115.4	115.5	120.4	127.9	137.6	145.5	138.0	127.5	123.9
14	113.6	119.5	116.5	115.4	115.5	120.4	129.7	137.8	145.5	136.3	127.4	123.8
15	113.5	119.2	116.5	115.4	115.5	120.4	131.8	139.1	145.5	135.3	127.4	123.8
16	113.4	119.0	116.4	115.4	115.5	120.4	133.2	140.0	145.6	134.5	127.4	123.7
17	113.4	118.7	116.3	115.3	115.6	120.3	133.0	140.7	145.6	134.0	127.5	123.4
18	113.4	118.4	116.3	115.3	115.9	120.2	132.6	141.6	145.6	133.7	127.4	123.2
19	113.4	118.1	116.2	115.3	116.0	120.1	132.9	141.8	144.4	133.4	127.3	123.1
20	113.5	117.8	116.2	115.3	116.9	120.0	133.7	142.3	143.6	133.2	127.1	123.0
21	113.7	117.6	116.1	115.1	117.1	120.0	134.2	142.6	143.2	133.0	127.1	123.0
22	113.6	117.4	116.1	115.1	117.2	120.2	134.5	142.8	142.1	132.7	127.0	123.0
23	113.6	117.3	116.1	115.0	117.3	121.2	134.6	143.0	139.5	132.4	126.9	122.9
24	113.6	117.3	116.1	115.0	117.5	121.0	134.7	143.2	138.5	132.3	126.7	122.8
25	113.6	117.2	116.1	115.0	117.6	120.9	134.8	143.3	139.6	132.1	126.6	122.5
26	113.6	117.0	116.0	115.0	117.8	120.6	135.1	143.5	140.1	131.8	126.5	122.3
27	113.5	116.8	115.7	114.9	117.9	120.6	135.2	143.6	140.4	131.6	126.3	122.1
28	113.3	116.8	115.4	114.9	118.0	120.7	135.2	144.0	140.6	131.5	126.2	121.8
29	113.2		115.3	114.9	119.3	120.9	135.2	144.2	140.3	131.3	126.0	121.5
30	113.0		115.3	114.9	120.4	122.8	135.2	144.1	138.0	131.1	125.9	121.5
31	112.9		115.6		123.9		135.3	144.0		130.9		121.3

R-35. Pine Products Co. In Alexandria. Drilled industrial artesian well in Catahoula sand,\*diameter 6 inches, depth 1,187 feet, screen at 1,147-1,187. Land-surface datum is 77.51 feet above msl. Highest water level 91.20 below lsd, Mar. 10, 1939; lowest 163.29 below lsd, Sept. 8, 1944. Records available: 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	130.95	July 23	141.68	Sept. 25	143.57	Dec. 4	136.88
June 4	136.16	Aug. 31	144.69	Oct. 26	141.73	28	131.07
25	135.31						

R-132. Boyce Ice Co. In Boyce. Unused artesian well in Catahoula sand,\*diameter 8 inches, depth 302 feet. Highest water level 19.48 below lsd, Mar. 2, 1950; lowest 48.31 below lsd, Aug. 31, 1951. Records available: 1950-51.

Jan. 6	28.58	May 29	33.49	Aug. 31	48.31	Oct. 26	43.48
Mar. 3	30.96	June 25	32.48	Sept. 28	43.51	Dec. 7	40.17
Apr. 5	29.27	July 23	39.76				

R-135. Arbuthnot Sawmill. In Zimmerman. Drilled domestic artesian well in Catahoula sand,\*diameter 4 to 2 inches, depth 450 feet. Highest water level 5.52 below lsd, Feb. 26, 1948; lowest 40.13 below lsd, Oct. 26, 1951. Records available: 1938-44, 1947-51.

\* Sand of Catahoula formation.

## R-135--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	32.53	Apr. 5	36.50	July 23	38.13	Oct. 26	40.13
Feb. 8	34.64	May 29	37.53	Aug. 30	39.16	Dec. 7	39.88
Mar. 3	35.37	June 25	36.50	Sept. 28	39.22		

R-381.\* Camp Livingston. Drilled unused artesian well in upland sand of Pleistocene age, diameter 12 inches, depth 127 feet, screen 106-127. Highest water level 65.25 below lsd, Aug. 25, 1950; lowest 85.06 below lsd, Feb. 24, 1950. Records available: 1942-51.

Jan. 27	66.06	Apr. 24	66.10	Aug. 27	66.30	Nov. 28	66.87
Feb. 26	66.13	May 29	65.95	Sept. 25	66.45	Dec. 28	66.99
Mar. 23	66.07	July 24	66.18	Oct. 26	66.63		

\* Listed in 1952 report in Grant Parish as G-127.

R-429. Dept. of the Army. At Alexandria Air Base. Highest water level 91.06 below lsd, May 16, 1949; lowest 102.98 below lsd, Jan. 25, 1950. Records available: 1949-50. Measurement discontinued.

R-453. City of Alexandria. Corner of Turegaeno and Overton Sts. Drilled public-supply well in sand of Recent age, diameter 6 inches, depth 114 feet. Highest water level 1.56 above lsd, Feb. 24, 1950; lowest 12.21 below lsd, Oct. 26, 1951. Records available: 1949-51. Sept. 25, 10.45; Oct. 26, 12.21; Dec. 4, 11.66; Dec. 28, 9.18.

## St. Charles Parish

Sc-6. Shell Oil Co. N $\frac{1}{2}$  sec. 6, T. 12 S., R. 8 E., 1,000 feet south of Louisiana & Arkansas Railway tracks, in refinery. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 404 feet. Highest water level 36.52 below lsd, July 21, 1943; lowest 79.28 below lsd, Nov. 5, 12, 1950. Records available: 1943-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.7	.....	70.7	72.4	....	67.1	63.8	70.1	71.8	69.0	....	71.7
2	76.6	....	70.5	70.8	....	66.5	61.9	70.7	71.6	69.5	....	71.6
3	75.9	....	70.9	64.2	65.3	66.7	65.0	70.8	71.6	71.5	....	71.6
4	76.2	....	72.5	63.1	65.8	66.1	66.2	68.5	69.3	72.0	....	65.4
5	77.0	....	....	66.2	65.6	63.1	63.8	67.7	68.4	72.5	....	69.4
6	77.2	....	....	68.2	67.3	66.6	64.5	69.7	71.0	72.2	....	71.5
7	77.7	68.4	....	69.3	65.8	65.6	64.6	67.7	71.5	71.8	71.6	72.3
8	77.8	68.3	70.8	69.7	65.4	64.4	64.6	68.0	71.8	69.3	69.8	72.3
9	77.0	68.3	70.3	71.2	65.3	65.1	64.6	70.3	68.0	72.2	68.9	71.9
10	76.9	68.1	70.3	68.0	65.2	65.3	64.8	70.8	67.6	72.2	69.2	73.1
11	76.7	68.0	68.7	69.8	66.7	65.4	66.2	71.0	67.6	72.4	71.5	74.0
12	76.8	67.9	70.3	68.9	64.8	65.9	65.3	70.9	71.0	72.8	71.5	74.6
13	76.8	67.9	68.6	67.0	67.0	65.5	65.0	71.0	71.9	72.7	71.4	72.5
14	76.9	67.6	67.1	66.5	67.9	62.3	65.3	70.9	71.9	72.5	71.6	73.8
15	76.7	67.2	67.2	68.4	63.9	65.3	64.9	71.3	71.8	72.6	72.0	....
16	76.7	65.7	64.3	65.7	65.8	65.7	64.7	71.0	71.7	72.4	71.9	....
17	76.7	67.2	66.7	66.8	61.9	65.9	64.7	71.2	71.9	72.2	72.0	....
18	77.0	67.3	69.6	66.9	64.0	65.7	66.0	71.5	73.0	72.8	72.0	....
19	74.2	67.3	68.5	....	64.5	65.3	70.2	62.9	71.8	72.4	72.0	....
20	76.1	67.3	....	....	64.9	65.9	72.2	65.6	71.9	70.8	72.0	72.3
21	76.2	67.7	....	....	64.7	65.7	68.9	65.7	72.1	68.7	71.4	70.4
22	73.7	67.3	....	....	64.8	66.2	68.8	65.6	71.9	71.0	71.4	69.5
23	74.0	67.1	69.5	....	65.1	65.9	68.8	....	71.7	71.2	69.8	69.3
24	....	67.1	69.6	....	65.5	68.4	69.0	....	71.7	69.8	70.9	69.3
25	70.7	67.0	69.6	....	65.7	65.8	69.2	71.4	70.0	74.4	71.2	69.7
26	70.0	68.1	70.0	....	65.3	63.8	69.0	71.5	71.7	73.2	72.8	69.0
27	70.4	70.1	71.5	....	65.1	67.9	70.6	71.9	71.5	73.4	71.5	69.3
28	72.2	70.3	70.4	....	65.0	67.3	70.5	71.7	71.9	73.3	....	69.0
29	74.4	....	70.1	....	67.9	67.0	70.6	71.7	71.5	73.1	71.5	71.0
30	70.0	....	71.3	....	....	63.0	70.0	72.2	71.2	73.4	71.6	71.7
31	69.5	....	72.3	....	68.7	....	70.6	71.8	....	73.2	....	68.6

Sc-9. Shell Oil Co. N $\frac{1}{2}$  sec. 6, T. 12 S., R. 8 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 to 10 inches, depth 777 feet. Highest water level 11.71 below lsd, Jan. 19, 1950; lowest 32.53 below lsd, Nov. 10, 1951. Records available: 1950-51.

Sc-9--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.6	....	25.0	24.2	29.4	30.6	31.1	31.4	32.2	32.2	....	32.3
2	20.6	....	24.9	24.3	29.5	30.6	31.2	31.4	32.2	32.2	....	32.3
3	20.5	....	24.8	24.3	28.5	30.7	31.1	31.5	32.2	32.1	....	32.2
4	20.8	....	24.6	24.2	29.4	30.7	31.1	31.6	32.2	30.8	....	32.3
5	20.8	....	24.6	24.3	29.5	30.8	31.1	31.6	32.0	31.0	....	32.2
6	20.8	....	24.6	24.2	29.6	30.6	31.1	31.5	32.2	30.4	....	32.2
7	20.8	27.4	24.5	24.1	29.6	30.7	31.1	31.6	32.2	31.8	....	32.3
8	20.9	27.6	24.3	24.1	29.5	30.7	31.1	31.7	32.2	32.0	32.4	32.3
9	20.9	27.6	24.4	24.1	26.2	30.7	31.0	31.7	32.2	30.1	32.4	32.3
10	20.8	27.7	24.3	24.3	25.7	30.8	30.9	31.8	32.2	29.8	32.5	32.3
11	20.7	27.7	24.2	24.1	26.3	30.8	....	31.9	....	29.8	32.4	32.3
12	20.8	27.7	24.2	24.9	28.6	30.9	31.1	32.0	....	29.7	32.3	32.2
13	20.7	27.8	24.3	25.8	29.0	30.9	31.2	32.0	32.1	29.7	32.2	32.2
14	20.6	27.7	24.3	25.2	29.2	31.0	31.2	30.9	32.1	29.6	32.2	32.2
15	20.6	25.4	24.4	25.7	29.4	31.0	31.2	32.0	32.1	29.6	32.2	32.3
16	20.7	25.3	24.4	25.9	29.4	31.0	31.2	31.6	32.0	29.5	32.3	32.4
17	20.7	27.0	24.4	26.3	29.5	31.0	31.2	32.1	32.0	29.5	32.3	32.4
18	19.6	27.4	24.3	26.5	29.6	31.0	31.3	32.1	32.0	29.4	32.3	....
19	20.2	27.5	24.4	....	29.7	30.9	31.2	32.2	32.0	29.4	32.4	....
20	20.3	25.7	24.3	....	29.8	31.0	31.2	32.1	32.1	31.1	32.4	....
21	20.3	25.2	24.3	....	29.8	31.0	31.3	32.0	32.0	31.5	32.3	32.1
22	20.2	26.7	24.2	....	29.9	31.0	31.3	32.0	32.0	31.8	32.3	32.2
23	20.2	26.0	24.3	....	30.0	31.0	31.3	31.9	31.9	31.8	32.3	32.2
24	24.0	27.4	24.3	....	30.2	30.9	31.4	31.9	31.9	31.9	32.2	32.3
25	24.6	27.5	24.3	29.1	30.2	31.0	31.3	31.9	31.9	32.0	32.2	32.2
26	25.5	27.6	24.3	29.2	30.2	31.0	31.3	31.9	31.9	32.1	32.2	32.2
27	26.0	25.8	24.3	29.3	30.2	31.0	31.2	....	....	32.1	32.2	32.2
28	24.0	25.1	24.2	29.3	30.2	31.0	31.2	31.1	31.1	32.1	....	32.2
29	23.7	....	24.1	29.4	30.3	31.0	31.2	32.1	32.1	32.1	32.2	32.2
30	26.0	....	24.2	29.4	30.4	31.1	31.3	32.1	32.1	32.2	32.3	32.2
31	....	....	24.2	....	30.5	....	31.3	....	....	32.2	....	32.3

## St. Landry Parish

SL-10. Cankton Gin Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 8 S., R. 3 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 to 2 inches, depth 210 feet, screen at 190-210. Land-surface datum is 45.94 feet above msl. Highest water level 36.24 below lsd, Jan. 7, 1948; lowest 47.57 below lsd, Aug. 6, 1947. Records available: 1944-51. Mar. 6, 41.99.

SL-26. George Parker. Irregular sec. 71, T. 4 S., R. 5 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 6 inches, depth 217 feet. Land-surface datum is 58.09 feet above msl. Highest water level 38.77 below lsd, Apr. 5, 1944; lowest 47.26 below lsd, Dec. 10, 1948. Records available: 1944-51. Mar. 5, 44.06; Sept. 18, 44.85.

SL-40. Dalfrey Bros. cotton gin. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 53, T. 7 S., R. 5 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 inches, depth 165 feet. Land-surface datum is 29.05 feet above msl. Highest water level 11.53 below lsd, July 9, 1946; lowest 19.80 below lsd, Sept. 12, 1949. Records available: 1944-51. Mar. 6, 15.09.

SL-43. E. C. Simmons. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 6 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 211 feet, screen at 121-204. Land-surface datum is 60.71 feet above msl. Highest water level 52.20 below lsd, Apr. 20, 1944; lowest 74.42 below lsd, Sept. 17, 1951. Records available: 1944-51. Mar. 5, 63.52; Sept. 17, 74.42.

SL-48. Sadie Fuselier. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, T. 8 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 279 feet, screen at 218-279. Land-surface datum is 51.24 feet above msl. Highest water level 43.09 below lsd, Apr. 20, 1944; lowest 105.05 below lsd, July 8, 1948. Records available: 1944-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	62.13	Feb. 12	59.81	Mar. 26	57.90	May 14	78.19
8	61.84	19	59.35	Apr. 3	57.56	28	92.27
15	61.28	26	59.03	9	57.21	June 4	95.79
22	60.94	Mar. 5	58.55	16	57.50	19	94.27
29	60.50	12	58.39	23	58.02	July 2	95.64
Feb. 5	60.39	19	58.04	May 2	63.62	9	98.09

## SL-48--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 16	102.52	Aug. 28	92.91	Oct. 9	81.59	Nov. 20	75.74
25	102.97	Sept. 5	91.57	16	80.17	27	74.77
31	98.52	11	88.52	24	79.03	Dec. 4	73.90
Aug. 7	96.45	20	85.27	30	78.21	11	73.13
14	98.55	25	84.00	Nov. 6	77.34	18	72.40
21	95.18	Oct. 2	82.31	14	76.29	27	71.55

SL-50. J. Morrison. SW $\frac{1}{4}$  sec. 49, T. 6 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 300 feet. Land-surface datum is 54.97 feet above msl. Highest water level 53.99 below lsd, Mar. 12, 1947; lowest 83.76 below lsd, Oct. 9, 1947. Records available: 1947-51. Mar. 5, 63.20.

SL-57. Sun Oil Co. Irregular sec. 37, T. 7 S., R. 4 E., 2 miles west-northwest of Sunset on State Highway 5. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet. Land-surface datum is 50.45 feet above msl. Highest water level 38.83 below lsd, May 9, 1944; lowest 46.13 below lsd, Dec. 9, 1948. Records available: 1944, 1948-51. Mar. 6, 45.17. Measurement discontinued.

SL-74. Albert Huckaby. Irregular sec. 84, T. 6 S., R. 4 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 180 feet, screen at 165-180. Land-surface datum is 46.19 feet above msl. Highest water level 33.13 below lsd, Mar. 20, 1950; lowest 37.32 below lsd, Sept. 17, 1951. Records available: 1949-51.

Jan. 2	35.99	Jan. 22	35.73	Feb. 12	35.10	Mar. 5	34.97
8	35.86	29	35.63	19	34.92	Sept. 17	37.32
15	35.76	Feb. 5	35.43	26	34.92		

SL-82. Jimmy M. Miller. Irregular sec. 58, T. 5 S., R. 4 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 22 to 10 inches, depth 282 feet, screen at 232-282. Land-surface datum is 74.93 feet above msl. Highest water level 65.04 below lsd, Apr. 29, 1949; lowest 68.11 below lsd, Sept. 18, 1951. Records available: 1949-51.

Jan. 2	66.32	Jan. 22	66.57	Feb. 12	66.34	Mar. 5	66.40
8	66.77	29	66.56	19	66.31	Sept. 18	68.11
15	66.62	Feb. 5	66.48	26	66.45		

SL-86. Immaculate Conception School. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 4 S., R. 5 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 to 2 inches, depth 148 feet. Land-surface datum is 39.98 feet above msl. Highest water level 11.50 below lsd, Mar. 22, 1950; lowest 19.88 below lsd, Sept. 18, 1951. Records available: 1948-51. Mar. 5, 13.73; Sept. 18, 19.88. Measurement discontinued.

SL-94. First National Bank of Crowley. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T. 6 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 300 feet. Land-surface datum is 64.92 feet above msl. Highest water level 58.71 below lsd, Mar. 22, 1950; lowest 62.55 below lsd, Sept. 17, 1951. Records available: 1950-51. Mar. 5, 59.22; Sept. 17, 62.55.

SL-104. Joe A. Fontenot. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, T. 3 S., R. 4 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 230 feet, screen at 150-230. Highest water level 4.58 below lsd, Mar. 5, 1951; lowest 14.02 below lsd, Sept. 18, 1951. Records available: 1950-51. Mar. 5, 4.58; Sept. 18, 14.02.

SL-120. Thistlewaite Planting Co. Center of irregular sec. 44, T. 4 S., R. 4 E. Highest water level 15.48 below lsd, Sept. 28, 1950; lowest 34.96 below lsd, June 30, 1950. Records available: 1950-51. Mar. 5, 17.89. Measurement discontinued.

SL-126. L. Darby. W $\frac{1}{2}$  irregular sec. 62, T. 7 S., R. 5 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 inches, depth 160 feet. Land-surface datum is 27.52 feet above msl. Highest water level 12.95 below lsd, Mar. 6, 1951; lowest 17.43 below lsd, Sept. 18, 1951. Records available: 1950-51. Mar. 6, 12.95; Sept. 18, 17.43.

SL-127. Pan-Am Production Co. Sec. 4, T. 6 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 160 feet. Land-surface datum is 18.34 feet above msl. Highest water level 1.98 below lsd, Mar. 5, 1951; lowest 7.91 below lsd, Sept. 17, 1951. Records available: 1950-51. Mar. 5, 1.98; Sept. 17, 7.91.

St. Martin Parish

SMn-20. Smedes Bros. Sugar Mill. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 11 S., R. 5 E., at Cade Station. Drilled unused artesian well in sand of Pleistocene age, diameter 10 inches, depth 285 feet. Land-surface datum is 30.57 feet above msl. Highest water level 16.57 below lsd, July 9, 1946; lowest 26.60 below lsd, Dec. 9, 1948. Records available: 1944-51. Mar. 7, 20.87; Sept. 19, 25.38.

SMn-51. People's Cotton Oil Co. Sec. 35, T. 8 S., R. 6 E., 1.2 miles northeast of Champagne. Drilled industrial artesian well in sand of Pleistocene age, diameter 2 inches, depth 125 feet, screen at 90-122. Land-surface datum is 19.57 feet above msl. Highest water level 0.99 below lsd, Mar. 20, 1950; lowest 9.88 below lsd, Nov. 3, 1947. Records available: 1944-51. Mar. 6, 3.08.

SMn-62. Ernest Fuselier. T. 8 S., R. 6 E., 2.4 miles southeast of Arnaudville on State Highway 401. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 85 feet, screen at 70-85. Land-surface datum is 27.35 feet above msl. Highest water level 9.98 below lsd, July 9, 1946; lowest 17.05 below lsd, Sept. 18, 1951. Records available: 1944-51. Mar. 6, 12.38; Sept. 18, 17.05.

SMn-63. L. Charles Willis. Irregular sec. 47, T. 8 S., R. 6 E., 3.5 miles east of Arnaudville. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet, screen at 180-200. Land-surface datum is 17.43 feet above msl. Highest water level 0.04 above lsd, Mar. 20, 1950; lowest 17.43 below lsd, Sept. 8, 1947. Records available: 1944-51. Mar. 6, 2.50; Sept. 18, 8.61.

SMn-68. A. R. Fuselier. Irregular sec. 7, T. 11 S., R. 7 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 200 feet, screen at 170-200. Land-surface datum is 15.37 feet above msl. Highest water level 2.51 below lsd, Aug. 6, 1946; lowest 8.20 below lsd, Sept. 7, 1948. Records available: 1944-51. Mar. 7, 4.37; Sept. 19, 7.18.

SMn-86. Continental Oil Co. Irregular sec. 82, T. 10 S., R. 6 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 300 feet. Land-surface datum is 13.70 feet above msl. Highest water level 0.59 below lsd, Mar. 11, 1947; lowest 6.75 below lsd, Sept. 19, 1951. Records available: 1947-51. Mar. 7, 4.18; Sept. 19, 6.75.

SMn-88. Hunter Oil Co. Irregular sec. 72, T. 9 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet. Land-surface datum is 17.75 feet above msl. Highest water level 5.35 below lsd, Mar. 20, 1950; lowest 12.31 below lsd, Sept. 18, 1951. Records available: 1949-51. Mar. 6, 7.13; Sept. 18, 12.31.

St. Tammany Parish

St-2. Mayer Israel. At Covington, in NE $\frac{1}{4}$  sec. 7, T. 6 S., R. 11 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 3 inches, depth 1,620 feet, screen at 1,503-1,543. Highest water level 88.5 above lsd, Mar. 13, 1943; lowest 74.3 above lsd, Sept. 11, 1950. Records available: 1939-51. Mar. 1, +79.5; July 6, +82.8; Nov. 24, +79.7.

St-6. Poitevent & Favre Lumber Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 7 S., R. 13 E., on south side of Highway 114. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 400 feet. Highest water level 6.5 above lsd, Sept. 12, 1939; lowest 0.5 above lsd, Nov. 24, 1951. Records available: 1939-51. Feb. 28, +1.3; July 5, +1.8; Nov. 24, +0.5.

St-10. State Fish Hatchery. At Lacombe in sec. 38, T. 8 S., R. 12 E., south well. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 1,240 feet, screen at 1,140-1,240 feet. Highest water level 38.6 above lsd, Sept. 12, 1939; lowest 27.4 above lsd, Sept. 3, 1947. Records available: 1939-51. Feb. 28, +29.0; July 5, +29.0; Nov. 24, +27.9.

St-12. Techefunte State Park. In park, sec. 43, T. 8 S., R. 12 E., on abandoned golf course. Drilled unused artesian well in sand of Pleistocene age, diameter 6 in., depth 1,530 feet. Highest water level 54.75 above lsd, July 25, 1940; lowest 31.7 above lsd, Nov. 24, 1951. Records available: 1939-51. Feb. 28, +47.7; July 5, +47.0; Nov. 24, +31.7.

St-16. Bogalusa Tung Co. Formerly Great Southern Lumber Co. In sec. 29, T. 5 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,000 feet. Highest water level 38.1 above lsd, July 11, 1946; lowest 22.7 above lsd, Nov. 24, 1951. Records available: 1939-51. Mar. 1, +31.2; July 6, +33.5; Nov. 24, +22.7.

St-51. Leon Gibert. Sec. 42, T. 7 S., R. 11 E. Drilled domestic well in sand of Pleistocene age, diameter 4 inches, depth 940 feet. Highest water level 96.6 above lsd, July 6, 1951; lowest 80.9 above lsd, Nov. 24, 1951. Records available: 1950-51. Mar. 1, +82.6; July 6, +96.6; Nov. 24, +80.9.

St-95. McLane City Club. Sec. 44, T. 9 S., R. 14 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 600 feet. Highest water level 7.3 above lsd, Apr. 4, 1947; lowest 2.9 above lsd, Nov. 24, 1951. Records available: 1947-51. Feb. 28, +4.2; July 5, +5.0; Nov. 24, +2.9.

St-117. State Department of Highways. SE $\frac{1}{4}$  sec. 37, T. 8 S., R. 14 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 900 feet. Highest water level 24.4 above lsd, Apr. 4, 1947; lowest 12.8 above lsd, Apr. 18, 1950. Records available: 1947-51. Feb. 28, +17.8; July 5, +18.0; Nov. 24, +14.7.

St-1020. H. D. Howser Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, T. 7 S., R. 14 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 265 feet. Highest water level 19.8 above lsd, Apr. 6, 1944; lowest 13.0 above lsd, Sept. 12, 1950. Records available: 1942, 1944-51. Feb. 28, +13.5; July 5, +15.8.

St-1043. A. T. Flot. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 6 S., R. 12 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 $\frac{1}{2}$  in., depth 648 feet. Highest water level 10.9 above lsd, June 20, 1950; lowest 7.6 above lsd, Nov. 24, 1951. Records available: 1950-51. Nov. 24, +7.6.

#### Tangipahoa Parish

Ta-7. Town of Ponchatoula. In Ponchatoula, about 50 feet west of pumping station. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 654 feet. Highest water level 10.8 above lsd, Feb. 3, 1942; lowest 4.7 above lsd, Sept. 11, 1950. Records available: 1939-51. Feb. 28, +8.2; July 5, +8.0; Nov. 23, +7.5.

Ta-8. Louisiana Cypress Lumber Co. Highest water level 8.5 above lsd, Feb. 8, 1949; lowest 4.6 above lsd, May 11, 1943. Records available: 1939-50. Measurement discontinued.

Ta-17. Carl Blumquist. Center of NE $\frac{1}{4}$  sec. 6, T. 6 S., R. 8 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 495 feet. Highest water level 5.1 above lsd, Dec. 29, 1947; lowest 0.8 above lsd, Nov. 23, 1951. Records available: 1939-51. Feb. 28, +3.4; July 5, +1.8; Nov. 23, +0.8.

Ta-19. V. Stevens. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 7 S., R. 8 E., in field. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 535 feet, screen at 515-535. Highest water level 19.5 above lsd, Apr. 12, 1950; lowest 13.4 above lsd, Sept. 2, 1947. Records available: 1939-51. Feb. 28, +18.1; July 5, +18.0; Nov. 23, +17.2.

Ta-21. Burns Davis. N $\frac{1}{2}$  irregular sec. 54, T. 7 S., R. 7 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 243 feet, screen at 227-243. Highest water level 8.9 above lsd, Aug. 9, 1939; lowest 5.7 above lsd, Nov. 28, 1950. Records available: 1939-51. Feb. 28, +6.0; July 5, +6.0; Nov. 23, +6.0.

Ta-24. Clyde Starkey. Center of sec. 53, T. 7 S., R. 7 E., in field. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 383 feet, screen at 363-383. Highest water level 6.6 above lsd, Apr. 7, 1944; lowest 1.8 above lsd, July 5, 1951. Records available: 1939-51. Feb. 28, +4.8; July 5, +1.8; Nov. 23, +3.7.

Ta-242. Byron Stevens. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, T. 7 S., R. 8 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 405 feet. Highest water level 14.9 above lsd, Apr. 3, 1947; lowest 9.1 above lsd, May 17, 1949. Records available: 1945-51. Feb. 28, +12.7; July 5, +12.3; Nov. 23, +10.3.

Ta-246. Town of Roseland. In Roseland, east side of Highway 51, 10 feet west of reservoir. Drilled public-supply artesian well in sand, diameter 6 inches, depth 1,250 feet, screen at 1,200-1,250. Highest water level 51.1 above lsd, Nov. 29, 1950; lowest 46.5 above lsd, July 6, 1951. Records available: 1949-51. Mar. 1, +50.4; July 6, +46.5.

Ta-248. Town of Amite. In Amite at intersection of U. S. Highway 51 and State Highway 35. Highest water level 71.8 above lsd, Mar. 15, 1950; lowest 65.0 above lsd, Apr. 19, 1950. Records available: 1950. Measurement discontinued.

Ta-252. Town of Independence. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 E. Drilled public-supply artesian well in sand of Pleistocene age, diameter 4 inches, depth 2,170 feet, screen at 2,107-2,170. Highest water level 87.4 above lsd, July 6, 1951; lowest 81.5 above lsd, Mar. 1, 1951. Records available: 1951. Mar. 1, +81.5; July 6, +87.4.

Vermilion Parish

Ve-5. Town of Abbeville. Records available: 1950. Measurement discontinued.

Ve-22. Maurice Ginning Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 11 S., R. 3 E., in Maurice. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 22.61 feet above msl. Highest water level 14.40 below lsd, Apr. 11, 1944; lowest 23.19 below lsd, Sept. 20, 1951. Records available: 1944-51. Feb. 6, 19.65; Mar. 7, 19.42; Sept. 20, 23.19; Nov. 8, 23.09; Dec. 10, 22.94.

Ve-28. Department of the Army. At Vermilion Locks on Intracoastal Canal. Drilled public-supply artesian well in sand of Pleistocene age, diameter 2 inches, depth 260 feet. Land-surface datum is 6.74 feet above msl. Highest water level 1.25 below lsd, Apr. 11, 1944; lowest 6.68 below lsd, Nov. 7, 1951. Records available: 1944-51. Feb. 6, 4.40; Mar. 8, 4.28; Sept. 20, 5.58; Nov. 7, 6.68.

Ve-30. S. Hebert. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 14 S., R. 3 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 430 feet, screen at 350-430. Land-surface datum is 5.21 feet above msl. Highest water level 1.37 below lsd, Mar. 11, 1947; lowest 5.88 below lsd, Nov. 7, 1951. Records available: 1946-51. Mar. 8, 2.96; Sept. 20, 5.82; Nov. 7, 5.88.

Ve-31. Vermilion Parish School Board. Sec. 28, T. 13 S., R. 3 E. Highest water level 4.77 below lsd, Mar. 8, 1951; lowest 10.81 below lsd, June 28, 1951. Records available: 1950-51. Feb. 6, 5.91; Mar. 8, 4.77; June 28, 10.81. Measurement discontinued.

Ve-37. Ulysses Duhon. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, T. 11 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 8 inches, depth 780 feet. Land-surface datum is 26.07 feet above msl. Highest water level 25.47 below lsd, Feb. 6, 1951; lowest 30.57 below lsd, June 27, 1951. Records available: 1951. Feb. 6, 25.47; June 27, 30.57; Nov. 8, 30.37.

Ve-41. C. Forman. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, T. 11 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 6 inches, depth 250 feet. Land-surface datum is 26.31 above msl. Highest water level 17.20 below lsd, Oct. 5, 1944; lowest 36.10 below lsd, July 7, 1948. Records available: 1944-51. Mar. 7, 26.51; Sept. 21, 34.25; Nov. 8, 34.08; Dec. 10, 31.08.

Ve-57. Onezie Vincent. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T. 11 S., R. 3 E. Highest water level 10.32 below lsd, Apr. 6, 1948; lowest 32.58 below lsd, Sept. 9, 1947. Records available: 1947-50. No measurement made in 1951.

Ve-75. V. Schriefer. Sec. 13, T. 13 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 8 inches, depth 291 feet. Land-surface datum is 10.70 feet above msl. Highest water level 10.06 below lsd, Feb. 6, 1951; lowest 13.20 below lsd, Nov. 7, 1951. Records available: 1951. Feb. 6, 10.06; Nov. 7, 13.20; Dec. 10, 13.15.

Ve-78. J. F. Noel. Irregular sec. 14, T. 13 S., R. 3 E., 1.5 miles south of Perry. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 295 feet. Land-surface datum is 9.85 feet above msl. Highest water level 5.34 below lsd, Mar. 9, 1944; lowest 11.66 below lsd, Sept. 20, 1951. Records available: 1944-51. Feb. 6, 8.53; Mar. 8, 8.32; Sept. 20, 11.66; Nov. 7, 11.59; Dec. 10, 11.59.

Ve-79. J. Mouton. NW $\frac{1}{4}$  sec. 15, T. 13 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 6 inches, depth 275 feet. Land-surface datum is 7.05 feet above msl. Highest water level 6.40 below lsd, Feb. 6, 1951; lowest 16.26 below lsd, Nov. 7, 1951. Records available: 1951. Feb. 6, 6.40; Nov. 7, 16.26; Dec. 11, 16.12.

Ve-106. H. Dubois. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T. 12 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 6 inches, depth 270 feet. Land-surface datum is 13.01 feet above msl. Highest water level 8.04 below lsd, Mar. 15, 1944; lowest 18.19 below lsd, Sept. 20, 1951. Records available: 1944-51. Feb. 6, 12.85; Mar. 7, 12.41; Sept. 20, 18.19; Nov. 8, 17.45; Dec. 10, 16.98.

Ve-120. Erath Sugar Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, T. 12 S., R. 4 E., in Erath. Drilled unused artesian well in sand, diameter 10 inches, depth 285 feet. Land-surface datum is 9.51 feet above msl. Highest water level 4.67 below lsd, May 6, 1944; lowest 11.9 below lsd, June 28, July 27-29, Aug. 16-17, 1948. Records available: 1944-51. Feb. 7, 8.22; Mar. 7, 7.78; Mar. 16, 11.23; Sept. 19, 11.56; Nov. 8, 10.89; Dec. 11, 11.48.

Ve-124. Dr. G. L. Gardiner. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 12 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 300 feet. Land-surface datum is 6.42 feet above msl. Highest water level 0.40 below lsd, Feb. 14, 1946; lowest 22.29 below lsd, Sept. 21, 1951. Records available: 1945-51. Mar. 6, 10.47; Sept. 21, 22.29.

Ve-127. Loffland Bros. Sec. 33, T. 11 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 179 feet. Land-surface datum is 5.13 feet above msl. Highest water level 4.3 below lsd, Apr. 13-14, 1947; lowest 25.08 below lsd, July 9, 1948. Records available: 1945-51. Mar. 6, 9.65.

Ve-128. Charles Stancil. NE $\frac{1}{4}$  sec. 33, T. 11 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 330 feet, screen at 230-330. Land-surface datum is 10.41 feet above msl. Highest water level 6.80 below lsd, Apr. 8, 1948; lowest 28.59 below lsd, Sept. 21, 1951. Records available: 1946-51. Mar. 6, 14.54; Sept. 21, 28.59.

Ve-129. J. D. Vondenstein. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 13 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 320 feet. Land-surface datum is 0.96 foot above msl. Highest water level 6.67 below lsd, Mar. 21, 1950; lowest 18.52 below lsd, Sept. 21, 1951. Records available: 1948-51. Mar. 6, 7.53; Sept. 21, 18.52.

Ve-186. H. Fontenot. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 24, T. 12 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 150 feet. Land-surface datum is 8.79 feet above msl. Highest water level 6.23 below lsd, Feb. 6, 1951; lowest 12.92 below lsd, June 28, 1951. Records available: 1951. Feb. 6, 6.23; June 28, 12.92; Nov. 7, 8.76; Dec. 11, 8.95.

Ve-211. O. Brasseaux. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 14 S., R. 4 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 5 inches, depth 695 feet. Land-surface datum is 3.70 feet above msl. Highest water level 3.19 below lsd, Feb. 7, 1951; lowest 6.83 below lsd, June 28, 1951. Records available: 1951. Feb. 7, 3.19; June 28, 6.83; Nov. 7, 5.11; Dec. 11, 5.21.

Ve-218. Alliabiade Butaud. South part of irregular sec. 45, T. 13 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to 1 $\frac{1}{2}$  inches, depth 500 feet, screen at 460-500. Land-surface datum is 9.29 feet above msl. Highest water level 9.08 below lsd, Feb. 7, 1951; lowest 13.10 below lsd, June 28, 1951. Records available: 1950-51. Feb. 7, 9.08; Mar. 8, 9.15; June 28, 13.10; Sept. 20, 11.49; Nov. 7, 11.36; Dec. 11, 11.42.

Ve-238. Mayo D. Broussard. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 36, T. 11 S., R. 3 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 170 feet. Land-surface datum is 15.45 feet above msl. Highest water level 13.57 below lsd, Sept. 20, 1951; lowest 16.97 below lsd, Nov. 6, 1951. Records available: 1950-51. Mar. 8, 13.66; June 27, 16.03; Sept. 20, 13.57; Nov. 6, 16.97; Dec. 10, 16.93.

Ve-284. Alphe Broussard. Fork Island, 2.8 miles southwest of ferry landing, in T. 14 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 8 inches, depth 221 feet, screen at 167-219. Land-surface datum is 1.10 feet above msl. Highest water level 1.56 below lsd, Mar. 21, 1950; lowest 3.05 below lsd, Dec. 11, 1950. Records available: 1950-51. Feb. 6, 2.15; Mar. 6, 2.37.

Ve-333. J. Herpin. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 35, T. 11 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 to 8 inches, depth 280 feet, screen at 220-280. Land-surface datum is 13.89 feet above msl. Highest water level 15.69 below lsd, Mar. 21, 1950; lowest 27.83 below lsd, Sept. 21, 1951. Records available: 1948-51. Feb. 6, 16.98; Mar. 6, 16.39; Sept. 21, 27.83.

Ve-460. Acadia-Vermilion Rice Irrigation Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 13 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 300 feet. Land-surface datum is 9.53 feet above msl. Highest water level 8.19 below lsd, Mar. 27, 1950; lowest 20.0 below lsd, June 27-28, 1951. Records available: 1948-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.4	9.6	9.0	9.1	10.1	14.8	17.9	17.5	16.4	14.5	14.4	14.3
2	10.3	9.7	9.0	9.1	10.3	15.0	17.7	17.4	16.4	14.5	14.4	14.2
3	10.3	9.6	9.0	9.2	10.4	15.1	17.7	17.2	16.5	14.4	14.4	14.2
4	10.3	9.6	9.0	9.3	10.5	15.1	18.5	17.0	16.5	14.4	14.3	14.1
5	10.2	9.5	9.1	9.3	10.7	15.0	19.1	16.9	16.4	14.5	14.3	14.1
6	10.2	9.4	9.1	9.3	10.8	14.8	19.0	16.8	16.4	14.4	14.3	14.1
7	10.1	9.4	9.1	9.3	10.9	14.9	18.6	16.7	16.3	14.5	14.3	14.1
8	10.1	9.4	9.1	9.4	11.1	15.0	19.2	16.6	16.2	14.5	14.3	14.1
9	10.1	9.4	9.1	9.4	11.3	15.1	19.4	16.5	16.0	14.5	14.3	14.1
10	10.0	9.4	9.1	9.4	11.4	15.1	19.6	16.4	15.9	14.4	14.2	14.1
11	9.9	9.3	9.1	9.5	11.2	15.2	19.9	16.3	15.9	14.4	14.2	14.0
12	9.9	9.3	9.1	9.6	11.0	15.4	19.1	16.3	15.7	14.5	14.2	14.0
13	9.8	9.2	9.1	9.6	11.0	15.8	19.1	16.2	15.6	14.5	14.1	13.9
14	9.8	9.2	9.1	9.7	11.0	16.2	19.0	16.1	15.5	14.5	14.1	13.8
15	9.8	9.2	9.1	9.8	11.0	16.4	18.9	16.0	15.5	14.4	14.1	13.9



## Ve-460--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	9.8	9.2	9.1	9.8	11.0	16.6	18.8	16.0	15.4	14.5	14.2	13.9
17	9.7	9.1	9.1	9.8	11.0	16.8	19.8	16.1	15.4	14.5	14.3	13.8
18	9.7	9.1	9.1	9.8	11.2	16.8	20.1	16.2	15.4	14.5	14.3	13.7
19	9.7	9.0	9.1	9.8	11.3	17.4	20.2	16.2	15.3	14.5	14.3	13.7
20	9.7	9.0	9.1	9.8	11.4	18.2	19.9	16.2	15.3	14.5	14.3	13.5
21	9.8	9.0	9.1	9.8	11.5	18.5	19.8	16.1	15.2	14.5	14.2	13.4
22	9.8	9.0	9.1	9.8	11.7	18.8	19.8	16.0	15.1	14.5	14.2	13.4
23	9.7	9.0	9.2	9.8	11.9	19.0	19.8	16.0	15.1	14.5	14.2	13.5
24	9.7	9.0	9.2	9.8	12.0	19.1	19.8	15.9	14.1	14.5	14.2	13.5
25	9.8	9.0	9.1	9.9	12.3	19.2	19.5	15.9	14.9	14.5	14.2	13.6
26	9.8	9.0	9.1	9.9	12.6	19.7	19.1	16.0	14.8	14.5	14.2	13.6
27	9.7	9.0	9.1	10.0	12.9	20.0	18.8	16.1	14.7	14.5	14.3	13.5
28	9.7	9.0	9.1	10.1	13.1	20.0	18.6	16.0	14.7	14.5	14.3	13.4
29	9.7		9.1	10.1	13.5	18.9	18.2	16.1	14.6	14.4	14.3	13.3
30	9.6		9.1	10.0	13.9	18.3	17.9	16.1	14.6	14.4	14.3	13.3
31	...		9.1		14.4		17.7	16.1		14.4		13.3

Ve-499. Magnolia Petroleum Company. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 12 S., R. 2 W. Highest water level 12.82 below lsd, June 27, 1950; lowest 15.87 below lsd, Sept. 27, 1950. Records available: 1950. Measurement discontinued.

Ve-507. Jonas Weill. Sec. 55, T. 13 S., R. 3 E. Dug domestic water-table well in deposits of Recent age, diameter 4 inches, depth 22 feet. Land-surface datum is 4.39 feet above msl. Highest water level 3.11 below lsd, Feb. 6, 1951; lowest 5.51 below lsd, Dec. 14, 1950. Records available: 1950-51. Feb. 6, 3.11; Mar. 8, 3.58; Nov. 7, 4.60; Dec. 11, 3.67.

Ve-510. Rice Bowl Sales & Terminal Co. East end of irregular sec. 52, T. 12 S., R. 2 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 6 inches, depth 280 feet. Land-surface datum is 8.86 feet above msl. Highest water level 8.46 below lsd, Mar. 7, 1951; lowest 12.22 below lsd, Sept. 20, 1951. Records available: 1950-51. Feb. 7, 8.77; Mar. 7, 8.46; Sept. 20, 12.22; Nov. 6, 11.90; Dec. 10, 11.83.

Ve-513. The Texas Company. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T. 13 S., R. 4 E. Records available: 1950. Measurement discontinued.

Ve-514. The Texas Company. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 13 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 210 feet. Land-surface datum is 6.14 feet above msl. Highest water level 9.75 below lsd, Mar. 9, 1951; lowest 18.17 below lsd, Nov. 23, 1951. Records available: 1950-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.7	12.2	11.6	....	12.1	14.5	16.4	19.0	17.5	15.6	17.1	17.7
2	12.5	11.5	11.5	....	12.1	14.8	16.3	18.7	17.5	16.6	17.2	17.6
3	12.5	11.5	11.7	10.4	12.0	15.0	16.3	18.8	17.5	16.5	17.2	17.6
4	12.8	11.4	11.7	12.3	12.1	14.9	16.5	18.7	17.3	16.5	17.5	17.6
5	12.6	11.3	11.9	12.3	12.1	15.0	16.5	18.6	17.3	16.6	15.6	17.5
6	12.6	10.3	11.9	12.2	12.2	15.2	16.6	18.5	17.3	17.1	16.3	17.4
7	10.1	11.7	12.2	12.2	12.3	15.3	16.6	18.4	17.3	16.8	16.7	17.4
8	12.5	11.5	10.1	12.3	12.5	15.4	16.7	18.3	17.3	16.8	17.0	17.3
9	12.6	12.0	9.8	12.3	12.1	15.5	16.7	18.2	17.2	18.2	17.4	17.3
10	12.4	11.8	12.1	12.3	12.2	15.4	16.8	18.1	17.1	17.1	17.4	17.4
11	12.4	11.8	12.1	....	12.3	15.6	16.8	18.1	17.1	17.0	17.4	17.4
12	12.3	11.7	12.2	....	12.6	15.7	17.0	18.1	17.0	17.0	17.4	17.4
13	12.3	11.6	....	12.5	12.6	15.8	17.1	18.0	16.9	17.0	17.3	17.4
14	12.1	11.6	12.0	12.4	12.7	15.0	17.2	18.0	16.8	16.9	18.0	17.3
15	12.2	11.9	12.0	12.4	11.4	16.0	17.2	17.6	16.8	16.6	17.5	17.6
16	12.7	12.0	12.0	12.5	10.8	16.0	16.6	17.5	16.8	17.0	17.6	17.7
17	12.5	12.3	11.0	12.5	12.4	16.1	17.2	17.5	16.8	16.5	17.8	16.3
18	12.4	12.4	10.8	12.6	12.6	15.9	17.1	17.5	16.7	16.7	17.9	16.0
19	12.5	12.4	10.8	12.4	12.7	16.2	16.0	17.6	16.7	17.3	17.9	16.0
20	12.5	12.1	10.4	12.3	12.8	16.3	....	17.6	16.8	17.6	18.0	15.7
21	12.4	12.3	12.0	12.5	12.8	16.3	....	17.5	16.8	17.1	17.7	15.9
22	12.5	....	12.5	12.3	13.0	16.1	....	17.5	16.8	15.7	17.5	17.0
23	12.4	....	10.6	12.4	13.1	16.1	....	17.5	16.7	15.5	18.1	17.1
24	12.4	12.3	12.9	12.3	13.3	16.1	....	17.6	16.6	15.5	17.6	17.1
25	....	12.2	10.7	12.3	13.4	16.0	....	17.5	15.8	16.3	17.8	16.0
26	....	12.1	12.2	12.3	13.6	16.2	17.8	17.5	16.6	16.5	17.0	....
27	....	12.1	12.5	12.3	13.7	16.2	....	17.5	16.4	17.0	17.6	....

## Ve-514--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	....	12.0	12.7	12.3	13.7	16.3	....	17.5	16.6	17.0	17.6	....
29	....	....	....	12.2	13.8	16.2	....	17.4	16.7	15.6	17.8	....
30	....	....	....	12.2	14.0	16.4	....	16.8	16.7	17.2	17.8	....
31	....	....	....	....	14.3	....	....	17.6	....	16.9	....	....

Ve-516. The Texas Company. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 13 S., R. 4 E. Records available: 1950. Measurement discontinued.

Ve-517. The Texas Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 13 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 210 feet. Land-surface datum is 6.36 feet above msl. Highest water level 9.88 below lsd, Feb. 7, 1951; lowest 14.47 below lsd, June 28, 1951. Records available: 1951. Feb. 7, 9.88; June 28, 14.47; Nov. 7, 12.73; Dec. 11, 13.30.

Washington Parish

Wa-7. Gaylord Container Corp. In rear of supply room at Gaylord plant in Bogalusa. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 580 feet. Highest water level 0.34 below lsd, Feb. 7-13, 1950; lowest 13.42 below lsd, Dec. 31, 1951. Records available: 1949-51.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	...	...	4.7	3.7	4.0	4.3	4.1	3.4	3.6	3.1	3.1	7.2
2	...	...	4.6	3.6	4.0	4.3	4.1	3.3	3.6	3.1	.2	7.6
3	...	...	4.7	3.6	4.0	4.3	4.1	3.3	3.5	3.1	2.1	8.0
4	...	...	4.8	3.6	4.1	4.4	3.1	3.4	...	3.2	2.6	8.1
5	...	...	4.7	3.6	4.0	4.3	...	3.4	2.7	3.2	2.8	7.1
6	...	...	4.7	3.7	4.1	4.4	...	3.4	3.1	3.2	2.7	7.3
7	...	...	4.7	3.4	4.2	4.3	2.6	3.4	3.2	3.2	3.1	7.4
8	...	...	4.7	3.4	4.2	4.3	2.9	3.4	3.3	3.2	3.0	7.8
9	...	...	4.8	3.5	4.2	4.4	3.1	3.4	3.3	3.2	3.5	7.7
10	...	...	4.8	3.6	4.1	4.3	3.2	3.4	3.3	3.2	3.5	7.7
11	...	...	...	3.6	...	4.2	3.3	3.4	3.4	3.3	3.5	7.5
12	...	...	2.5	3.6	4.2	4.1	2.8	3.5	3.3	3.2	3.4	7.5
13	...	...	3.8	3.7	4.2	4.2	3.3	3.5	3.3	3.2	3.3	7.7
14	...	...	4.2	3.6	4.3	4.2	3.1	3.5	3.2	3.2	3.1	7.6
15	...	...	4.4	3.6	4.3	4.3	3.2	3.6	3.2	3.2	2.9	7.6
16	...	...	4.5	3.6	4.3	4.3	3.2	3.6	3.2	3.2	3.2	8.0
17	...	...	4.5	3.6	4.3	4.3	3.6	3.5	3.2	3.2	3.2	7.7
18	...	...	4.3	3.7	4.0	4.3	4.1	3.4	3.2	3.2	3.3	7.8
19	...	...	4.3	3.5	4.1	4.1	4.6	3.5	3.2	2.5	3.3	7.0
20	...	...	4.4	3.9	4.2	4.1	4.7	3.5	3.2	3.6	3.3	6.2
21	...	...	4.4	4.2	4.2	4.2	4.5	3.3	3.2	3.4	3.3	5.9
22	...	...	4.4	4.0	4.2	4.1	3.8	3.4	3.2	3.3	3.2	5.9
23	...	...	....	4.2	4.2	4.2	3.6	2.8	3.2	3.2	3.2	5.6
24	...	...	3.7	3.9	4.3	4.2	3.6	3.2	3.2	3.3	2.8	6.0
25	...	...	4.2	4.0	4.2	4.2	3.5	3.4	3.2	3.2	2.9	6.1
26	...	...	4.4	4.0	4.2	4.1	3.5	3.5	3.2	3.3	2.7	6.2
27	...	...	4.4	4.0	4.2	4.1	3.5	3.5	3.2	3.2	5.8	6.6
28	...	...	4.4	4.0	4.2	4.1	3.4	3.5	3.1	3.3	6.6	6.8
29	...	...	3.9	3.9	2.4	4.1	3.4	3.6	3.1	3.3	6.9	6.1
30	...	...	3.8	4.0	4.0	4.1	3.4	3.6	3.1	3.3	6.9	6.1
31	...	...	3.8	...	4.2	...	3.4	3.6	...	3.1	...	12.5

Wa-14. Town of Bogalusa. Intersection of Robinson and Madison Sts., Bogalusa. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 680 feet. Highest water level 18.0 above lsd, July 6, 1951; lowest 15.0 above lsd, Nov. 24, 1951. Records available: 1950-51. Mar. 1, +16.9; July 6, +18.0; Nov. 24, +15.0.

Wa-15. Town of Bogalusa. Intersection of North Ave. and Warren St., Bogalusa. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 770 feet. Highest water level 29.8 above lsd, Apr. 18, 1950; lowest 9.9 above lsd, Nov. 29, 1950. Records available: 1950-51. Mar. 1, +18.3; July 6, +20.5; Nov. 24, +13.5.

Wa-18. Town of Franklinton. 50 feet south of ground-storage reservoir. Drilled public-supply well in sand of Pleistocene age, diameter 6 inches, depth 788 feet. Highest water level 35.6 above lsd, June 21, 1950; lowest 33.0 above lsd, July 6, 1951. Records available: 1949-51. Mar. 1, +32.9; July 6, +33.0.

Wa-38. Town of Franklinton. 75 feet east of ground-storage reservoir. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 1,050 feet, screen at 970-1,050. Highest water level 46.2 above lsd, Mar. 1, 1951; lowest 43.1 above lsd, July 6, 1951. Records available: 1949-51. Mar. 1, +46.2; July 6, +43.1.

Wa-41. Town of Bogalusa. Madison and Robertson Sts. Records available: 1950. No measurement made in 1951.

Wa-43. V. A. Talley. Center  $N\frac{1}{2}$  sec. 44, T. 4 S., R. 13 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 420 feet. Highest water level 31.0 above lsd, Sept. 12, 1950; lowest 25.0 above lsd, Nov. 24, 1951. Records available: 1950-51. Mar. 1, +30.4; July 6, +30.5; Nov. 24, +25.0.

#### Webster Parish

Wb-2. Town of Springhill.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 11, T. 23 N., R. 11 W. Drilled public-supply artesian well in Sparta sand, diameter 8 inches, depth 321 feet, screen at 280-320. Highest water level 151.04 below lsd, June 6, 1951; lowest 169.88 below lsd, Jan. 6, 1950. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	163.16	Apr. 4	161.89	June 28	160.70	Sept. 27	156.41
Feb. 8	163.51	May 2	161.08	July 26	158.35	Oct. 25	156.21
Mar. 1	162.38	June 6	151.04	Aug. 29	157.82	Dec. 6	155.32

Wb-3. Town of Springhill. Highest water level 105.59 below lsd, Nov. 30, 1950; lowest 120.88 below lsd, Aug. 1, 1950. Records available: 1950. Measurement discontinued.

Wb-15. International Paper Co. Southern Kraft Division. Highest water level 107.0 below lsd, Nov. 26, 1945; lowest 116.05 below lsd, Mar. 1, 1950. Records available: 1945-50. Measurement discontinued.

Wb-27. International Paper Co. Southern Kraft Division.  $NE\frac{1}{4}NW\frac{1}{4}$  sec. 25, T. 23 N., R. 11 W. Drilled unused artesian well in Sparta sand, diameter 18 to 12 inches, depth 312 feet. Highest water level 103.86 below lsd, Aug. 6, 1951; lowest 169.2 below lsd, Oct. 8, 1947. Records available: 1947-51.

#### Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	115.2	114.3	113.9	117.1	112.7	115.2	105.5	104.5	109.4	113.5	110.7	114.0
2	115.0	115.1	117.4	117.1	111.8	115.7	105.2	105.6	109.4	113.3	114.5	113.8
3	115.0	115.5	119.5	117.0	111.5	114.6	107.8	106.4	109.3	113.3	115.2	113.6
4	115.2	115.4	120.3	116.9	111.2	115.3	109.2	105.0	109.5	113.3	115.4	113.6
5	115.1	115.4	120.3	116.7	111.7	115.5	110.0	104.7	110.9	113.3	115.5	113.4
6	115.2	114.8	121.4	115.8	110.2	115.7	108.0	103.9	111.6	113.3	115.6	113.3
7	115.3	114.9	121.6	116.5	110.0	115.7	106.5	105.1	112.1	113.4	115.6	113.5
8	115.2	114.9	121.7	116.5	110.3	116.0	106.1	105.6	112.3	113.4	115.8	113.2
9	115.0	114.7	122.1	115.5	107.5	116.1	105.7	105.9	112.5	113.4	115.8	113.4
10	115.1	114.6	122.1	116.5	109.8	112.5	105.6	106.1	112.3	112.8	115.8	113.3
11	115.2	114.6	121.9	116.6	109.5	111.3	105.6	106.4	112.6	113.0	115.8	113.2
12	115.3	114.5	122.3	114.9	112.9	112.1	105.5	106.5	112.9	113.8	115.6	113.1
13	115.3	114.5	122.0	113.9	114.3	110.3	105.4	106.6	112.9	114.0	115.5	113.2
14	115.1	113.8	122.6	113.2	115.0	107.5	105.4	106.6	112.9	114.1	115.6	112.9
15	115.1	114.6	122.6	112.5	115.7	109.1	105.4	106.7	112.9	114.1	115.4	113.2
16	115.1	114.4	122.5	112.3	116.2	110.8	105.3	106.7	112.9	114.2	115.5	113.2
17	115.1	114.4	122.5	114.4	116.4	111.3	105.3	106.8	113.1	114.1	115.6	113.1
18	114.9	114.5	122.4	115.1	108.5	111.7	105.3	106.9	113.0	114.0	115.5	113.1
19	114.9	114.1	122.7	115.5	114.0	112.1	105.2	107.1	113.0	114.1	115.5	113.1
20	115.0	114.0	122.6	116.1	114.9	110.1	105.2	107.0	112.9	114.1	115.3	113.3
21	115.2	114.3	122.3	114.9	115.2	108.5	105.2	106.9	113.1	114.1	114.9	.....
22	115.2	114.4	122.5	114.4	115.6	107.8	105.2	107.4	113.0	114.1	115.1	.....
23	115.0	114.3	120.3	114.2	115.9	107.1	105.2	107.7	113.2	114.1	115.0	.....
24	115.1	114.3	119.8	114.1	115.9	106.8	105.0	108.7	113.3	113.9	114.9	.....
25	115.2	114.1	119.4	113.8	116.2	106.5	104.7	108.8	113.5	113.8	114.5	.....
26	115.0	114.1	119.0	113.7	116.7	106.2	105.0	108.9	112.8	113.7	114.4	.....
27	115.0	114.2	118.3	113.6	116.8	105.9	104.2	109.1	112.4	113.8	114.3	.....
28	114.8	113.9	118.3	113.4	116.8	105.9	104.3	109.1	113.4	113.8	114.2	.....
29	114.6		118.1	113.1	116.2	105.7	104.4	109.2	113.5	113.8	114.1	.....
30	115.0		117.9	113.0	114.6	105.6	104.5	108.5	113.6	113.6	113.9	.....
31	114.1		117.3		114.1		104.5	109.4		114.9		.....

Wb-94. Town of Springhill. Sec. 11, T. 23 N., R. 11 W. Drilled public-supply well in Sparta sand, diameter 12 to 9 inches, depth 408 feet, screen at 328-408. Highest water level 89.91 below lsd, June 7, 1950; lowest 100.66 below lsd, July 5, 1950. Records available: 1950-51. May 2, 97.01; June 6, 98.09; July 26, 99.03; Aug. 29, 94.83; Sept. 27, 91.14; Oct. 25, 91.22; Dec. 6, 87.08.

Wb-95. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 23 N., R. 11 W. Drilled unused artesian well in Sparta sand, diameter 18 to 12 inches, depth 150 feet. Highest water level 44.1 below lsd, Feb. 19, 1948; lowest 68.8 below lsd, Dec. 2, 5, 1949. Records available: 1947-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	62.5	....	61.2	63.1	60.8	61.0	58.2	56.1	59.7	60.5	61.6	62.3
2	62.2	....	60.9	63.4	62.7	61.1	57.8	56.0	59.8	60.4	61.8	62.1
3	62.4	....	60.9	63.6	62.4	61.2	57.6	55.9	60.0	60.3	61.7	61.9
4	62.7	....	61.0	63.5	62.3	61.6	57.3	55.9	63.0	60.5	61.7	61.9
5	62.8	....	61.1	63.5	....	61.7	56.9	59.1	61.3	60.7	61.6	61.7
6	62.7	....	61.0	63.3	....	61.7	56.8	56.2	60.8	60.5	61.8	61.6
7	63.1	....	60.9	63.3	....	61.7	56.4	55.9	60.5	60.6	61.9	61.9
8	62.9	62.0	61.0	63.5	....	61.8	56.0	55.8	60.5	60.8	62.1	61.8
9	62.7	62.0	61.1	63.4	....	61.9	55.9	55.7	60.6	60.8	62.0	62.3
10	62.6	62.1	60.9	63.4	....	61.8	55.8	55.7	60.6	60.8	61.9	62.1
11	62.7	61.9	61.0	63.6	....	61.8	55.7	55.7	60.5	60.9	62.0	61.8
12	62.6	61.6	61.2	63.6	....	61.8	58.4	55.6	60.5	60.9	61.6	61.6
13	62.5	61.8	61.0	63.4	....	62.1	56.5	55.4	60.3	60.9	61.5	61.5
14	62.3	62.0	61.1	63.4	....	59.6	55.9	55.3	60.1	61.1	61.8	61.2
15	62.7	61.8	61.2	63.4	....	61.6	55.7	55.1	60.0	61.0	61.7	62.1
16	62.9	61.9	60.9	63.9	....	61.7	55.6	58.1	60.1	61.0	62.3	61.9
17	62.4	61.7	60.9	63.7	....	61.8	58.6	58.4	60.1	61.1	62.7	61.5
18	62.4	61.4	61.3	63.3	....	61.9	55.8	58.7	60.2	61.0	62.6	61.5
19	62.4	61.4	61.6	63.3	....	61.8	55.6	58.9	60.2	61.2	62.6	61.1
20	62.5	61.2	61.5	63.5	....	61.9	55.6	59.0	60.2	61.0	62.5	60.7
21	63.0	61.6	61.5	63.3	....	59.5	55.6	58.9	60.3	61.0	62.3	61.5
22	....	61.6	61.3	63.6	....	61.8	55.6	59.3	60.3	58.5	62.2	61.5
23	....	61.6	61.2	63.7	....	61.9	55.6	59.5	60.5	60.9	62.2	61.4
24	....	61.5	61.6	63.4	....	62.0	55.4	59.4	60.5	61.2	62.3	61.5
25	....	61.2	61.6	63.3	....	62.0	55.3	59.5	60.5	61.2	62.2	61.5
26	....	61.2	60.1	63.3	....	61.9	58.7	59.5	60.4	61.2	62.4	61.9
27	....	61.2	59.3	63.2	....	61.9	56.4	59.5	60.3	61.1	62.4	62.1
28	....	61.0	58.9	63.0	60.1	62.0	59.0	59.5	60.7	61.2	62.4	61.6
29	....	....	61.6	62.7	60.4	59.4	59.6	59.7	60.7	61.2	62.5	61.2
30	....	....	62.8	62.7	60.6	58.6	56.4	59.8	60.6	61.2	62.4	61.3
31	....	....	63.0	....	60.9	....	56.1	59.7	....	61.2	....	61.3

Wb-96. Town of Cotton Valley. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, T. 21 N., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 183 feet, screen at 165-183. Highest water level 20.82 below lsd, Dec. 21, 1948; lowest 31.71 below lsd, Nov. 30, 1950. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	29.10	Apr. 4	25.87	June 28	25.12	Sept. 27	25.02
Feb. 8	27.79	May 2	25.24	July 26	25.32	Oct. 25	25.59
28	26.64	June 6	25.32	Aug. 29	25.60	Dec. 6	25.64

#### West Baton Rouge Parish

WBR-5. Town of Port Allen. Highest water level 36.1 above lsd, June 21, 1943; lowest 13.3 above lsd, Feb. 3, 1947. Records available: 1943-47, 1949-50. No measurement made in 1951.

#### Winn Parish

W-2. Town of Winnfield. 40 feet north of town reservoir. Drilled public-supply artesian well in Sparta sand, diameter 8 inches, depth 278 feet. Highest water level 29.43 below lsd, June 8, 1950; lowest 37.65 below lsd, Jan. 5, 1951. Records available: 1949-51. Jan. 5, 37.65; Feb. 8, 32.86; Mar. 3, 31.66; Apr. 5, 31.62; May 3, 31.26.

## OKLAHOMA

By C. E. Steele and Katherine York

### Scope of Water-Level Program

The observation-well program in Oklahoma, begun in 1934, was continued in 1951 in co-operation with State agencies. In the Stillwater Creek Basin, the program was continued in cooperation with the Department of Agronomy of the Oklahoma Agricultural and Mechanical College. Measurements in an irrigation well at the Southwestern Cotton Substation near Tipton operated by the Oklahoma Agricultural and Mechanical College and the U. S. Department of Agriculture were continued in 1951. The rest of the observation-well program was conducted in cooperation with the Oklahoma Geol. Survey and the Oklahoma Planning and Resources Board. Measurements were made in 319 wells. Recording gages were operated throughout the year in seven wells and for shorter periods in two wells. The location of the observation wells is shown in figures 12-16.

Brief descriptions of the topography, geology, and ground-water conditions of the parts of Oklahoma covered by the observation-well program have been published in previous Water-Supply Papers of this series as follows: Stillwater Creek Basin, 777; the Panhandle, 840 and 845; Cleveland County, 886 and 939; North Canadian River Valley, 909; Canadian County, 947; Oklahoma County, 989 and 1026; Tillman County, 1019; Caddo County, 1026; Grady, Ellis, and Custer Counties, 1074; Comanche, Jackson, Kiowa, Roger Mills, and Washita Counties, 1099; Kay and Seminole Counties, 1129; McCurtain County, 1159; and Garfield, Kingfisher, and Major Counties, 1168. Following is a list of publications issued during the year:

#### List of Publications

Ground-water in alluvial deposits in Oklahoma, by S. L. Schoff and E. W. Reed: Econ. Geol., vol. 46, no. 1, pp. 76-83, 1951.

Ground-water resources of the Arkansas River flood plain near Fort Gibson, Muskogee County, Okla., by S. L. Schoff and E. W. Reed: Oklahoma Geol. Survey Circ. 28, 55 pp., 12 pls., 1 fig., 7 tables, 1951.

Chemical character of surface waters of Oklahoma, 1946-49, by I. W. Walling, S. L. Schoff, and T. B. Dover: Oklahoma Plann. and Res. Bd., Div. of Water Res., Bull. 5, 183 pp., illustrated. (Contains discussion of relation of water quality to geology.)

Public water supplies in Oklahoma, by L. L. Laine, S. L. Schoff, and T. B. Dover: Oklahoma Plann. and Res. Bd., 112 pp., 1 pl., 4 tables, 1951. (Contains discussion of ground water by aquifers; identifies aquifers tapped for many of the public water supplies of Oklahoma.)

#### Precipitation

Precipitation for the State during the year totaled 35.28 inches, 1.89 inches above, or 106 percent of normal. It was considerably wetter than normal for the year in the northern part of the State from Beaver County eastward to western Osage County. A few other areas in Caddo, Cherokee, and LeFlore Counties also recorded annual amounts of more than 130 percent of normal. Annual precipitation in parts of the southwest and in the western Panhandle averaged below normal. Average annual precipitation in the Eastern Division was 44.53 inches or 109 percent of normal; in the Central Division 35.00 inches or 104 percent; and in the Western Division 26.20 inches or 102 percent. In the Panhandle counties the precipitation averaged about 20 inches; departure from normal precipitation at four stations ranged from -.77 inch at Goodwell to +7.67 inches at Beaver. Along the North Canadian River valley, from Oklahoma City upstream to Beaver, the precipitation at eight stations in 1951 ranged from 23.66 inches (Woodward) to 35.94 inches (El Reno) and averaged 28.03 inches; departure from normal at seven stations ranged from -.28 inches at Geary to +7.67 at Beaver. In the vicinity of Oklahoma City and Norman, six stations reported precipitation ranging from 30.93 inches to 36.39 inches; departure from normal precipitation was +2.67 inches at Oklahoma City and 1.17 inches at the Oklahoma City airport. At Stillwater, in the Stillwater Creek basin, the precipitation was



Figure 12. --Location of observation wells in Oklahoma Panhandle, 1951.

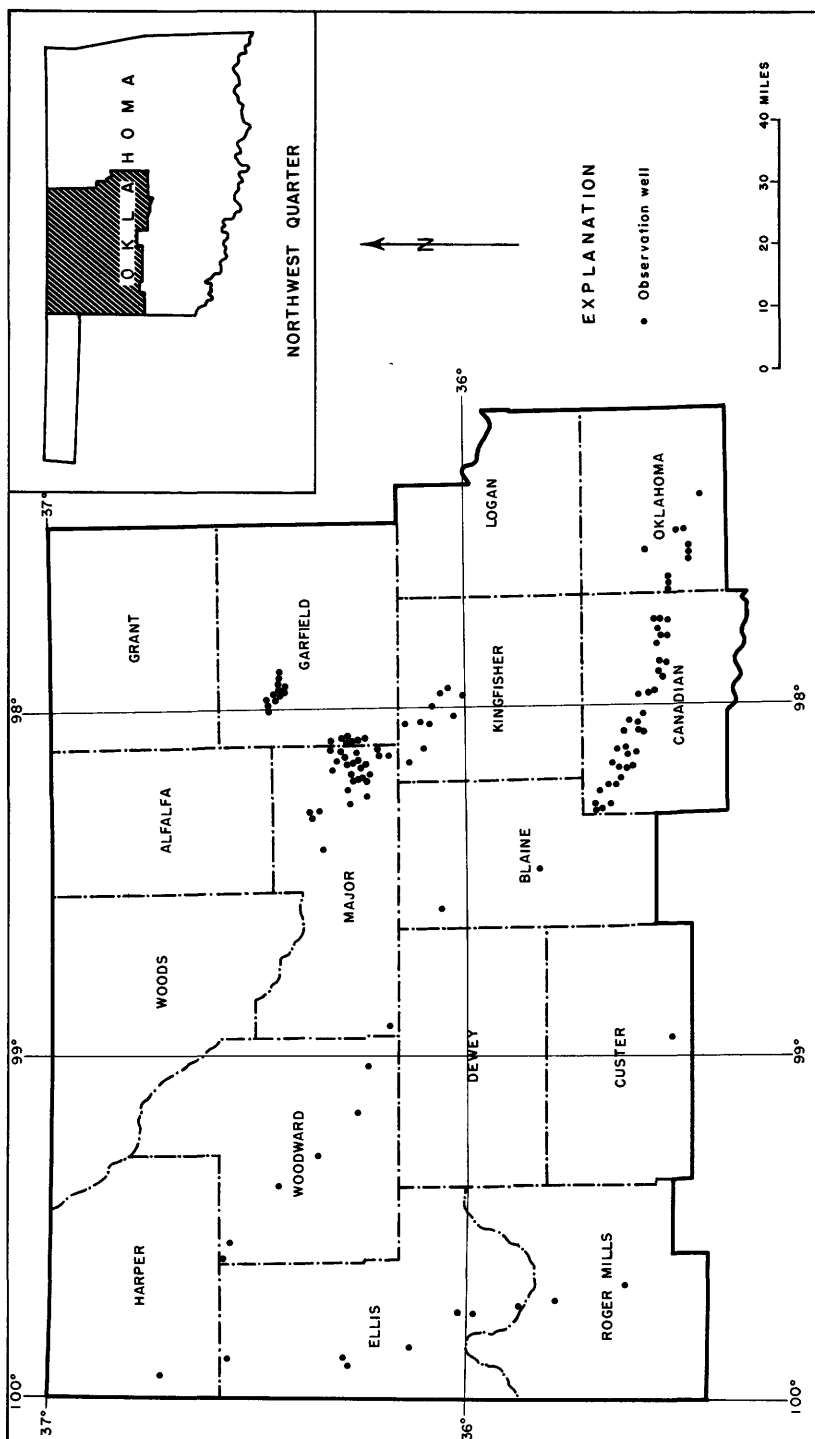


Figure 13. -- Location of observation wells in northwestern Oklahoma, 1951.

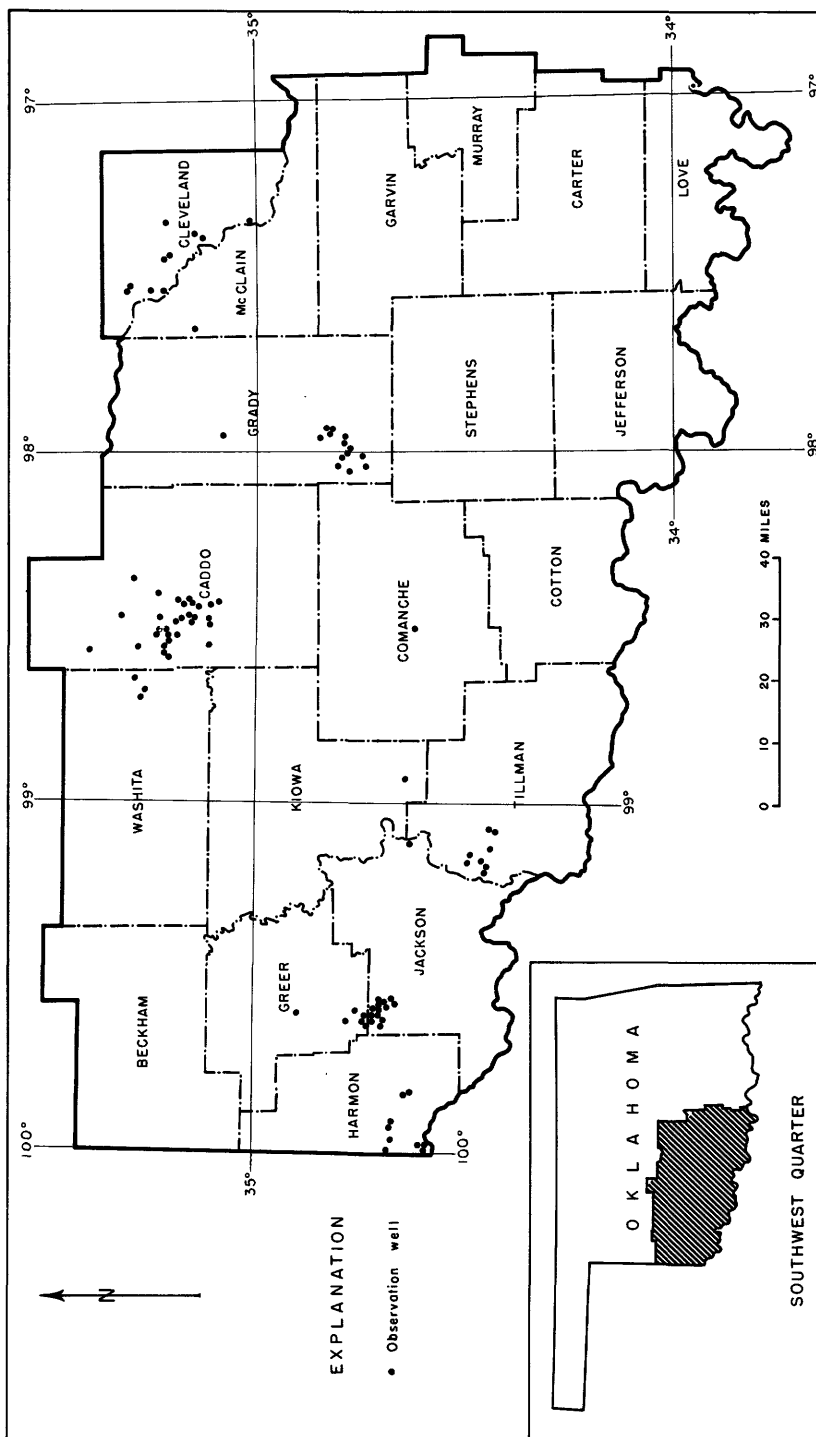


Figure 14. ---Location of observation wells in southwestern Oklahoma, 1951.



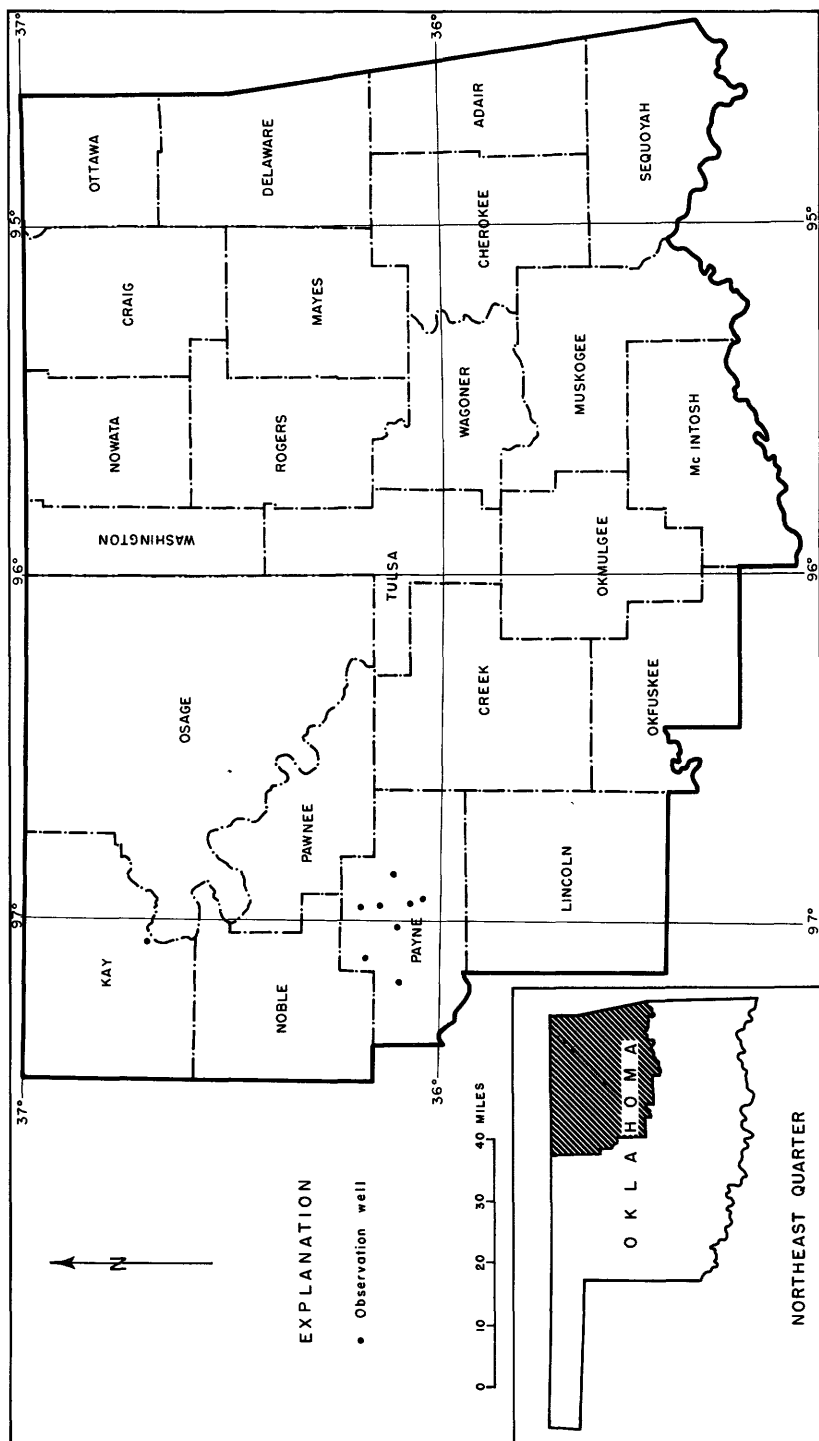


Figure 15. ---Location of observation wells in northeastern Oklahoma, 1951.

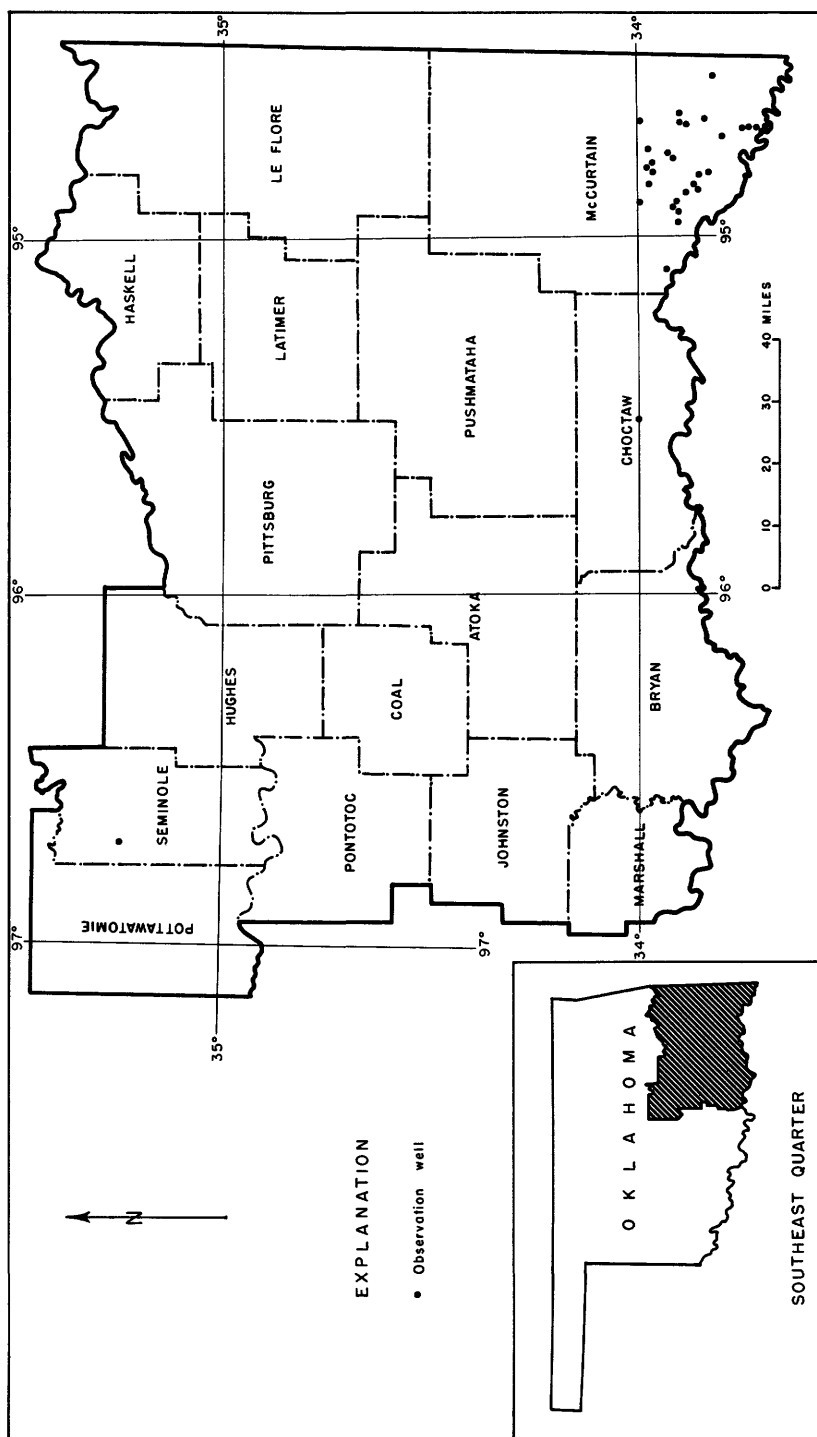


Figure 16. -- Location of observation wells in southeastern Oklahoma, 1951.

34.67 inches or 104 percent of normal. In the area underlain by the Rush Springs sandstone in Caddo and Grady Counties, the precipitation at three stations ranged from 27.20 inches to 33.04 inches, with departures from normal ranging from -1.46 inches to +2.23 inches.

Annual precipitation and departures from normal at selected stations in Oklahoma, 1951

Station	Total precipitation (inches)	Departure from normal (inches)	Station	Total precipitation (inches)	Departure from normal (inches)
Altus	19.37	-6.12	Duncan	41.41	+7.26
Anadarko	35.98	+8.58	Frederick	20.20	-7.17
Antlers	49.15	+11.71	Ponca City	46.17	+16.22
Cheyenne	25.21	-.61	Seminole	31.03	-8.87
Clinton	29.69	+.45	Union City	34.35	+2.70

### Pumpage

Records of ground-water pumpage for the larger towns in the Panhandle counties are furnished regularly through the courtesy of the Southwestern Public Service Company. The total pumpage for seven towns was about 8 percent more in 1951 than in 1950. The largest increase was 24.8 percent at Boise City. Pumpage increased 20.1 percent at Texhoma, 17.8 percent at Felt, 2.7 percent at Keyes, and 5.0 percent at Guymon. It decreased 12.7 percent at Forgan. The quantity of water pumped for irrigation and other uses by the Panhandle Agricultural and Mechanical College increased about 9 percent and this, along with the other increases, resulted in an increase of about 6 percent for the area as a whole. Including the estimated pumpage of industries not supplied with water from municipal systems, and pumpage for irrigation, the total for 1951 is 1,186,218,000 gallons or about 3,640 acre-feet. Records for 25 irrigation wells in the Duke irrigation area show that about 2,500 acre-feet was pumped to irrigate 2,050 acres--an average of 1.22 feet per acre.

### Interpretation of Water-Level Fluctuations

**Oklahoma Panhandle.** --The annual measurements of ground-water levels in the Oklahoma Panhandle (Beaver, Texas, and Cimarron Counties) made early in May again showed a rise. The average was about 0.7 foot above the previous record high level of May 1950, and 4.3 feet above the lowest average level in November 1938. For the year, May 1950 to May 1951, the average rise was 1.39 feet in Texas County; 0.73 foot in Cimarron County, and 0.47 foot in Beaver County. Since November 1938, the average rise has been 5.9 feet in Beaver County, 4.8 feet in Cimarron County, and 4.3 feet in Texas County.

In the following tables the wells are grouped according to counties and aquifers, and comparisons are made between water levels in 1950 and 1951.

Average water levels in groups of wells in Oklahoma Panhandle, in feet above assumed datum planes, 1950-51.

Date	Beaver County			Texas County			Cimarron County	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
May 1950	106.66	103.77	102.69	103.30	100.22	100.19	104.16	100.60
May 1951	*107.28	103.60	103.07	*104.50	*100.37	101.50	*105.25	101.09

\* Highest observed water level during period of record.

1. Wells in northwestern part of Beaver County, in the Ogallala formation.
2. Wells in southeastern part of Beaver County, principally in red beds of Permian age.
3. Wells in alluvium.
4. Wells on uplands, in the Ogallala formation.
5. Well 294 in red beds of Triassic or Permian age.
6. Wells in alluvium.
7. Wells on uplands, in the Ogallala formation, and locally in the Dakota sandstone.
8. Wells in alluvium.

Weighted average of water levels in wells in Oklahoma Panhandle, by counties, in feet above assumed datum planes, 1950-51.

Date	Beaver	Texas	Cimarron	Average
	(1)	(2)	(3)	(4)
May 1950	105.47	102.88	104.10	104.31
May 1951	*105.94	*104.27	*104.83	*105.01

\* Highest observed water level during period of record.

1. Weighted average, in which wells in northwestern part of county represent 65 percent of the total area; wells in southeastern part, 25 percent; and wells in alluvium, 10 percent.
2. Weighted average, in which upland wells in Ogallala formation represent 93 percent; wells in alluvium, 5 percent; and wells in red beds of Permian to Triassic age, 2 percent.
3. Weighted average, in which upland wells in Ogallala formation and Dakota sandstone represent 90 percent of the total area and wells in the alluvium, 10 percent.
4. Arithmetical average of the three weighted county averages.

**Duke irrigation area.** --Measurements of water levels were made in 14 wells in Jackson and Greer Counties during 1951. In five wells water levels rose from 0.18 foot to 2.21 feet between April 1950 and April 1951, while in six wells the water level declined from 0.60 foot to 7.91 feet. The average change for this period was a decline of 1.76 feet.

**Stillwater Creek basin.** --Measurements of water levels in the observation wells of the Stillwater Creek basin (Payne County) were made near the end of each month. The average range of water-level fluctuations in nine wells was 3.61 feet. In December 1951 the average level was 1.11 feet higher than in December 1950.

**Garber sandstone and Wellington formation.** --The average net annual change in water levels for the 10 wells in the Garber sandstone and Wellington formation in Oklahoma and Cleveland Counties was a rise of 1.01 feet. Declines ranging from 0.33 foot to 9.04 feet were shown in five wells, while five other wells showed rises ranging from 2.52 to 11.38 feet. In all wells except Oklahoma County 1 and Cleveland County 11, the net annual change compares water levels for December 1951 with those of December 1950. Water levels in four deep wells in Oklahoma County in the Garber sandstone and Wellington formation usually have been highest in spring and lowest in summer, when pumping is heaviest. In 1951 this general pattern appeared in wells 2 and 3 with slight variation (fig. 17). Excluding occasional high levels while the pump in a nearby well was shut off, well 4 followed this pattern also. For the first year in the period of record, the water level in well 1 rose steadily, showing a net rise of 1.06 feet. Compared with December 1950 the water levels for December 1951 in wells 2 and 3 were 2.82 and 2.52 feet higher, respectively, whereas in well 4 the water level was 9.04 feet lower. Fluctuations of water levels in deep wells of Cleveland County are primarily a response to pumping, but no common pattern is shown because of the varying rates of pumping in the vicinities of the different observation wells (fig. 18). From December 1950 to December 1951, water levels in wells 4 and 10 showed net rises of 10.21 feet and 2.71 feet, respectively. In the same period, the net changes in water levels in wells 5, 6, 8, and 12 were declines of 1.95 feet, 0.33 foot, 5.35 feet, and 1.89 feet, respectively. From October 1950 to October 1951 the water level in well 11 declined 6.29 feet.

**Rush Springs sandstone.** --Measurements were made in 28 wells in the Rush Springs sandstone of Caddo County during 1951, 2 of which were equipped with recording gages. Fluctuations of water levels ranged from 0.69 foot to 3.97 feet, except in well 18, in which the water level was influenced by pumping from nearby irrigation wells, and the fluctuations ranged through 8.95 feet. Water levels in 25 of the 28 wells from December 1950 to December 1951 showed declines ranging from 0.20 foot to 1.42 feet. The average net water-level change was a decline of 0.44 foot. In Grady County, fluctuations of water levels ranged from 1.12 to 9.89 feet, apparently in response to natural recharge and discharge, as there was no heavy pumping in the area. Water levels declined in seven wells from 0.34 foot to 4.23 feet between April 1950 and April 1951. During the same period water levels rose from 0.04 foot to 0.70 foot in five wells. The net average water-level change was a decline of 0.97 foot. Water levels were measured weekly in Washita County wells 6 and 13. The range of fluctuations for the year was 1.06 and 0.41 foot, respectively. The net annual change in water level for well 6, computed from December 1950 to December 1951, was a rise of 0.48 foot.

**Alluvium.** --In the municipal well field of Ponca City, in the alluvium of the Arkansas River, Kay County well 1 was measured weekly. The water-level fluctuations were partly due to natural recharge and discharge and partly to regular pumping of nearby wells and occasional pumping of the observation well itself. The highest water level occurred on July 5, the lowest on May 3, and the range of fluctuations was 17.23 feet. The net change of water level from December 1950 to December 1951 was a rise of 2.66 feet. Water-level fluctuations in the alluvium of the Canadian River were observed in Canadian County well G53, and Cleveland County wells 14 and 15. In all three wells the water levels were relatively low in January but thereafter rose until May. From May, when the highest stage was recorded, until December the water levels steadily declined with only minor variations. The range of water-level fluctuations was from 4.44 feet to 5.34 feet in the individual wells, and the net annual decline in water level ranged from 1.05 foot to 1.56 feet. Water-level measurements were made in 41 wells in the alluvium of the North Canadian during 1951; (a) a select group of 14 wells representative of ground water in the alluvium from Oklahoma City to Beaver; and (b) a larger group of 33 wells. Fluctuations of water level in three of the wells that are closest to the river are considered to be a response principally to river stages. The highest stage in two of these wells came in July, but in Canadian County well RFC 1 it was in June. The lowest stage in each of these wells was in October. The annual net changes in these wells, computed through different 11 and 12-month periods, were declines of 1.24, 1.43, and 2.28 feet. Of the other 11 wells of this group, 7 show annual net declines of 0.22 foot to 1.67 feet, computed through different 12-month periods, and

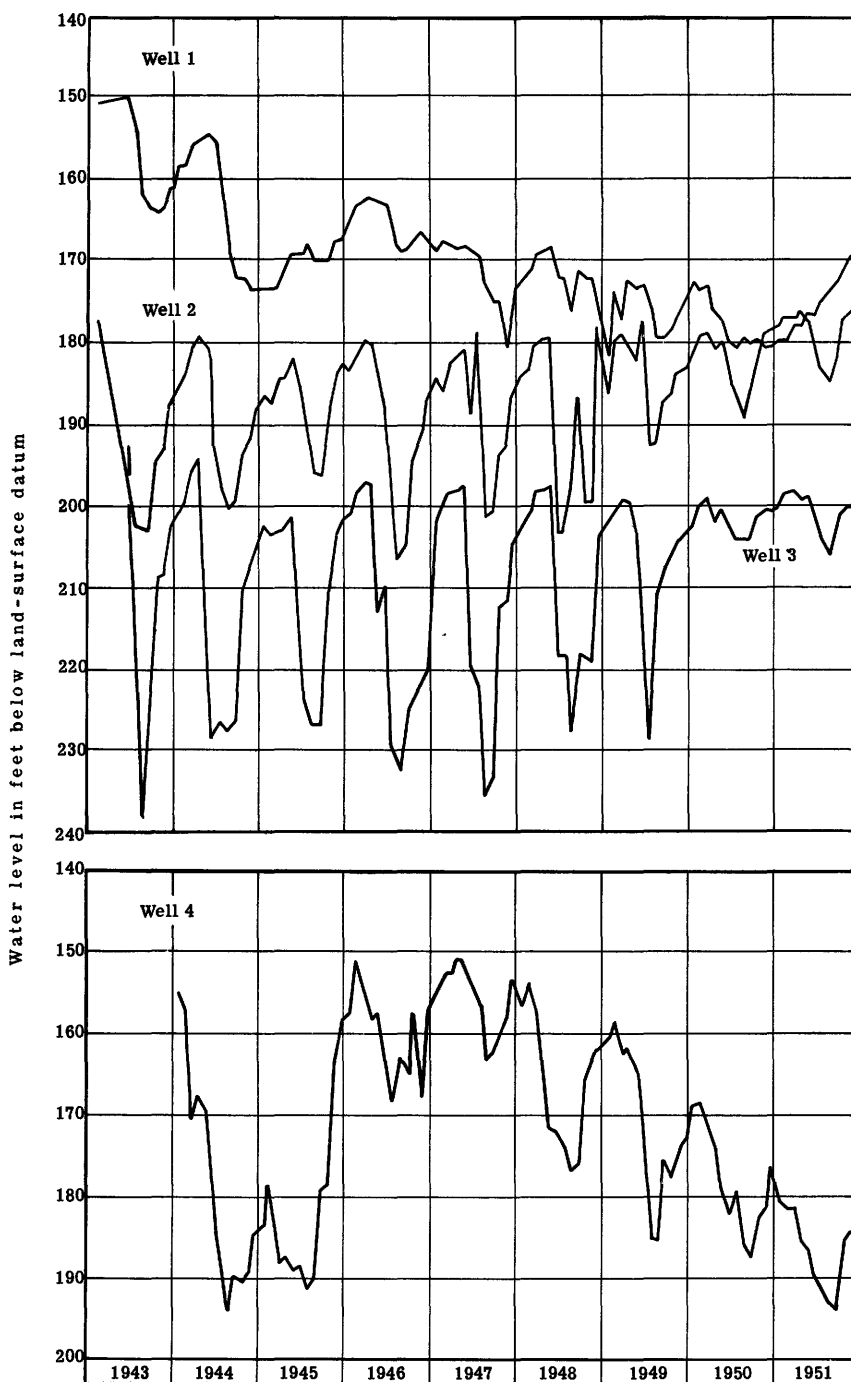


Figure 17. --Water levels in wells in the Garber sandstone and Wellington formation, Oklahoma County, Okla.

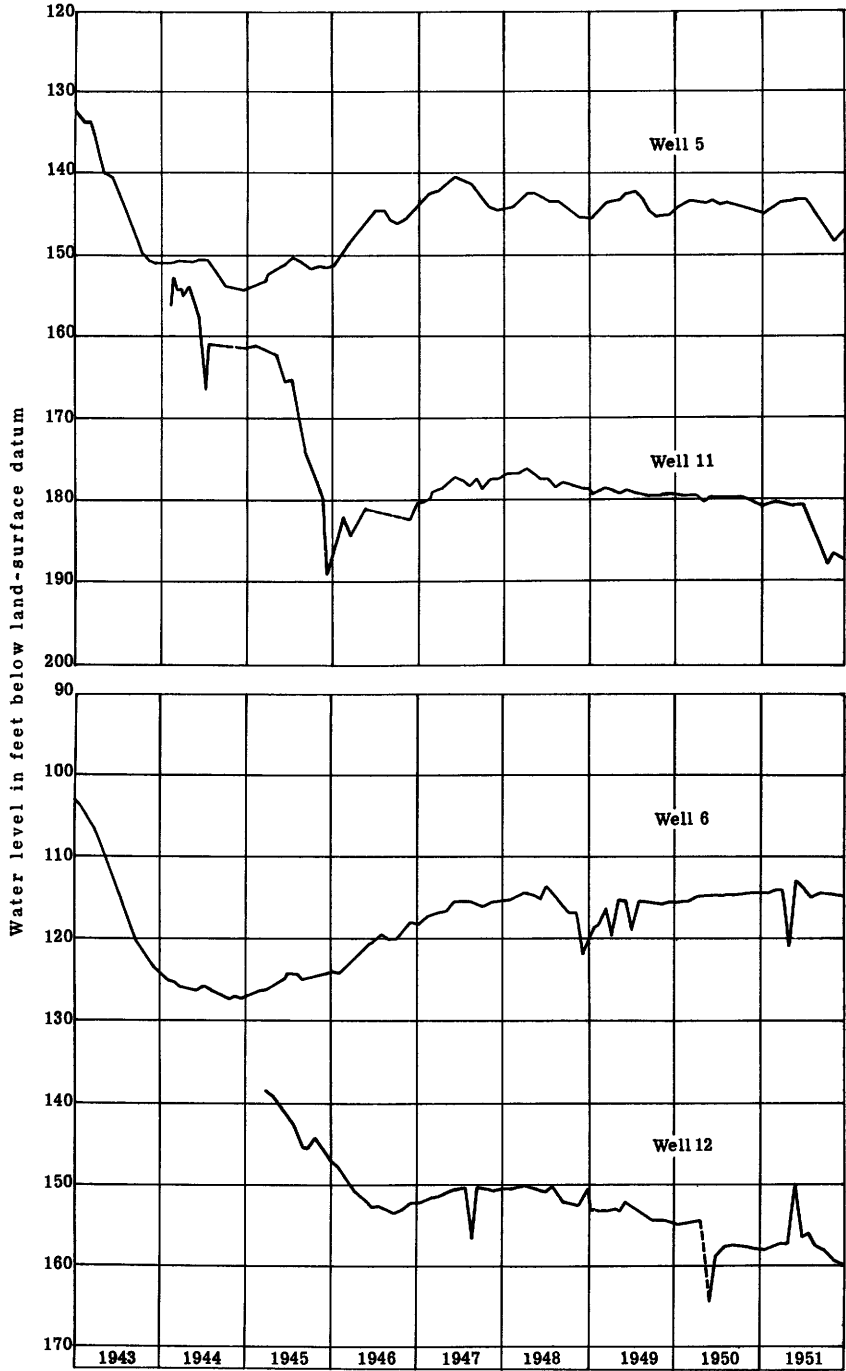


Figure 18. --Water levels in wells in the Garber sandstone and Wellington formation  
Cleveland County, Okla., 1943-51.

3 show rises of 0.01 foot, 1.98 feet, and 2.25 feet. Still another showed no change. Most of the water-level measurements in Canadian County were made in late spring, when water levels would normally be high, and again in early fall when normally they would be low. A few wells were measured more frequently, and these showed that in some wells, at least, the highs and lows did not come as anticipated. So far as the record goes, the highest levels in 22 of the 33 wells occurred in the spring and the lowest in 24 of them occurred in the fall. From the fall of 1950 to the fall of 1951, 1 well showed no net annual change, 14 showed net annual rises ranging from 0.01 foot to 2.25 feet, and 18 showed net annual declines ranging from 0.39 foot to 3.14 feet. The average net annual change in these wells is a decline of 0.31 foot. Jackson County well 1 about 9 miles west of Snyder is the only observation well in the alluvium of the North Fork of Red River. In April 1951, the water level was 0.18 foot higher than in April 1950. Fluctuations of water levels in the alluvium of the Washita River are observed in Caddo County wells 2 and 3, Grady County well 76, Roger Mills County well 1, and Custer County well 1. In Caddo County well 2 the water level fluctuated through a range of 9.54 feet, reaching its lowest stage in April and its highest only 2 months later, in June. In Caddo County well 3 and Grady County well 76, the lowest stage was recorded in December and the highest in May. In Caddo County the range of fluctuation was 15.98 feet; in Grady 76, 3.96 feet. The highest water levels recorded in Roger Mills County well 1 and Custer County well 1 occurred in July.

**Terrace deposits.** --Records for the irrigation well at the Southwestern Cotton Substation, showed a range of 2.64 feet in water-level fluctuations in 1951. The lowest level was on January 1, after which the water level rose gradually throughout the year reaching its highest level on December 31. The net annual rise was the same as the range of fluctuations. Observations were begun in Oklahoma County wells 10, 11, and 12 in July 1945, and over the period of record the water levels have shown net declines of 1.08, 3.02, and 2.47 feet, respectively. For the year 1951, well 11 showed a net decline in water level of 0.35 foot, but wells 10 and 12 showed net rises of 1.38 feet and 0.16 foot, respectively. These wells are in terrace deposits from which water is pumped for industrial and domestic uses, and from which the city of Bethany formerly obtained its public water supply. About the beginning of 1951, Bethany shifted to another supply, and it may be significant that the observation well nearest to Bethany showed the larger rise in water level in 1951. In Cleveland County well 1, in a thin terrace deposit, the water level at the beginning of the year was nearly 8 feet below the surface, or a little above average. In the first 5 months, the precipitation totaled about 10 inches, and the water in the well rose to the highest level on record, reached on May 28. Thereafter the water level declined for the rest of the year, reaching the lowest stage in December. The range of fluctuation was 8.30 feet, and the annual net change, from December 1950 to December 1951, was 1.18 feet.

Wells in the terrace deposits of Major, Garfield, and Kingfisher Counties showed an average net annual rise of 1.19 feet between late December 1950 and early December 1951. Of 37 wells, 28 showed rises ranging from 0.08 foot to 5.79 feet, and 9 showed declines ranging from 0.02 foot to 2.20 feet. Even though the trend in most of these wells was a rise, the year's highs and lows did not occur in a regular pattern. Water levels in some wells were at their highest stages for the year while those in other wells were at their lowest.

**Vamoosa formation.** --The Skelly Gas Corporation well in Seminole County taps water in sandstones of the Vamoosa formation. The highest water level for the year and the entire period of record was reached on June 15, and from that date the water level declined with minor variations, until the lowest level of the year was reached on October 27. Thereafter it rose to within 1.45 feet of the year's high. The net annual change, based on the water level at the end of December, was a rise of 3.34 feet, and the range of fluctuations was 5.96 feet.

#### Well-Numbering System

All wells listed in this report are numbered serially by counties.

#### Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

#### Beaver County

253. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 2 N., R. 23 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 14 feet. Land-surface datum is 2,582.3 feet above msl. Highest water level 7.87 below lsd, Oct. 11, 1951; lowest 9.11 below lsd, May 18, 1948. Records available: 1946-51. Feb. 21, 8.59; May 8, 8.48; Oct. 11, 7.87.

275. James W. Parker.  $SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$  sec. 7, T. 2 N., R. 24 E. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 94 feet. Highest water level 75.52 below lsd, May 8, 1951; lowest 76.75 below lsd, May 15, 1946. Records available: 1946-51. May 8, 75.52.

401. T. T. Yarnold.  $NE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 7, T. 3 N., R. 24 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 141 feet. Land-surface datum is 2,619.7 feet above msl. Highest water level 85.83 below lsd, May 19, 1950; lowest 92.50 below lsd, Apr. 1, 1939, July 1, 1941, Oct. 22, 1946. Records available: 1938-50. Measurement discontinued.

417. Ralph Ridgeway.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 11, T. 3 N., R. 25 E. Dug stock water-table well in alluvium, diameter 6 inches, depth 18 feet. Land-surface datum is 2,446.0 feet above msl. Highest water level 8.48 below lsd, May 8, 1951; lowest 13.17 below lsd, Jan. 28, 1941. Records available: 1938-42, 1944-51. May 8, 8.48.

432. George H. Button.  $NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 10, T. 3 N., R. 26 E. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 44 feet. Land-surface datum is 2,369.8 feet above msl. Highest water level 24.77 below lsd, May 11, 1949; lowest 29.59 below lsd, Jan. 30, 1940. Records available: 1938-42, 1944-47, 1949. No measurement made in 1951.

433. Federal Land Bank.  $NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$  sec. 12, T. 3 N., R. 26 E. Drilled unused water-table well in Laverne formation, diameter 5 inches, depth 47 feet. Land-surface datum is 2,355.8 feet above msl. Highest water level 36.26 below lsd, May 8, 1951; lowest 40.30 below lsd, Jan. 28, 1941. Records available: 1938-51. May 8, 36.26.

518. Peter Sanders Estate.  $NE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$  sec. 36, T. 4 N., R. 23 E. Drilled stock water-table well in rocks of Permian age, diameter 5 inches, depth 74 feet. Land-surface datum is 2,545.0 feet above msl. Highest water level 35.06 below lsd, May 19, 1950; lowest 39.76 below lsd, Sept. 22, 1940. Records available: 1938-41, 1943-44, 1946, 1948, 1950. No measurement made in 1951.

523. Frances M. Hancock.  $SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$  sec. 24, T. 4 N., R. 24 E. Drilled stock water-table well in alluvium, diameter 4 inches, depth 34 feet. Land-surface datum is 2,378.3 feet above msl. Highest water level 21.01 below lsd, Oct. 28, 1941; lowest 23.73 below lsd, Sept. 22, 1940. Records available: 1938-46, 1948-51. May 8, 21.74.

527. Mrs. Ellen F. Williams.  $SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$  sec. 30, T. 4 N., R. 24 E. Drilled stock water-table well in rocks of Permian age, diameter 4 inches, depth 73 feet. Land-surface datum is 2,493.1 feet above msl. Highest water level 41.76 below lsd, May 8, 1951; lowest 47.19 below lsd, May 21, 1940. Records available: 1938-51. May 8, 41.76.

528. Southwestern Public Service Co.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 7, T. 4 N., R. 24 E. Dug unused water-table well in alluvium, diameter 16 to 2 feet, depth 34 feet, cased to 34 feet. Highest water level 2.98 below lsd, June 24, 1949; lowest 15.86 below lsd, Sept. 23, 1940. Records available: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	11.53	Apr. 6	10.65	July 13	5.96	Oct. 12	10.26
12	11.44	13	10.42	20	7.15	19	10.38
19	11.38	20	10.38	27	6.96	26	10.44
26	11.36	27	10.51	Aug. 3	7.61	Nov. 2	10.32
Feb. 2	11.24	May 4	10.74	10	7.94	9	10.32
9	11.19	11	10.84	17	7.57	16	10.30
16	11.21	28	3.98	24	8.98	23	10.28
23	11.24	June 1	5.03	31	8.98	30	10.17
Mar. 2	11.17	8	6.01	Sept. 7	8.42	Dec. 7	10.19
9	11.09	15	4.69	14	9.69	14	10.34
16	11.05	22	4.98	21	9.86	21	10.44
23	11.09	29	3.78	28	10.01	28	9.57
30	10.82	July 6	5.07	Oct. 5	10.19		

576. J. C. Peters.  $SE\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$  sec. 2, T. 5 N., R. 20 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 171 feet. Land-surface datum is 2,773.5 feet above msl. Highest water level 153.52 below lsd, May 7, 1951; lowest 160.04 below lsd, Apr. 3, 1939. Records available: 1938-51. May 7, 153.52.

591. A. J. Isaac.  $SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$  sec. 12, T. 5 N., R. 21 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 208 feet. Land-surface datum is 2,705.2 feet above msl. Highest water level 188.17 below lsd, May 7, 1951; lowest 192.41 below lsd, Nov. 26, 1938. Records available: 1938-51. May 7, 188.17.



612. Clarence Lamaster. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, T. 4 N., R. 28 E. Drilled unused water-table well in alluvium, diameter 15 inches, depth 35 feet. Highest water level 7.65 below lsd, Nov. 28, 1941; lowest 13.97 below lsd, Aug. 27, 1946. Records available: 1941-51. Feb. 20, 10.34; Apr. 23, 9.92; May 8, 10.21; July 9, 7.82; Oct. 8, 11.08.

613. T. J. Trew. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 5 N., R. 22 E. Drilled unused water-table well in Ogallala formation, depth 84 feet. Land-surface datum is 2,574.9 feet above msl. Highest water level 52.10 below lsd, May 7, 1951; lowest 66.80 below lsd, Jan. 27, 1940. Records available: 1938-51. May 7, 52.10.

617. Minnie B. Dorman and others. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 20, T. 5 N., R. 22 E. Drilled unused water-table well in Ogallala formation, depth 186 feet. Land-surface datum is 2,678.1 feet above msl. Highest water level 165.58 below lsd, May 7, 1951; lowest 169.44 below lsd, Nov. 20, 1938. Records available: 1938-51. May 7, 165.58.

647. Gilbert Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 5 N., R. 24 E. Drilled unused water-table well in rocks of Quaternary age, diameter 5 inches, depth 72 feet. Land-surface datum is 2,530.7 feet above msl. Highest water level 45.06 below lsd, May 8, 1951; lowest 52.79 below lsd, Jan. 27, 1941. Records available: 1938-51. Feb. 20, 45.29; May 8, 45.06.

649. Arthur Williams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T. 5 N., R. 24 E. Dug unused water-table well in rocks of Quaternary age, diameter 6 inches, depth 16 feet. Land-surface datum is 2,474.7 feet above msl. Highest water level 4.05 below lsd, Apr. 22, 1942; lowest 9.48 below lsd, Sept. 23, 1939. Records available: 1938-51. Feb. 20, 4.97; May 8, 5.02; Oct. 26, 5.11.

767. Robert F. LeCrone. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 6 N., R. 23 E. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 197 feet. Land-surface datum is 2,545.2 feet above msl. Highest water level 58.91 below lsd, May 19, 1950; lowest 77.08 below lsd, Nov. 26, 1938. Records available: 1938-51. May 8, 58.99.

777. Harry McAdams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T. 6 N., R. 24 E. Drilled unused water-table well in rocks of Quaternary age, diameter 4 inches, depth 36 feet. Land-surface datum is 2,448.9 feet above msl. Highest water level 12.57 below lsd, May 19, 1950; lowest 30.62 below lsd, Jan. 27, 1941. Records available: 1938-51. May 8, 14.11.

#### Blaine County

1. Oklahoma City Water Department observation well E. NE $\frac{1}{4}$  sec. 27, T. 16 N., R. 12 W. Jetted observation water-table well in alluvium, diameter 2 inches, depth 11 feet. Land-surface datum is 1,472.9 feet above msl. Highest water level 0.66 below lsd, Oct. 30, 1941; lowest 7.73 below lsd, Oct. 22, 1943. Records available: 1939-51. Feb. 22, 5.40; Apr. 22, 5.29; July 9, 2.78; Oct. 8, 6.40.

2. Oklahoma City Water Department observation well F. Near NE. corner sec. 9, T. 18 N., R. 13 W. Jetted observation water-table well in alluvium, diameter 2 inches, depth 11 feet. Highest water level 0.39 above lsd, Oct. 27, 1941; lowest 9.40 below lsd, Dec. 15, 1939. Records available: 1939-50. Measurement discontinued.

3. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, T. 18 N., R. 13 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 12 feet, cased to 12, screen at 10-12. Highest water level 3.44 below lsd, Mar. 19, 1951; lowest 5.03 below lsd, Oct. 8, 1951. Records available: 1951. Mar. 19, 3.44; Apr. 23, 3.73; July 9, 2.44; Oct. 8, 5.03.

#### Caddo County

1. P. C. Haun. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 7 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 64 feet. Highest water level 47.93 below lsd, Mar. 30, 1948; lowest 50.82 below lsd, Dec. 15, 1951. Records available: 1945-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	49.84	Apr. 7	49.79	July 7	50.08	Oct. 6	50.39
13	49.54	14	49.54	14	50.17	13	50.22
20	49.81	21	49.79	21	49.99	20	50.03
29	50.16	28	49.76	28	50.11	27	50.33
Feb. 3	49.60	May 5	49.83	Aug. 4	50.17	Nov. 3	50.12
10	49.65	12	49.87	11	50.24	10	50.35
17	49.51	19	49.84	18	50.15	17	50.75
24	49.64	26	49.97	25	50.14	24	50.33
Mar. 3	49.67	June 2	49.95	Sept. 1	50.09	Dec. 1	50.21
10	49.63	9	50.03	8	50.26	8	50.59
17	49.49	16	49.85	15	50.30	15	50.82
24	49.95	23	49.93	22	50.34	22	50.28
31	49.62	30	50.05	29	50.26	29	50.09

2. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 7 N., R. 12 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 17 feet, cased to 16. Highest water level 4.45 below lsd, June 30, 1951; lowest 14.49 below lsd, Apr. 29, 1950. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	13.82	Apr. 28	13.99	Aug. 25	11.10	Nov. 25	13.98
Feb. 24	13.75	June 30	4.45	Sept. 30	12.34	Dec. 30	13.98
Mar. 31	13.77	July 28	8.36	Oct. 28	13.36		

3. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, T. 7 N., R. 13 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 18 feet, cased to 16. Highest water level 1.00 below lsd, May 26, 1951; lowest 16.98 below lsd, Dec. 30, 1951. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	15.82	Apr. 28	15.89	July 28	13.22	Oct. 28	16.74
Feb. 24	15.60	May 26	1.00	Aug. 25	15.48	Nov. 25	16.91
Mar. 31	15.72	June 30	8.84	Sept. 30	16.31	Dec. 30	16.98

4. James Avery. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, T. 8 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, reported depth 330 feet, cased to 12. Highest water level 15.12 below lsd, Mar. 24, 1948; lowest 23.05 below lsd, Aug. 19, 1950. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	18.15	Apr. 7	17.64	July 7	16.91	Oct. 6	19.11
13	17.88	14	17.40	14	17.15	13	19.04
20	18.21	21	17.63	21	17.29	20	18.85
29	18.07	28	17.52	28	17.51	27	19.15
Feb. 3	17.78	May 5	17.53	Aug. 4	17.88	Nov. 3	18.91
10	17.85	12	17.62	11	18.11	10	19.10
17	17.76	19	17.34	18	18.32	17	19.24
24	17.77	26	17.09	25	18.45	24	18.93
Mar. 3	17.85	June 2	17.05	Sept. 1	18.62	Dec. 1	18.95
10	17.59	9	17.03	8	18.74	8	19.16
17	17.68	16	16.69	15	18.84	15	19.26
24	17.75	23	16.69	22	18.80	22	18.79
31	17.54	30	16.86	29	18.76	29	18.77

5. Harvey McAnally. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 9 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 8 inches, depth 29 feet. Highest water level 14.05 below lsd, June 22, 1949; lowest 17.20 below lsd, Sept. 25, 1948. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	15.47	Apr. 7	15.35	July 7	15.45	Oct. 6	17.09
13	15.27	14	15.19	14	15.78	13	18.86
20	15.54	21	15.27	21	15.95	20	16.70
29	15.50	28	15.38	28	16.16	27	16.78
Feb. 3	15.26	May 5	15.39	Aug. 4	15.38	Nov. 3	16.57
10	15.30	12	15.48	11	16.54	10	16.49
17	15.25	19	15.27	18	16.70	17	16.52
24	15.24	26	15.12	25	16.74	24	16.35
Mar. 3	15.32	June 2	15.15	Sept. 1	16.89	Dec. 1	16.19
10	15.21	9	15.17	8	17.02	8	16.30
17	15.25	16	15.02	15	16.98	15	16.29
24	15.41	23	15.10	22	16.89	22	15.98
31	15.22	30	15.34	29	16.90	29	15.89

7. Clark Mooter. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 9 N., R. 12 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 8 inches, depth 40 feet. Highest water level 13.57 below lsd, June 16, 1951; lowest 16.60 below lsd, Oct. 27, 1948. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	14.00	Apr. 7	13.84	July 7	14.06	Oct. 7	15.22
13	13.90	14	13.79	14	14.37	14	15.13
20	13.88	21	13.83	21	15.38	20	15.09
29	13.88	28	14.14	28	15.05	28	15.00
Feb. 3	14.61	May 5	14.89	Aug. 4	14.85	Nov. 4	15.00
10	13.85	12	13.94	11	15.36	11	14.73
17	13.82	19	13.98	18	15.89	18	14.65
24	13.73	26	14.12	25	15.10	25	14.50
Mar. 3	13.77	June 2	13.73	Sept. 1	15.35	Dec. 1	14.49
10	13.82	9	14.08	8	15.36	8	14.43
17	13.72	16	13.57	16	15.50	15	14.46
24	14.46	23	13.65	23	15.16	22	14.31
31	13.72	30	14.50	30	15.24	29	14.82

10. Joe Dees. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, T. 9 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 42 feet. Highest water level 23.21 below lsd, July 24, 1949; lowest 26.38 below lsd, June 10, 1950. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	24.67	Apr. 7	24.75	July 7	24.78	Oct. 6	25.44
13	24.57	14	24.67	14	24.87	13	25.45
20	24.75	21	24.81	21	24.82	20	25.39
29	24.76	28	24.74	28	24.90	27	25.55
Feb. 3	24.63	May 5	24.78	Aug. 4	24.95	Nov. 3	25.47
10	24.69	12	24.84	11	25.02	10	25.56
17	24.66	19	24.84	18	25.08	17	25.62
24	24.72	26	24.89	25	25.12	24	25.47
Mar. 3	24.74	June 2	24.89	Sept. 1	25.17	Dec. 1	25.55
10	24.67	9	24.89	8	25.22	8	25.64
17	24.68	16	24.82	15	25.30	15	25.69
24	24.79	23	24.82	22	25.33	22	25.51
31	24.66	30	24.84	29	25.33	29	25.45

11. Indian land, Ed S. Prather, tenant. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 8 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 9 inches, depth 201 feet, cased to 4. Highest water level 53.42 below lsd, May 5, 1947; lowest 55.74 below lsd, Dec. 14, 1951. Records available: 1948-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	54.49	54.94	54.79	54.85	54.86	54.83	55.00	54.96	54.98	55.01	55.36	h55.10
2	.....	54.80	54.49	54.86	54.95	54.92	54.91	54.94	55.01	54.95	55.49	54.98
3	.....	54.63	h54.80	54.83	54.84	54.99	54.86	54.95	55.07	54.83	55.13	55.27
4	.....	54.67	54.78	54.60	54.84	55.01	55.04	55.00	55.11	54.86	55.19	55.12
5	.....	54.59	54.62	54.54	54.77	54.90	54.96	54.99	h55.12	55.09	55.39	54.96
6	h54.96	.....	54.72	54.77	55.01	54.82	54.96	54.94	55.13	55.37	55.39	55.28
7	.....	.....	54.78	54.85	55.01	54.71	54.94	54.92	55.14	55.41	.....	55.51
8	.....	.....	54.92	54.78	54.80	54.83	54.92	55.09	55.36	.....	.....	55.51
9	.....	.....	54.91	54.66	54.74	55.01	54.85	55.02	54.99	55.27	.....	55.56
10	.....	h54.66	54.68	54.86	54.92	54.99	54.90	55.10	55.08	55.16	h55.28	55.48
11	.....	54.59	55.06	54.90	54.92	54.83	54.95	55.11	54.98	55.05	55.18	55.24
12	.....	54.79	55.06	54.82	54.81	54.89	54.96	55.09	55.99	55.08	54.78	55.06
13	h54.59	55.09	54.80	54.77	54.79	54.93	55.08	55.05	55.22	55.18	55.12	55.06
14	.....	55.05	54.69	54.65	54.87	54.92	55.00	55.00	55.21	55.21	55.17	55.74
15	.....	54.81	54.71	54.98	54.91	54.83	54.89	55.04	55.27	55.11	.....	h55.78
16	.....	54.65	54.60	55.02	54.91	54.75	54.96	55.05	55.26	55.21	.....	.....
17	.....	54.54	54.91	54.82	.....	54.87	54.99	55.01	55.05	55.27	h55.62	.....
18	.....	54.48	55.06	54.68	.....	54.88	54.97	55.03	55.06	55.33	55.34	.....
19	54.46	54.56	54.96	54.84	h54.80	54.84	54.95	55.03	54.94	55.33	55.15	.....
20	55.15	54.83	54.74	54.75	.....	54.82	54.94	54.99	54.97	54.94	.....	.....
21	55.15	54.83	54.80	54.85	54.75	54.83	54.90	55.01	55.23	55.07	.....	h55.33
22	54.66	54.69	54.61	55.21	54.90	54.84	54.88	55.06	55.22	55.26	.....	55.35
23	.....	54.72	54.98	55.03	54.96	54.85	55.05	55.06	55.05	55.25	.....	55.44
24	.....	54.67	55.02	54.60	54.89	55.04	54.99	55.00	55.03	55.26	h55.21	55.44
25	.....	54.51	54.76	54.87	54.96	54.99	54.92	55.01	55.10	55.14	55.28	55.52
26	.....	54.71	54.68	54.87	54.96	54.84	54.93	54.95	55.10	55.16	55.40	55.67
27	h54.65	54.70	54.50	54.75	54.93	54.83	54.93	54.94	54.97	55.21	55.26	55.64
28	54.94	54.79	.....	54.73	54.83	54.96	54.92	54.95	55.33	55.19	55.21	55.01
29	54.94	.....	.....	54.57	54.77	54.92	54.91	55.00	55.16	54.97	.....	54.94
30	54.86	.....	.....	54.67	54.89	54.97	54.96	55.01	55.01	55.31	.....	55.06
31	54.79	h54.62	.....	54.89	.....	54.96	55.00	.....	.....	55.31	.....	55.36

h Tape measurement.

12. Fred Dinkler, Jr. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, T. 7 N., R. 12 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, reported depth 32 feet. Highest water level 10.90 below lsd, Oct. 1, 1950; lowest 22.36 below lsd, Sept. 25, 1948. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	20.88	Apr. 28	20.82	July 28	21.02	Oct. 28	22.06
Feb. 24	20.83	May 26	20.59	Aug. 25	21.53	Nov. 25	21.98
Mar. 31	20.82	June 30	20.32	Sept. 30	21.90	Dec. 30	21.47

14. U. S. Geol. Survey. SE. cor. sec. 28, T. 9 N., R. 13 W. Drilled observation water-table well in Rush Springs sandstone, diameter 8 inches, depth 335 feet, cased to 9. Highest water level 34.71 below lsd, Aug. 1, Aug. 13, 1949; lowest 37.74 below lsd, Mar. 14, 1949. Records available: 1948-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.89	36.24	36.24	36.40	36.47	36.44	36.42	36.45	36.58	36.65	36.87	36.79
2	35.93	36.19	36.08	36.41	36.51	36.48	36.36	36.43	.....	36.57	36.87	36.74
3	35.98	36.05	36.26	36.39	36.47	36.53	36.34	36.44	.....	36.57	36.72	36.87
4	36.07	36.12	36.23	36.26	36.50	36.54	36.45	36.49	.....	36.74	36.74	36.76
5	36.04	36.03	36.19	36.26	36.45	36.48	36.37	36.49	.....	36.74	36.83	36.71
6	36.15	36.27	36.28	36.34	36.60	36.43	36.38	36.46	36.66	36.81	36.82	36.87
7	36.15	36.29	36.28	36.38	36.56	36.34	36.36	36.42	36.71	36.81	36.83	36.98
8	36.05	36.13	36.37	36.37	36.43	36.40	36.31	36.45	36.65	36.74	36.72	36.99
9	35.93	36.15	36.37	36.34	36.43	36.48	36.33	.....	36.64	36.72	36.73	37.01
10	36.11	36.10	36.28	36.47	36.51	36.51	36.35	.....	36.68	36.71	36.81	36.93
11	36.05	36.05	36.42	36.47	36.51	36.42	36.38	.....	36.62	36.67	36.76	36.84
12	35.99	36.15	36.42	36.41	36.48	36.44	36.41	36.57	.....	36.64	36.60	36.78
13	35.99	36.32	36.25	36.39	36.46	36.47	36.46	36.57	.....	36.67	36.74	36.76
14	36.03	36.28	36.25	36.33	36.50	36.48	36.43	36.52	.....	36.67	36.74	37.09
15	36.13	36.19	36.26	36.48	36.53	36.45	36.40	36.55	.....	36.62	36.94	37.09
16	36.09	36.11	36.15	36.48	36.51	36.36	36.43	36.55	36.76	36.71	36.98	36.88
17	35.93	36.08	36.35	36.36	36.47	36.42	36.43	36.55	36.64	36.71	36.97	36.88
18	35.96	36.07	36.43	36.36	36.47	36.42	36.42	36.59	36.64	36.72	36.85	36.92
19	35.94	36.11	36.87	36.40	36.50	36.39	36.41	36.54	36.58	36.72	36.77	36.70
20	36.25	36.26	36.39	36.35	36.48	36.39	36.36	36.54	36.61	36.53	36.74	36.90
21	36.25	36.25	36.39	36.49	36.53	36.35	36.38	36.60	36.74	36.68	36.69	36.93
22	36.05	36.20	36.22	36.60	36.51	36.32	36.41	36.60	36.74	36.71	36.78	36.89
23	36.11	36.25	36.46	36.45	36.51	36.34	36.46	36.59	36.67	36.74	36.82	36.98
24	36.14	36.17	36.46	36.29	36.40	36.45	36.43	36.57	36.69	36.74	36.83	36.97
25	36.14	36.12	36.32	36.44	36.40	36.42	36.42	36.57	36.69	36.72	36.89	37.05
26	36.04	36.21	36.28	36.44	36.52	36.34	36.42	36.57	36.62	36.74	36.93	37.10
27	36.10	36.17	36.16	36.41	36.50	36.34	36.44	36.53	36.82	36.78	36.85	37.09
28	36.20	36.24	36.35	36.38	36.45	36.42	36.42	36.55	36.78	36.77	36.85	36.76
29	36.22		36.37	36.32	36.43	36.36	36.44	36.59	36.71	36.65	36.85	36.71
30	36.19		36.32	36.36	36.47	36.39	36.45	36.58	36.67	36.83	36.83	36.73
31	36.20		36.32		36.45		36.45	36.57		36.82		36.97

15. Fred Dinkler, Jr. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 7 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 30 feet. Highest water level 15.52 below lsd, June 21, 1949; lowest 20.13 below lsd, Dec. 30, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	19.49	Apr. 28	19.53	Sept. 30	19.89	Nov. 25	20.08
Feb. 24	19.51	May 26	18.94	Oct. 28	20.04	Dec. 30	20.13
Mar. 31	19.50						

16. Joe Dees. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T. 9 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 37 feet. Highest water level 24.78 below lsd, June 21, 1949; lowest 28.77 below lsd, Oct. 27, 1951. Records available: 1948-51.

Jan. 6	26.96	Apr. 7	26.28	July 7	26.35	Oct. 6	28.66
13	26.77	14	26.23	14	26.71	13	28.65
20	26.93	21	26.42	21	26.92	20	28.55
29	26.84	28	26.43	28	27.17	27	28.77
Feb. 3	26.70	May 5	26.46	Aug. 4	27.42	Nov. 3	28.62
10	26.71	12	26.58	11	27.58	10	28.63
17	26.62	19	26.46	18	27.82	17	28.74
24	26.57	26	27.21	25	27.96	24	28.17
Mar. 3	26.52	June 2	26.16	Sept. 1	28.14	Dec. 1	28.33
10	26.34	9	26.14	8	28.30	8	28.41
17	26.33	16	25.99	15	28.43	15	28.42
24	26.36	23	26.01	22	28.48	22	28.06
31	26.24	30	26.14	29	28.50	29	27.94

17. Virgil A. Goodwin. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 27, T. 9 N., R. 13 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 7 inches, depth 199 feet. Highest water level 29.28 below lsd, Feb. 12, 1949; lowest 32.93 below lsd, Oct. 6, 1951. Records available: 1948-51.

## 17--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	30.04	Mar. 31	30.06	June 23	30.48	Oct. 20	31.87
13	29.86	Apr. 7	30.14	30	30.55	27	31.77
20	30.05	14	30.07	July 7	30.55	Nov. 3	31.59
29	30.05	21	30.23	14	30.64	10	31.53
Feb. 3	29.89	28	30.19	21	31.10	17	31.57
10	29.95	May 5	30.27	28	31.45	24	31.35
17	29.91	12	30.32	Aug. 4	32.92	Dec. 1	31.28
24	29.95	19	30.33	Sept. 15	32.90	8	31.36
Mar. 3	30.00	26	30.32	22	32.32	15	31.42
10	29.96	June 2	30.46	Oct. 6	32.93	22	31.12
17	29.99	9	30.49	13	32.20	29	31.05
24	30.15	16	30.42				

18. Neil Horn. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 33, T. 9 N., R. 13 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 6 inches, depth 295 feet. Highest water level 34.40 below lsd, Mar. 10, 1951; lowest 47.47 below lsd, Oct. 9, 1950. Records available: 1948-51.

Jan. 6	34.70	Mar. 17	34.47	May 26	34.57	Nov. 3	38.20
13	34.54	24	34.51	June 2	34.54	10	37.66
20	34.70	31	34.44	9	34.57	17	37.26
29	34.60	Apr. 7	34.51	16	34.45	24	36.94
Feb. 3	34.45	14	34.46	23	34.42	Dec. 1	36.71
10	34.50	21	34.52	30	34.44	8	36.57
17	34.44	28	34.47	Sept. 15	39.44	15	36.46
24	34.46	May 5	34.52	Oct. 6	43.35	22	36.19
Mar. 3	34.51	12	34.51	20	38.54	29	36.07
10	34.40	19	34.50	27	40.51		

19. Westidge. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 24, T. 9 N., R. 13 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 25 feet. Highest water level 12.06 below lsd, June 22, 1949; lowest 16.31 below lsd, Nov. 24, 1951. Records available: 1949-51.

Jan. 6	13.98	Apr. 7	14.49	July 7	13.68	Oct. 6	15.77
13	13.91	14	14.62	14	13.98	13	15.82
20	13.82	21	14.74	21	14.24	20	15.70
29	13.98	28	15.28	28	15.57	27	15.78
Feb. 3	13.92	May 5	14.04	Aug. 4	15.09	Nov. 3	15.56
10	13.86	12	14.03	11	14.98	10	15.51
17	14.31	19	13.78	18	15.15	17	15.45
24	13.87	26	13.05	25	15.68	24	16.31
Mar. 3	13.82	June 2	13.20	Sept. 1	15.48	Dec. 1	15.31
10	13.82	9	14.52	8	15.82	8	15.10
17	13.87	16	12.65	15	15.64	15	15.94
24	13.89	23	13.01	22	15.94	22	14.97
31	13.83	30	13.39	29	15.70	29	14.86

23. Cox. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 10 N., R. 12 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 16 inches, reported depth 360 feet, cased to 12. Highest water level 113.09 below lsd, Sept. 24, 1950; lowest 115.55 below lsd, Oct. 7, 1951. Records available: 1949-51.

Jan. 6	114.03	Mar. 3	113.49	July 14	113.58	Oct. 28	114.89
13	113.47	10	113.45	Aug. 11	115.00	Nov. 4	114.80
20	113.91	17	113.17	Sept. 16	115.16	11	114.47
29	113.81	24	113.78	23	113.99	18	114.52
Feb. 3	113.42	31	113.34	Oct. 7	115.55	25	114.38
10	113.61	Apr. 7	113.52	14	115.04	Dec. 1	114.17
17	113.35	June 30	113.47	21	114.75	30	113.87
24	113.52	July 7	113.45				

26. Dave Tackett. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 9 N., R. 11 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 85 feet. Highest water level 50.30 below lsd, Mar. 26, 1950; lowest 51.99 below lsd, Mar. 19, 1949. Records available: 1949-51.

Jan. 6	51.08	Mar. 10	50.48	May 12	50.64	July 14	50.81
13	50.57	17	50.45	19	50.63	21	50.69
20	51.05	24	50.81	26	50.96	28	50.77
29	51.02	31	50.49	June 2	50.72	Aug. 4	50.86
Feb. 3	50.52	Apr. 7	50.65	9	50.79	11	50.93
10	50.66	14	50.42	16	50.58	18	50.83
17	50.57	21	50.70	23	51.13	25	50.71
24	50.55	28	50.49	30	50.77	Sept. 1	50.68
Mar. 3	50.67	May 5	50.68	July 7	50.68	8	50.82

## 26--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 15	50.96	Oct. 14	51.04	Nov. 11	50.65	Dec. 8	50.99
23	50.77	21	50.49	18	51.00	15	51.15
30	50.73	28	50.82	25	50.72	22	50.48
Oct. 7	51.19	Nov. 4	50.81	Dec. 1	50.41	29	50.37

31. Floyd L. King. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, T. 9 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 7 inches, depth 109 feet. Highest water level 60.96 below lsd, July 22, 1950; lowest 62.22 below lsd, Dec. 15, 1951. Records available: 1949-51.

Jan. 6	62.06	Apr. 7	61.68	July 7	61.71	Oct. 6	61.98
13	61.69	14	61.53	14	61.83	13	61.79
20	62.10	21	61.73	21	61.72	20	61.55
29	61.98	28	61.55	28	61.78	27	61.88
Feb. 3	61.60	May 5	61.58	Aug. 4	61.83	Nov. 3	61.75
10	61.72	12	61.63	11	61.89	10	61.87
17	61.62	19	61.68	18	61.83	17	62.10
24	61.63	26	61.82	25	61.73	24	61.95
Mar. 3	61.77	June 2	61.76	Sept. 1	61.66	Dec. 1	61.68
10	61.56	9	61.80	8	61.77	8	62.00
17	61.64	16	61.65	15	61.87	15	62.22
24	61.79	23	61.70	22	61.80	22	61.60
31	61.58	30	61.83	29	61.75	30	61.53

33. L. E. Hall. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 8 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 5 inches, depth 120 feet, cased to 5. Highest water level 23.79 below lsd, July 7, 1951; lowest 26.44 below lsd, Sept. 1, 1951. Records available: 1949-51.

Jan. 6	24.67	Apr. 7	24.55	July 7	23.79	Oct. 6	25.49
13	24.54	14	24.44	14	24.14	13	25.41
20	24.74	21	24.62	21	24.36	20	25.32
29	24.71	28	24.57	28	24.58	27	25.43
Feb. 3	24.55	May 5	24.52	Aug. 4	24.93	Nov. 3	25.21
10	24.60	12	24.67	11	25.03	10	25.26
17	24.56	19	24.68	18	25.21	17	25.32
24	24.54	26	24.46	25	25.20	24	25.07
Mar. 3	24.60	June 2	24.34	Sept. 1	26.44	Dec. 1	24.80
10	24.49	9	24.17	8	25.62	8	25.05
17	24.51	16	23.96	15	25.55	15	25.00
24	24.56	23	23.85	22	25.41	22	24.73
31	24.28	30	23.90	29	25.30	29	24.82

35. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 50 feet, cased to 10. Highest water level 7.43 below lsd, May 19, 1951; lowest 11.40 below lsd, Sept. 1, 1951. Records available: 1949-51.

Jan. 6	8.68	Apr. 7	8.31	July 7	9.55	Oct. 6	10.74
13	8.57	14	8.30	14	9.99	13	10.72
20	8.67	21	8.28	21	10.36	20	10.65
29	8.69	28	8.49	28	10.58	27	10.53
Feb. 3	8.47	May 5	8.54	Aug. 4	10.85	Nov. 3	10.23
10	8.43	12	8.76	11	10.92	10	10.08
17	8.26	19	7.43	18	11.23	17	9.92
24	8.07	26	7.74	25	11.05	25	9.77
Mar. 3	8.28	June 2	8.13	Sept. 1	11.40	Dec. 1	9.58
10	8.03	9	8.49	8	11.36	8	9.54
17	8.16	16	7.87	15	10.59	15	9.52
24	8.32	23	8.65	22	10.56	22	9.31
31	8.17	30	9.26	29	10.60	29	9.21

36. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 50 feet, cased to 8. Highest water level 18.40 below lsd, June 16, 1951; lowest 19.49 below lsd, Oct. 6, 1951. Records available: 1950-51.

Jan. 6	19.19	Feb. 24	18.93	Apr. 7	18.86	May 19	18.75
13	18.96	Mar. 3	19.02	14	18.78	26	18.68
20	19.25	10	18.89	21	18.99	June 2	18.60
29	19.26	17	18.89	28	18.90	9	18.58
Feb. 3	18.95	24	19.08	May 5	18.92	16	18.40
10	19.01	31	18.86	12	18.97	23	18.46
17	18.89						

## 36--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 30	18.61	Aug. 18	19.25	Oct. 6	19.49	Nov. 25	18.89
July 7	18.62	25	19.32	13	19.32	Dec. 1	18.82
14	18.82	Sept. 1	19.45	20	19.15	8	19.03
21	18.85	8	19.48	27	19.33	15	19.17
28	19.00	15	19.42	Nov. 3	19.07	22	18.70
Aug. 4	19.22	22	19.27	10	19.15	29	18.63
11	19.32	29	19.26	17	19.32		

37. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 80 feet, cased to 6. Highest water level 18.06 below lsd, June 23, 1949; lowest 20.13 below lsd, Dec. 15, 1951. Records available: 1949-51.

Jan. 6	19.50	Apr. 7	19.66	July 7	19.82	Oct. 6	19.86
13	19.32	14	19.52	14	19.87	13	19.79
20	19.56	21	19.70	21	19.77	20	19.67
29	19.59	28	19.64	28	19.75	27	19.87
Feb. 3	19.36	May 5	19.72	Aug. 4	19.81	Nov. 3	19.72
10	19.47	12	19.76	11	19.84	10	19.85
17	19.39	19	19.72	18	19.82	17	20.04
24	19.51	26	19.76	25	19.78	25	19.77
Mar. 3	19.56	June 2	19.79	Sept. 1	19.72	Dec. 1	19.78
10	19.48	9	19.82	8	19.81	8	20.02
17	19.42	16	19.72	15	19.84	15	20.13
24	19.72	23	19.73	22	19.73	22	19.78
31	19.54	30	19.82	29	19.71	29	19.70

38. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 70 feet, cased to 4. Highest water level 12.85 below lsd, June 23, 1949; lowest 16.58 below lsd, Dec. 15, 1951. Records available: 1949-51.

Jan. 6	15.39	Apr. 7	15.14	July 7	14.21	Oct. 6	15.98
13	15.02	14	14.76	14	14.40	13	15.83
20	15.45	21	15.10	21	14.40	20	15.55
29	15.44	28	14.95	28	14.62	27	15.99
Feb. 3	14.93	May 5	14.97	Aug. 4	14.94	Nov. 3	15.68
10	15.10	12	15.02	11	15.14	10	16.04
17	14.99	19	14.85	18	15.25	17	16.43
24	15.07	26	14.75	25	15.31	24	16.03
Mar. 3	15.21	June 2	14.52	Sept. 1	15.40	Dec. 1	15.90
10	14.98	9	14.48	8	15.54	8	16.33
17	14.98	16	14.07	15	15.66	15	16.58
24	15.31	23	14.08	22	15.78	22	15.87
31	14.89	30	14.20	29	15.65	29	15.74

39. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 70 feet. Highest water level 20.07 below lsd, June 23, 1949; lowest 24.02 below lsd, Oct. 28, 1951. Records available: 1949-51.

Jan. 6	22.47	Apr. 7	21.86	July 7	21.53	Oct. 7	23.85
13	22.40	14	21.85	14	21.88	14	23.89
20	22.42	21	21.88	21	22.13	21	23.90
29	22.39	28	21.83	28	22.37	28	24.02
Feb. 3	22.37	May 5	21.83	Aug. 4	22.64	Nov. 4	23.81
10	22.29	12	21.90	11	22.87	11	23.55
17	22.24	19	21.73			18	23.58
24	22.17	26	21.54	25	23.23	25	23.48
Mar. 3	22.15	June 2	21.44	Sept. 1	23.36	Dec. 1	23.38
10	22.06	9	21.28	8	23.60	8	23.35
17	22.02	16	21.02	16	23.61	15	23.29
24	22.98	23	21.02	23	23.68	22	23.14
31	21.94	30	21.28	30	23.73	29	23.06

40. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 60 feet. Highest water level 24.85 below lsd, June 23, 1949; lowest 26.40 below lsd, Dec. 15, 1951. Records available: 1949-51.

## 40--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	25.50	Apr. 14	25.47	July 14	25.04	Oct. 7	25.93
20	25.59	21	25.56	21	25.14	14	25.96
29	25.65	28	25.56	28	25.04	21	25.86
Feb. 3	25.54	May 5	25.63	Aug. 4	25.08	28	26.05
10	25.57	12	25.63	11	25.15	Nov. 4	25.68
17	25.54	19	25.65	18	25.22	11	26.05
24	25.55	26	25.58	25	25.30	18	26.10
Mar. 3	25.55	June 2	25.46	Sept. 1	25.44	25	26.14
10	25.55	9	25.42	8	25.55	Dec. 8	26.35
17	25.48	16	25.25	16	25.71	15	26.40
24	25.63	23	25.14	23	25.75	22	26.20
31	25.50	30	25.02	30	25.84	29	26.11
Apr. 7	25.56	July 7	25.05				

41. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$  inches, depth 80 feet. Highest water level 21.53 below lsd, July 23, 1949; lowest 25.03 below lsd, Dec. 15, 1951. Records available: 1949-51.

Jan. 6	24.23	Apr. 7	24.26	July 7	23.56	Oct. 7	24.63
13	23.88	14	23.99	14	23.60	14	24.56
20	24.28	21	24.28	21	23.51	21	24.30
29	24.20	28	24.15	28	23.56	28	24.58
Feb. 3	23.88	May 5	24.20	Aug. 4	23.68	Nov. 4	24.58
10	24.05	12	24.23	11	23.85	11	24.54
17	23.92	19	24.18	18	23.94	18	24.64
24	24.04	26	24.14	25	24.00	25	24.63
Mar. 3	24.17	June 2	23.99	Sept. 1	24.07	Dec. 1	24.62
10	24.00	9	23.96	8	24.25	8	24.97
17	23.99	16	23.67	16	24.34	15	25.03
24	24.32	23	23.59	23	24.31	22	24.61
31	24.07	30	23.64	30	24.26	29	24.53

42. Roy Shoop. SW $\frac{1}{4}$  sec. 22, T. 11 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 8 inches, depth 123 feet. Highest water level 60.26 below lsd, Oct. 6, 1949; lowest 62.57 below lsd, Dec. 15, 1951. Records available: 1949-51.

Jan. 6	61.88	Apr. 7	61.76	July 7	62.02	Oct. 6	62.50
13	61.37	14	61.58	14	62.16	13	62.22
20	61.88	21	61.89	21	62.10	20	61.86
29	61.79	28	61.64	28	62.26	27	62.26
Feb. 3	61.30	May 5	61.74	Aug. 4	62.36	Nov. 3	62.01
10	61.49	12	61.89	11	62.40	10	62.26
17	61.38	19	61.89	18	62.40	17	62.55
24	61.47	26	62.06	25	62.21	24	62.12
Mar. 3	61.67	June 2	62.05	Sept. 1	62.36	Dec. 1	61.99
10	61.43	9	62.08	8	62.31	8	62.40
17	61.48	16	61.87	15	62.44	15	62.57
24	61.73	23	61.93	22	62.39	22	61.87
31	61.52	30	62.15	29	62.20	29	61.80

43. Lloyd Rader. NE cor. sec. 33, T. 10 N., R. 11 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, reported depth 78 feet, cased to 10. Highest water level 37.98 below lsd, June 30, 1951; lowest 38.88 below lsd, Dec. 30, 1951. Records available: 1949-51.

Jan. 29	38.68	Apr. 28	38.58	July 28	38.17	Oct. 28	38.75
Feb. 24	38.54	May 26	38.38	Aug. 25	38.40	Nov. 25	38.87
Mar. 31	38.56	June 30	37.98	Sept. 30	38.53	Dec. 30	38.88

44. J. W. Dees. NE $\frac{1}{4}$  sec. 36, T. 9 N., R. 13 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 10 inches, depth 215 feet, cased to 30. Highest water level 25.37 below lsd, Sept. 28, Oct. 28, 1949; lowest 27.83 below lsd, Nov. 10, 1951. Records available: 1949-51.

Jan. 6	27.03	Mar. 3	27.16	Apr. 28	27.23	June 23	27.45
13	26.80	10	26.94	May 5	27.29	30	27.49
20	27.17	17	27.10	12	27.37	July 7	27.43
29	27.10	24	27.25	19	27.35	14	27.47
Feb. 3	26.91	31	27.16	26	27.34	21	27.42
10	27.00	Apr. 7	27.25	June 2	27.36	28	27.38
17	26.97	14	27.11	9	27.50	Aug. 4	27.41
24	27.07	21	27.32	16	27.42	11	27.44



## 44--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 18	27.43	Sept. 22	27.48	Oct. 27	27.55	Dec. 1	27.53
25	27.40	29	27.44	Nov. 3	27.40	8	27.70
Sept. 1	27.36	Oct. 6	27.54	10	27.83	15	27.78
8	27.41	13	27.47	17	27.68	22	27.48
15	27.39	20	27.33	24	27.19	29	27.43

45. Pauline Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, T. 8 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 7 inches, reported depth 250 feet, cased to 165. Highest water level 25.98 below lsd, Oct. 6, 1949; lowest 27.35 below lsd, Oct. 6, 1951. Records available: 1949-51.

Jan. 6	26.65	Apr. 28	26.75	July 21	26.98	Oct. 13	27.12
13	26.56	May 5	26.80	28	26.91	27	27.27
20	26.77	12	26.80	Aug. 4	27.07	Nov. 3	26.96
29	26.76	19	26.50	11	27.26	10	27.10
Feb. 3	26.51	26	26.56	25	27.09	17	27.26
17	26.55	June 2	26.62	Sept. 1	27.06	24	26.98
24	26.51	9	26.65	8	26.99	Dec. 1	26.98
Mar. 3	26.57	16	26.62	15	30.92	8	27.19
10	26.46	23	26.78	22	27.17	15	27.32
17	26.44	30	26.91	29	27.05	22	26.93
24	26.60	July 14	27.03	Oct. 6	27.35	29	26.79
31	26.59						

## Canadian County

RFC 1. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 12 N., R. 5 W. Jetted observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 19 feet, cased to 19, screen at 17-19. Land-surface datum is 1,263.49 feet above msl. Highest water level 0.93 below lsd, Apr. 29, 1942; lowest 11.30 below lsd, Oct. 22, 1943. Records available: 1939-51.

Jan. 21	5.38	May 30	1.99	Aug. 25	5.86	Oct. 26	7.11
Feb. 22	5.07	June 26	1.36	Sept. 27	6.88	Nov. 26	6.73
Mar. 27	5.12	July 9	1.57	Oct. 7	6.95	Dec. 22	6.82
Apr. 25	5.57	30	3.10				

2. Oklahoma City Water Department observation well B. NW $\frac{1}{4}$  sec. 33, T. 13 N., R. 7 W. Jetted observation water-table well in alluvium, diameter 2 inches, depth 23 feet, cased to 23. Land-surface datum is 1,292.35 feet above msl. Highest water level 4.92 below lsd, July 9, 1951; lowest 21.99 below lsd, Dec. 27, 1947. Records available: 1939-51. Jan. 21, 9.74; Feb. 22, 10.55; Apr. 22, 8.88; July 9, 4.92; Oct. 7, 9.14.

RFC 3. U. S. Geol. Survey. SW. cor. sec. 1, T. 13 N., R. 9 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 9 feet, cased to 9, screen at 7-9. Land-surface datum is 1,358.09 feet above msl. Highest water level 0.17 below lsd, May 28, 1941; lowest 8.23 below lsd, Dec. 15, 1939. Records available: 1939-44, 1946-51. Feb. 22, 3.85; Apr. 22, 4.17; June 1, 1.74; July 9, 1.54; Sept. 15, 5.02; Oct. 7, 5.22.

RFC 4. U. S. Geol. Survey. NE. cor. sec. 17, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 12 feet, cased to 12, screen at 10-12. Land-surface datum is 1,412.32 feet above msl. Highest water level 0.44 below lsd, July 9, 1951; lowest 9.14 below lsd, Dec. 15, 1939. Records available: 1939-51. Feb. 2, 3.09; Apr. 22, 3.49; July 9, 0.44; Sept. 15, 4.19; Oct. 7, 4.67.

10. Alex Hufnagel. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, T. 13 N., R. 9 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 37 feet. Land-surface datum is 1,427.66 feet above msl. Highest water level 13.57 below lsd, May 29, 1942; lowest 26.29 below lsd, Apr. 12, 1950. Records available: 1941-51. June 1, 22.42; Sept. 15, 22.20.

13. J. R. Brannon. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 13 N., R. 9 W. Drilled unused water-table well in rocks of Permian age, diameter 6 inches, depth 51 feet. Land-surface datum is 1,380.68 feet above msl. Highest water level 2.17 below lsd, May 25, 1949; lowest 9.61 below lsd, July 22, 1943. Records available: 1941-51. June 1, 4.05; Sept. 15, 7.91.

82. Ryba Jacob. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, T. 12 N., R. 6 W. Drilled unused water-table well in rocks of Permian age, diameter 6 inches, depth 34 feet. Land-surface datum is 1,296.42 feet above msl. Highest water level 19.73 below lsd, May 14, 1946; lowest 24.85 below lsd, Nov. 5, 1941. Records available: 1941-51. May 31, 20.36; Sept. 14, 19.92.

85. W. L. Towe. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, T. 12 N., R. 5 W. Drilled unused water-table well in alluvium, diameter 7 inches, depth 66 feet, cased to 66. Land-surface datum is 1,272.58 feet above msl. Highest water level 5.87 below lsd, May 31, 1951; lowest 17.61 below lsd, Nov. 6, 1941. Records available: 1941-51. May 31, 5.87; Sept. 14, 8.75.

151. Canadian County. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T. 14 N., R. 10 W. Drilled unused water-table well in bedrock of Permian age, diameter 4 inches, depth 85 feet. Land-surface datum is 1,415.31 feet above msl. Highest water level 7.67 below lsd, June 23, 1942; lowest 13.59 below lsd, Apr. 28, 1948. Records available: 1942-50. Measurement discontinued.

G4. U. S. Geol. Survey. NE. cor. sec. 8, T. 13 N., R. 9 W. Driven observation water-table well in alluvial clay, diameter 3/4 inch, depth 19 feet, cased to 19, screen at 17-19. Land-surface datum is 1,385.0 feet above msl. Highest water level 4.68 below lsd, June 23, 1942; lowest 14.26 below lsd, Dec. 27, 1947. Records available: 1942-51. June 1, 10.57; Sept. 15, 10.87.

G6. U. S. Geol. Survey. SE. cor. sec. 8, T. 12 N., R. 5 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inch, depth 14 feet, cased to 14, screen at 12-14. Land-surface datum is 1,262.14 feet above msl. Highest water level 3.50 below lsd, Feb. 25, 1946; lowest 10.87 below lsd, Nov. 4, 1943. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	7.73	June 26	4.33	Aug. 25	6.24	Oct. 26	7.66
Mar. 27	7.21	July 9	5.17	Sept. 27	7.23	Nov. 26	7.58
Apr. 25	7.36	30	5.50	Oct. 7	7.43	Dec. 22	7.72
May 30	3.93						

G7. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 13 N., R. 7 W. Driven observation water-table well in alluvial sand, diameter 3/4 inch, depth 20 feet, cased to 20, screen at 18-20. Land-surface datum is 1,317.94 feet above msl. Highest water level 13.55 below lsd, Apr. 13, 1943; lowest 16.24 below lsd, Dec. 27, 1947. Records available: 1942-51. May 31, 14.52; Sept. 14, 14.38.

G8. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, T. 13 N., R. 7 W. Driven observation water-table well in alluvial sandy clay, diameter 3/4 inch, depth 19 feet, cased to 19, screen at 17-19. Land-surface datum is 1,314.63 feet above msl. Highest water level 12.00 below lsd, Sept. 14, 1951; lowest 15.09 below lsd, Mar. 13, 1944, May 23, 1949. Records available: 1942-51. May 31, 12.48; Sept. 14, 12.00.

G11. U. S. Geol. Survey. SW. cor. sec. 8, T. 14 N., R. 10 W. Driven observation water-table well in alluvial sand, diameter 3/4 inch, depth 12 feet, cased to 12, screen at 10-12. Land-surface datum is 1,412.90 feet above msl. Highest water level 0.75 below lsd, May 25, 1949; lowest 5.35 below lsd, Nov. 5, 1943. Records available: 1942-51. Feb. 21, 1.87; Apr. 22, 2.57; June 1, 1.51; July 9, 3.03; Sept. 15, 3.67; Oct. 7, 4.00.

G12. U. S. Geol. Survey. SW. cor. sec. 17, T. 14 N., R. 10 W. Driven observation water-table well in alluvial sand, diameter 3/4 inch, depth 13 feet, cased to 13, screen at 11-13. Land-surface datum is 1,410.60 feet above msl. Highest water level 1.72 below lsd, Oct. 2, 1942; lowest 7.73 below lsd, Aug. 19, 1946. Records available: 1942-50. Measurement discontinued.

G13. U. S. Geol. Survey. SW. cor. sec. 14, T. 14 N., R. 10 W. Drilled observation water-table well in alluvium, diameter 3/4 inch, depth 15 feet, cased to 15, screen at 13-15. Land-surface datum is 1,401.21 feet above msl. Highest water level 3.12 below lsd, June 23, 1942; lowest 8.14 below lsd, Dec. 29, 1947. Records available: 1942-51. June 1, 3.69; Sept. 15, 6.72.

G14. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 25 feet, cased to 25, screen at 23-25. Land-surface datum is 1,405.78 feet above msl. Highest water level 11.46 below lsd, June 23, 1942; lowest 17.59 below lsd, Dec. 29, 1947. Records available: 1942-51. June 1, 14.56; Sept. 15, 15.90.

G16. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 14 N., R. 9 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 20 feet, cased to 20, screen at 18-20. Land-surface datum is 1,381.81 feet above msl. Highest water level 10.50 below lsd, June 23, 1942; lowest 16.89 below lsd, Dec. 29, 1947. Records available: 1942-50. Measurement discontinued.

G17. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, T. 14 N., R. 9 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 14 feet, cased to 14, screen at 12-14. Land-surface datum is 1,385.0 feet above msl. Highest water level 7.51 below lsd, June 23, 1942; lowest 12.25 below lsd, Dec. 17, 1946. Records available: 1942-51. June 1, 9.81; Sept. 15, 10.85.

G18. U. S. Geol. Survey. NW. cor. sec. 11, T. 13 N., R. 9 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 33 feet, cased to 33, screen at 31-33. Land-surface datum is 1,378.56 feet above msl. Highest water level 15.90 below lsd, June 23, 1942; lowest 20.64 below lsd, Dec. 29, 1947. Records available: 1942-51. June 1, 17.79; Sept. 15, 18.55.

G20. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, T. 12 N., R. 6 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 25 feet, cased to 25, screen at 22-24. Land-surface datum is 1,274.70 feet above msl. Highest water level 5.16 below lsd, May 31, 1951; lowest 12.27 below lsd, Nov. 4, 1943. Records available: 1942-51. May 31, 5.16; Sept. 14, 7.85.

G24. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, T. 12 N., R. 6 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 14 feet, cased to 14, screen at 12-14. Land-surface datum is 1,285.38 feet above msl. Highest water level 2.69 below lsd, May 31, 1951; lowest 8.15 below lsd, Nov. 4, 1943. Records available: 1942-51. May 31, 2.69; Sept. 14, 6.09.

G27. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 11 feet, cased to 11, screen at 9-11. Land-surface datum is 1,392.84 feet above msl. Highest water level 0.25 below lsd, May 25, 1949; lowest 9.93 below lsd, Aug. 19, 1946. Records available: 1942-51. June 1, 2.95; Sept. 15, 7.27.

G28. U. S. Geol. Survey. SE. cor. sec. 23, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 25 feet, cased to 25, screen at 23-25. Land-surface datum is 1,335.90 feet above msl. Highest water level 15.86 below lsd, July 23, 1943; lowest 19.23 below lsd, June 17, 1948. Records available: 1942-51. Sept. 14, 17.47.

G29. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 10, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 12 feet, cased to 12, screen at 10-12. Land-surface datum is 1,339.29 feet above msl. Highest water level 1.48 below lsd, May 23, 1949; lowest 8.77 below lsd, Sept. 22, 1949. Records available: 1942-51. May 31, 1.69; Sept. 14, 6.63.

G30. U. S. Geol. Survey. SW. cor. sec. 36, T. 14 N., R. 9 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 10 feet, cased to 10, screen at 8-10. Land-surface datum is 1,363.79 feet above msl. Highest water level 4.21 below lsd, May 23, 1949; lowest 9.57 below lsd, Feb. 9, 1945. Records available: 1942-47, 1949-51. June 1, 4.78; Sept. 15, 9.03.

G32. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 8 feet, cased to 8, screen at 6-8. Land-surface datum is 1,334.31 feet above msl. Highest water level 2.77 below lsd, June 23, 1942; lowest 7.00 below lsd, Dec. 27, 1947. Records available: 1942-51. May 31, 3.79; Sept. 14, 5.99.

G36. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 12 N., R. 6 W. Drilled observation water-table well in alluvium, diameter 3/4 inch, depth 15 feet, cased to 15, screen at 13-15. Land-surface datum is 1,274.19 feet above msl. Highest water level 5.12 below lsd, May 31, 1951; lowest 11.46 below lsd, Nov. 4, 1943. Records available: 1942-51. May 31, 5.12; Sept. 14, 7.24.

G38. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, T. 12 N., R. 6 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 15 feet, cased to 15, screen at 13-15. Land-surface datum is 1,282.38 feet above msl. Highest water level 3.41 below lsd, May 31, 1951; lowest 7.90 below lsd, Oct. 9, 1948. Records available: 1942-51. May 31, 3.41; Sept. 14, 5.20. Measurement discontinued.

G41. U. S. Geol. Survey. 150 feet north of SW. cor. sec. 4, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 11 feet, cased to 11, screen at 8-11. Land-surface datum is 1,348.39 feet above msl. Highest water level 2.82 below lsd, May 31, 1951; lowest 8.32 below lsd, Aug. 20, 1946. Records available: 1942-51. May 31, 2.82; Sept. 14, 5.63. Measurement discontinued.

G44. U. S. Geol. Survey. NW. cor. sec. 28, T. 14 N., R. 10 W. Driven observation water-table well in clay, diameter 3/4 inch, depth 19 feet, cased to 19. Land-surface datum is 1,412.29 feet above msl. Highest water level 10.02 below lsd, July 28, 1942, May 25, 1949; lowest 17.11 below lsd, Aug. 19, 1946. Records available: 1942-51. June 1, 10.64; Sept. 15, 12.30.

G45. U. S. Geol. Survey. NW. cor. sec. 21, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 13 feet, cased to 13, screen at 11-13. Land-surface datum is 1,341.30 feet above msl. Highest water level 4.00 below lsd, May 23, 1949; lowest 9.64 below lsd, Dec. 27, 1947. Records available: 1942-51. May 31, 5.91; Sept. 14, 8.56.

G46. U. S. Geol. Survey. NE. cor. sec. 29, T. 13 N., R. 8 W. Driven observation water-table well in alluvial clay, diameter 3/4 inch, depth 17 feet, cased to 17, screen at 15-17. Land-surface datum is 1,345.16 feet above msl. Highest water level 12.28 below lsd, July 23, 1943; lowest 16.18 below lsd, Oct. 16, 1948. Records available: 1942-51. May 31, 12.58; Sept. 14, 13.62. Measurement discontinued.

G49. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T. 12 N., R. 7 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 27 feet, cased to 27, screen at 25-27. Land-surface datum is 1,304.39 feet above msl. Highest water level 15.68 below lsd, Sept. 14, 1951; lowest 19.16 below lsd, Nov. 4, 1943. Records available: 1942-51. May 31, 15.94; Sept. 14, 15.68.

G50. U. S. Geol. Survey. SE. cor. sec. 1, T. 12 N., R. 7 W. Driven observation water-table well in alluvium, diameter 3/4 inch, depth 27 feet, cased to 27, screen at 25-27. Land-surface datum is 1,301.04 feet above msl. Highest water level 14.30 below lsd, May 31, 1951; lowest 18.72 below lsd, Nov. 4, 1943. Records available: 1942-51. May 31, 14.30; Sept. 14, 16.14.

G52. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 12 N., R. 5 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 15 feet, cased to 15, screen at 13-15. Land-surface datum is 1,263.45 feet above msl. Highest water level 1.40 below lsd, July 9, 1951; lowest 9.86 below lsd, Nov. 24, 1947. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	4.40	May 30	1.94	Aug. 25	3.21	Oct. 26	6.28
Feb. 22	3.41	July 9	1.40	Sept. 27	5.77	Nov. 26	6.01
Mar. 27	3.98	30	2.44	Oct. 7	6.07	Dec. 22	6.11
Apr. 25	4.19						

G53. U. S. Geol. Survey. SW $\frac{1}{4}$  sec. 3, T. 10 N., R. 7 W. Driven observation water-table well in alluvial sand and gravel, diameter 1 $\frac{1}{2}$  inches, depth 12 feet, cased to 12, screen at 10-12. Highest water level 2.91 below lsd, July 29, 1950; lowest 8.85 below lsd, Oct. 29, 1948. Records available: 1946-51.

Jan. 21	6.53	Apr. 25	6.48	July 31	5.96	Oct. 26	7.66
Feb. 28	6.27	May 30	3.22	Aug. 25	6.64	Nov. 26	7.59
Mar. 28	6.25	June 26	3.67	Sept. 27	7.40	Dec. 22	7.57

#### Choctaw County

1. Rose Lawn Creamery. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T. 6 S., R. 17 E. Drilled unused artesian well in Trinity sand, diameter 8 inches, depth 282 feet. Highest water level 111.05 below lsd, Dec. 21, 1944; lowest 126.85 below lsd, Aug. 28, 1951. Records available: 1944, 1950-51.

Feb. 8	126.20	Apr. 26	123.22	Aug. 28	126.85	Dec. 2	123.01
27	124.40	May 28	123.61	Sept. 28	125.45	27	124.20
Mar. 26	123.58	July 10	122.14	Nov. 2	122.65		

#### Cimarron County

129. George Camilli. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 2, T. 2 N., R. 2 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 179 feet, cased to 179. Land-surface datum is 4,553 feet above msl. Highest water level 160.74 below lsd, May 4, 1951; lowest 167.80 below lsd, Apr. 22, 1939. Records available: 1939-51. May 4, 160.74.

156. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, T. 2 N., R. 5 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 9 feet, screen 6-8. Highest water level 4.18 below lsd, May 16, 1949; lowest 6.06 below lsd, May 24, 1950. Records available: 1946-51. May 5, 5.72.

224. Walter R. Wood. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, T. 3 N., R. 1 E. Drilled unused water-table well in Dakota sandstone, diameter 5 inches, depth 156 feet, cased to 156. Land-surface datum is 4,741 feet above msl. Highest water level 129.29 below lsd, May 4, 1951; lowest 138.24 below lsd, July 21, 1938. Records available: 1938-51. May 4, 129.29.

263. John Ohnick, Jr. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 15, T. 3 N., R. 4 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 134 feet, cased to 134. Land-surface datum is 4,245 feet above msl. Highest water level 119.04 below lsd, May 4, 1951; lowest 126.85 below lsd, Sept. 16, 1938. Records available: 1938-51. May 4, 119.04. Measurement discontinued.

275. O. A. Showalter. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, T. 3 N., R. 5 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 154 feet, cased to 154. Land-surface datum is 4,156 feet above msl. Highest water level 145.95 below lsd, Apr. 23, 1943; lowest 147.02 below lsd, May 23, 1950. Records available: 1938-51. May 5, 146.65.

276. Atchison, Topeka & Santa Fe Railroad. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, T. 3 N., R. 5 E. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 163 feet, cased to 153. Land-surface datum is 4,143 feet above msl. Highest water level 133.07 below lsd, Apr. 23, 1943; lowest 134.23 below lsd, May 5, 1951. Records available: 1938-44, 1946-51. May 5, 134.23.

313. E. J. Behrendt. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 3 N., R. 7 E. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 61 feet, perforations 41-61. Land-surface datum is 3,954 feet above msl. Highest water level 36.32 below lsd, May 5, 1951; lowest 46.96 below lsd, Jan. 23, 1941. Records available: 1938-51. May 5, 36.32.

435. B. J. Wiggins. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 4 N., R. 8 E. Drilled unused water-table well in Ogallala formation, depth 213 feet, cased to 213. Land-surface datum is 3,878 feet above msl. Highest water level 134.82 below lsd, May 5, 1951; lowest 138.08 below lsd, Nov. 23, 1939. Records available: 1938-51. May 5, 134.82.

516. State of Oklahoma. SE $\frac{1}{4}$  sec. 34, T. 5 N., R. 5 E. Drilled unused water-table well in Morrison formation, diameter 9 inches, depth 103 feet, uncased. Highest water level 5.04 below lsd, Apr. 26, 1944; lowest 28.69 below lsd, Sept. 29, 1939. Records available: 1939-51. May 5, 6.94.

610. A. S. Parker. NW $\frac{1}{4}$  sec. 21, T. 6 N., R. 5 E. Drilled unused water-table well in Morrison formation, diameter 9 inches, depth 74 feet, uncased. Highest water level 27.59 below lsd, May 11, 1945; lowest 35.14 below lsd, Apr. 2, 1941. Records available: 1938-51. May 5, 31.33.

660. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 5 N., R. 5 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 10 feet, screen at 8-10. Highest water level 4.11 below lsd, Apr. 26, 1947; lowest 6.04 below lsd, Oct. 21, 1947. Records available: 1946-51. May 5, 4.56.

#### Cleveland County

1. Mrs. Elizabeth E. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 10 N., R. 3 W. Dug stock well, diameter 18 inches, depth 24 feet. Highest water level 0.74 below lsd, May 28, 1951; lowest 14.88 below lsd, Feb. 3, 1940. Records available: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.86	Apr. 25	6.45	July 30	5.40	Oct. 27	8.44
22	8.07	30	6.38	Aug. 25	6.67	Nov. 29	8.72
Feb. 28	7.00	May 28	.74	Sept. 25	7.75	Dec. 22	9.04
Mar. 27	7.01	June 25	2.87				

4. City of Norman. Daws St. and Santa Fe Ave. in city park. Drilled unused artesian well in Garber sandstone, diameter 10 to 8 inches, depth 643 feet, cased to 300. Land-surface datum is 1,164.07 feet above msl. Highest water level 211.58 below lsd, Mar. 23, 1940; lowest 356.73 below lsd, Aug. 19, 1943, Aug. 19, 1944. Records available: 1940, 1942-51.

Jan. 8	298.40	Apr. 9	298.16	July 16	299.60	Oct. 15	311.91
15	296.41	24	298.91	23	316.42	22	310.02
22	297.12	May 1	301.06	30	309.45	29	307.96
29	295.43	7	301.33	Aug. 6	325.20	Nov. 5	303.22
Feb. 5	294.07	14	300.61	13	319.73	12	302.35
12	295.65	21	297.76	20	329.22	19	304.50
19	293.94	28	297.89	27	317.78	26	301.95
26	292.11	June 4	299.58	Sept. 3	328.99	Dec. 6	300.16
Mar. 5	291.88	11	293.75	10	324.93	10	299.84
12	293.74	18	297.58	17	318.05	17	298.16
19	294.67	25	297.73	24	315.70	26	295.29
26	295.36	July 2	298.76	Oct. 1	316.48	31	293.61
Apr. 2	294.81	9	296.54	8	314.81		

5. F. W. Goldsby. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 30, T. 9 N., R. 1 W. Drilled unused artesian well in Garber sandstone, diameter 8 to 7 inches, depth 400 feet, perforations 250-345 and 355-400. Land-surface datum is 1,174 feet above msl. Highest water level 129.33 below lsd, Dec. 6, 1941; lowest 154.40 below lsd, Nov. 30, 1944. Records available: 1940-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	h144.89	144.73	143.94	143.56	143.45	143.05	143.28	144.20	145.85	146.96	.....	147.15
2	.....	144.73	143.87	143.59	143.46	143.05	143.23	144.22	145.94	147.02	.....	147.05
3	.....	144.65	143.89	143.59	143.46	143.12	143.26	144.28	146.03	147.01	.....	147.05
4	145.02	144.53	143.89	143.50	143.46	143.17	143.29	144.34	146.09	147.17	.....	147.04
5	145.02	144.51	143.81	143.41	143.42	143.15	143.29	144.37	146.14	h47.21	.....	146.90
6	145.18	144.56	143.85	143.42	143.46	143.08	143.31	144.38	146.22	h47.26	.....	146.97
7	145.18	144.67	143.86	143.48	143.47	142.99	143.31	144.39	146.26	.....	.....	147.13
8	145.10	144.60	143.92	143.47	143.43	143.00	143.28	144.43	146.23	h47.36	.....	147.21
9	144.95	144.56	143.95	143.44	143.35	143.12	143.32	144.52	146.19	.....	h47.38	147.25
10	144.98	144.48	143.81	143.48	143.41	143.12	143.40	144.61	146.11	.....	.....	147.23
11	144.98	144.42	143.87	143.52	143.43	143.04	143.44	144.68	146.15	.....	.....	147.11
12	144.83	144.30	143.88	143.53	143.40	143.00	143.50	144.76	146.28	.....	.....	146.98
13	144.84	144.50	143.78	143.52	143.41	143.06	143.57	144.81	146.38	.....	.....	146.94
14	144.83	144.50	143.67	143.45	143.46	143.05	143.63	144.85	146.43	.....	.....	147.18
15	144.90	144.46	143.66	143.62	143.51	143.00	143.61	144.92	146.54	h47.34	.....	147.23
16	144.89	144.34	143.61	143.68	143.52	142.96	143.67	144.98	146.54	.....	h47.52	147.15
17	144.81	144.25	143.57	143.62	143.45	142.99	143.70	144.99	146.51	.....	.....	146.95
18	144.68	144.19	143.70	143.45	143.29	143.02	143.72	145.06	146.53	.....	.....	147.57
19	144.66	144.14	h43.64	143.55	143.29	142.99	143.73	145.01	146.53	.....	.....	147.43
20	144.93	144.19	.....	143.56	143.25	143.00	143.71	145.18	146.55	.....	.....	147.39
21	144.96	144.19	.....	143.59	143.19	142.98	143.74	145.28	146.61	.....	.....	147.29
22	144.87	144.15	.....	143.76	143.19	142.97	143.81	145.33	146.76	h47.47	.....	146.89
23	144.73	144.13	.....	143.69	143.20	143.01	143.87	145.36	146.77	.....	.....	147.28
24	144.75	144.09	.....	143.55	143.09	143.11	143.89	145.41	145.79	.....	.....	147.28
25	144.80	143.98	.....	143.60	143.04	143.12	143.89	145.45	146.85	.....	.....	147.29
26	144.87	143.97	h43.54	143.60	143.10	143.07	143.93	145.50	146.81	.....	.....	147.32
27	144.60	143.97	143.44	143.58	143.10	143.10	143.93	145.57	.....	.....	.....	147.27
28	144.74	143.94	143.41	143.57	143.04	143.17	143.97	145.59	.....	.....	.....	147.17
29	144.77	.....	143.51	143.52	142.97	143.19	144.03	145.68	.....	.....	h47.16	146.60
30	144.78	.....	143.51	143.42	143.01	143.21	144.11	145.74	.....	h47.44	147.22	146.54
31	144.68	.....	143.47	.....	143.04	.....	144.16	145.78	.....	.....	.....	146.74

h Tape measurement.

6. C. H. Taylor. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, T. 8 N., R. 2 W. Drilled unused artesian well in Garber sandstone, diameter 8 inches, depth 518 feet, cased to 518. Highest water level 102.87 below lsd, Jan. 2, 1943; lowest 127.52 below lsd, Oct. 28, 1944. Records available: 1943-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	114.13	Apr. 30	120.76	July 30	114.70	Oct. 30	114.43
22	114.04	May 29	112.53	Aug. 25	114.14	Nov. 29	114.50
Feb. 26	113.86	June 25	113.47	Sept. 25	114.35	Dec. 26	114.49
Mar. 27	113.72						

8. Town of Noble. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T. 8 N., R. 2 W. Drilled unused artesian well in Garber sandstone, diameter 12 to 8 inches, depth 461 feet, perforations 235-245, 360-370, and 415-455. Highest water level 165.43 below lsd, July 7, 1943; lowest 221.74 below lsd, Dec. 23, 1948. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	197.80	Mar. 27	196.83	June 25	198.26	Sept. 25	204.57
22	202.81	May 1	194.28	July 30	203.72	Oct. 30	203.84
Feb. 26	201.87	29	185.98	Aug. 25	196.67	Nov. 28	200.09

10. University of Oklahoma well 2. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 31, T. 9 N., R. 2 W. Drilled unused artesian well in Garber sandstone, diameter 10 to 6 inches, depth 650 feet, cased to 550. Highest water level 243.90 below lsd, Mar. 12, 1951; lowest 359.99 below lsd, Apr. 29, Aug. 19, 1944. Records available: 1940, 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	251.20	Mar. 5	245.80	May 7	249.58	July 2	247.94
9	247.91	12	243.90	14	248.91	9	247.54
15	251.35	19	248.15	21	246.90	16	248.33
22	251.20	26	246.22	28	247.61	23	257.17
29	248.70	Apr. 2	246.22	June 4	248.40	30	262.45
Feb. 5	248.25	9	249.60	11	247.23	Aug. 6	257.00
19	246.58	23	246.11	18	248.13	13	272.30
26	246.04	May 1	250.35	26	247.85	20	260.03

## 10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 27	258.59	Oct. 1	275.51	Nov. 5	261.09	Dec. 10	253.92
Sept. 3	260.30	8	260.05	12	254.50	17	251.97
10	261.05	15	258.94	19	254.32	26	250.79
17	269.12	22	257.73	26	254.72	31	249.55
24	261.20	29	256.65	Dec. 3	252.71		

11. Mid-Continent Petroleum Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 10 N., R. 3 W. Drilled oil field supply artesian well in Garber sandstone, diameter 8 to 7 inches, reported depth 511 feet, cased to 511. Highest water level 152.67 below lsd, Feb. 12, 1944; lowest 189.04 below lsd, Nov. 16, 1945. Records available: 1944-51.

Jan. 1	180.33	Mar. 27	180.11	May 28	180.75	Sept. 25	187.89
22	180.14	Apr. 30	180.86	June 25	180.60	Oct. 29	186.29
Feb. 26	180.17						

12. Dave Price. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 9 N., R. 3 W. Drilled unused artesian well in Garber sandstone, diameter 11 to 9 inches, depth 625 feet, cased to 468. Highest water level 143.17 below lsd, Oct. 5, 1945; lowest 164.01 below lsd, June 5, 1950. Records available: 1945-51.

Jan. 1	157.92	Apr. 30	157.10	July 30	155.72	Oct. 29	158.72
22	157.91	May 28	149.60	Aug. 25	157.20	Nov. 29	159.43
Feb. 26	157.53	June 25	156.29	Sept. 25	157.81	Dec. 22	159.81
Mar. 27	157.19						

14. U. S. Geol. Survey. NE cor. sec. 29, T. 9 N., R. 3 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 12 feet, screen at 10-12. Highest water level 1.04 below lsd, June 2, 1947; lowest 9.14 below lsd, Nov. 4, 1948. Records available: 1946-51.

Jan. 1	6.38	Apr. 30	6.55	July 30	5.61	Oct. 29	7.96
22	6.29	May 28	2.62	Aug. 25	6.38	Nov. 29	7.90
Feb. 26	5.92	June 25	4.33	Sept. 25	7.25	Dec. 22	7.93
Mar. 27	6.04						

15. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, T. 6 N., R. 1 W. Driven observation water-table well in alluvial sand, diameter 1 $\frac{1}{4}$  inches, depth 23 feet, screen at 21-23. Highest water level 2.97 below lsd, June 24, 1947; lowest 8.74 below lsd, Oct. 8, 1947, Oct. 29, 1948. Records available: 1947-51.

Jan. 22	6.46	Apr. 30	5.75	July 30	6.64	Oct. 30	7.87
Mar. 5	5.90	May 29	3.61	Aug. 25	7.69	Nov. 28	7.71
27	5.67	June 25	4.62	Sept. 25	8.21	Dec. 22	7.89

Comanche County

2. Minnie Taylor and others. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 2 N., R. 12 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 9 feet. Highest water level 5.29 below lsd, Nov. 17, 1950; lowest 10.77 below lsd, Oct. 18, 1949. Records available: 1947-51. Apr. 26, 5.43.

Custer County

1. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 12 N., R. 17 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 16 feet, cased to 16, screen at 14-16. Highest water level 6.72 below lsd, July 14, 1951; lowest 11.37 below lsd, Oct. 30, 1946. Records available: 1946-51. Feb. 20, 10.39; Mar. 20, 11.36; July 14, 6.72; Oct. 27, 9.60.

Ellis County

1. Patricia E. Robertson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 18 N., R. 24 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 47 feet, cased to 47. Highest water level 36.88 below lsd, Oct. 29, 1949; lowest 38.48 below lsd, May 17, 1949. Records available: 1946-51. Feb. 20, 37.64; July 14, 37.83; Oct. 27, 37.80.

2. Dorothy B. Shrewder. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T. 18 N., R. 24 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 52 feet, cased to 52. Highest water level 41.02 below lsd, Feb. 20, 1951; lowest 43.12 below lsd, Aug. 28, 1947. Records available: 1946-47, 1949-51. Feb. 20, 41.02.

4. J. Q. Tefertiller. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 19 N., R. 25 W. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 42 feet, cased to 42. Highest water level 24.66 below lsd, Oct. 27, 1951; lowest 28.14 below lsd, Oct. 30, 1946. Records available: 1946-51. Feb. 20, 25.22; July 14, 24.83; Oct. 27. 24.66.

6. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, T. 21 N., R. 25 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 6 feet, cased to 6, screen at 4-6. Highest water level 1.68 below lsd, May 17, 1949; lowest 4.80 below lsd, Oct. 19, 1947. Records available: 1947-51. Feb. 20, 3.86. Measurement discontinued.

7. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, T. 21 N., R. 25 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 13 feet, cased to 13, screen at 11-13. Highest water level 5.99 below lsd, July 14, 1951; lowest 8.16 below lsd, Oct. 27, 1951. Records available: 1951. Mar. 21, 7.24; July 14, 5.99; Oct. 27, 8.16.

8. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 24 N., R. 25 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 20 feet, cased to 20, screen at 18-20. Highest water level 9.30 below lsd, July 14, 1951; lowest 9.86 below lsd, Oct. 27, 1951. Records available: 1951. Mar. 21, 9.82; July 14, 9.30; Oct. 27, 9.86.

9. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 10, T. 16 N., R. 24 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 28 feet, cased to 28, screen at 26-28. Highest water level 12.87 below lsd, Mar. 21, 1951; lowest 17.49 below lsd, Oct. 27, 1951. Records available: 1951. Mar. 21, 12.87; July 14, 12.99; Oct. 27, 17.49.

#### Garfield County

1. City of Enid. NW cor. sec. 19, T. 21 N., R. 8 W. Drilled unused artesian well in rocks of Permian age, diameter 12 inches, depth 110 feet, cased to 75. Land-surface datum is 1,240.5 feet above msl. Highest water level 12.23 below lsd, June 5, 1951; lowest 16.64 below lsd, June 30, 1950. Records available: 1950-51. Jan. 29, 14.36; Feb. 28, 14.09; Mar. 26, 13.94; Apr. 26, 13.96; June 5, 12.23. Measurement discontinued.

2. City of Enid. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 21 N., R. 8 W. Drilled unused artesian and water-table well in rocks of Permian age, and terrace deposit, diameter 8 inches, depth 122 feet, cased to 20. Land-surface datum is 1,238.5 feet above msl. Highest water level 5.18 below lsd, July 10, 1951; lowest 19.43 below lsd, Sept. 27, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	9.40	Apr. 26	8.53	Aug. 8	17.23	Oct. 29	14.38
Feb. 28	9.30	June 5	6.51	Sept. 5	18.95	Dec. 6	15.45
Mar. 26	8.67	July 10	5.18	27	19.43		

3. R. Munkres. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, T. 21 N., R. 8 W. Dug stock water-table well in alluvium, diameter 36 inches, depth 11 feet. Land-surface datum is 1,207.7 feet above msl. Highest water level 2.49 below lsd, Feb. 28, 1951; lowest 6.01 below lsd, July 13, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	4.13	Apr. 26	3.86	Aug. 8	4.70	Oct. 29	4.99
Feb. 28	2.49	June 5	3.15	Sept. 5	5.37	Dec. 6	3.98
Mar. 26	3.37	July 10	2.97	27	4.91		

4. H. W. Dierksen. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 21 N., R. 8 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 13 feet. Land-surface datum is 1,215.8 feet above msl. Highest water level 1.28 below lsd, Feb. 28, 1951; lowest 5.13 below lsd, Sept. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	2.46	Apr. 26	2.38	Aug. 8	4.12	Oct. 29	4.56
Feb. 28	1.28	June 5	2.30	Sept. 5	5.13	Dec. 6	3.09
Mar. 26	2.09	July 10	2.63	27	4.85		

5. City of Enid. SW cor. sec. 19, T. 21 N., R. 8 W. Drilled unused artesian well in rocks of Permian age, diameter 12 inches, depth 180 feet, screen at 160-180. Land-surface datum is 1,242.7 feet above msl. Highest water level 8.84 below lsd, Oct. 5, 1950; lowest 14.41 below lsd, June 30, 1950. Records available: 1950-51. Jan. 29, 9.30; Feb. 28, 8.87; Mar. 26, 9.00. Measurement discontinued.

6. Dierksen. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 19, T. 21 N., R. 8 W. Dug stock water-table well in terrace deposit, diameter 24 inches, depth 22 feet. Land-surface datum is 1,233.5 feet above msl. Highest water level 8.13 below lsd, July 10, 1951; lowest 14.16 below lsd, July 13, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	12.34	Apr. 26	12.09	Aug. 8	10.44	Oct. 29	13.73
Feb. 26	12.29	June 5	10.15	Sept. 5	12.24	Dec. 6	13.24
Mar. 27	11.99	July 10	8.13	27	13.12		



7. Paul Gregory. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 21 N., R. 8 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 27 feet. Land-surface datum is 1,245.6 feet above msl. Highest water level 12.17 below lsd, Aug. 8, 1951; lowest 16.35 below lsd, July 22, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	14.91	Apr. 26	14.47	Aug. 8	12.17	Oct. 29	12.29
Feb. 28	14.72	June 5	12.93	Sept. 5	13.39	Dec. 6	12.49
Mar. 26	14.56	July 10	11.30	27	13.51		

8. City of Enid. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 66 feet, cased to 66. Highest water level 57.28 below lsd, Dec. 5, 1951; lowest 57.46 below lsd, Oct. 2, 1950, Mar. 1, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	57.41	Apr. 26	57.38	Aug. 8	57.42	Oct. 29	57.32
Mar. 1	57.46	June 4	57.42	Sept. 5	57.41	Dec. 5	57.28
27	57.45	July 10	57.40	27	57.36		

9. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 28, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 59 feet, cased to 59. Highest water level 49.10 below lsd, Mar. 7, 1950; lowest 49.41 below lsd, Dec. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	49.21	Apr. 26	49.28	Aug. 8	49.36	Oct. 29	49.25
Mar. 1	49.29	June 4	49.34	Sept. 5	49.39	Dec. 5	49.41
27	49.30	July 10	49.35	27	49.39		

10. City of Enid. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 48 feet, cased to 48. Highest water level 34.88 below lsd, Mar. 7, 1950; lowest 38.36 below lsd, Dec. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	35.10	Apr. 26	35.19	Aug. 8	35.30	Oct. 29	35.33
Mar. 1	35.20	June 4	35.24	Sept. 5	35.33	Dec. 5	38.36
27	35.21	July 10	35.29	27	35.33		

11. City of Enid. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 23 N., R. 7 W. Drilled public-supply water-table well in terrace deposit, diameter 24 inches, depth 23 feet, cased to 23. Highest water level 5.78 below lsd, July 10, 1951; lowest 8.86 below lsd, Sept. 27, 1951. Records available: 1950-51.

## 1950

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7	8.10	May 31	8.03	Sept. 4	7.14	Nov. 29	7.50
Apr. 4	8.14	June 29	7.78	Oct. 2	7.13	Dec. 28	7.47
28	8.47	Aug. 2	5.96	27	7.33		

## 1951

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.45	Apr. 26	7.03	Aug. 8	6.70	Oct. 29	7.50
Mar. 1	7.13	June 4	6.48	Sept. 5	7.49	Dec. 5	7.30
27	7.07	July 10	5.78	27	8.86		

12. City of Enid. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 60 feet, cased to 60. Highest water level 47.93 below lsd, Mar. 1, Sept. 27, 1951; lowest 48.87 below lsd, Aug. 2, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	48.28	Apr. 26	48.35	Aug. 8	48.10	Oct. 29	47.93
Mar. 1	47.93	June 4	48.48	Sept. 5	48.04	Dec. 5	47.96
27	48.60	July 10	48.30	27	47.93		

13. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 66 feet. Highest water level 52.05 below lsd, Dec. 5, 1951; lowest 53.57 below lsd, Mar. 7, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	52.78	Apr. 26	52.91	Aug. 8	52.39	Oct. 29	52.21
Mar. 1	52.98	June 4	52.87	Sept. 5	52.40	Dec. 5	52.05
27	52.79	July 10	52.61	27	52.23		

14. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 70 feet. Highest water level 54.33 below lsd, Oct. 29, 1951; lowest 55.97 below lsd, June 29, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	55.04	Apr. 26	55.12	Aug. 8	54.73	Oct. 29	54.33
Mar. 1	55.53	June 4	55.18	Sept. 5	54.52	Dec. 5	54.50
27	55.56	July 10	54.96	27	54.39		

15. City of Enid.  $NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$  sec. 26, T. 23 N., R. 7 W. Drilled observation well in terrace deposit, diameter 2 inches, depth 56 feet, cased to 56. Highest water level 35.62 below lsd, Mar. 7, 1950; lowest 36.18 below lsd, Dec. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	35.99	Apr. 26	35.81	Sept. 5	36.08	Oct. 29	36.08
Mar. 1	35.97	June 4	36.04	27	36.08	Dec. 5	36.18
27	35.97	Aug. 8	36.07				

16. City of Enid.  $NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 26, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 50 feet, cased to 50. Highest water level 33.61 below lsd, Dec. 5, 1951; lowest 34.35 below lsd, Aug. 2, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	34.15	Apr. 26	34.10	Aug. 8	34.06	Oct. 29	33.74
Mar. 1	34.14	June 4	34.19	Sept. 5	33.96	Dec. 5	33.61
27	34.14	July 10	34.14	27	33.86		

17. City of Enid.  $NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 18, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 60 feet, cased to 60. Highest water level 57.66 below lsd, Apr. 28, 1950; lowest 59.08 below lsd, Dec. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	57.91	Apr. 26	57.80	Aug. 8	58.10	Oct. 29	58.63
Mar. 1	57.97	June 4	57.95	Sept. 5	58.22	Dec. 5	59.08
27	57.85	July 10	57.97	27	58.24		

18. City of Enid.  $NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 18, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 72 feet, cased to 72. Highest water level 55.62 below lsd, Oct. 29, 1951; lowest 59.96 below lsd, Sept. 27, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	57.41	Apr. 26	59.07	Aug. 8	58.90	Oct. 29	55.62
Mar. 1	57.55	June 4	57.48	Sept. 5	59.90	Dec. 5	59.62
27	58.16	July 10	58.22	27	59.96		

19. City of Enid.  $NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 18, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 58 feet, cased to 58. Highest water level 43.58 below lsd, Mar. 7, 1950; lowest 48.32 below lsd, July 10, 1951. Records available: 1950-51. Jan. 30, 46.64; Mar. 1, 46.95; Mar. 27, 47.25; Apr. 26, 47.55; June 4, 47.98; July 10, 48.32.

#### Grady County

3. Simmons.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 5, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 8 inches, depth 22 feet. Highest water level 12.14 below lsd, May 30, 1951; lowest 15.99 below lsd, Oct. 26, 1948. Records available: 1945-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	13.60	Apr. 28	13.90	July 28	13.68	Oct. 27	15.25
Feb. 28	13.40	May 30	12.14	Aug. 24	14.62	Nov. 26	14.60
Mar. 28	13.58	June 30	12.68	Sept. 22	15.16	Dec. 26	14.44

7. E. T. and L. R. Blades.  $NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$  sec. 9, T. 4 N., R. 7 W. Drilled stock water-table well in Rush Springs sandstone, diameter 6 inches, depth 97 feet, cased to 97. Highest water level 47.10 below lsd, Nov. 26, 1951; lowest 57.74 below lsd, June 23, 1949. Records available: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	53.81	Apr. 28	53.44	July 28	52.87	Oct. 27	52.04
Feb. 28	53.38	May 30	53.53	Aug. 24	52.42	Nov. 26	47.10
Mar. 28	53.27	June 30	53.28	Sept. 22	52.09	Dec. 26	52.55

8. N. L. and O. F. Davis.  $NE\frac{1}{4}NW\frac{1}{4}$  sec. 16, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 41 feet. Highest water level 25.42 below lsd, July 30, 1946; lowest 33.10 below lsd, Apr. 30, 1950. Records available: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	29.44	June 30	27.05	Sept. 22	28.26	Nov. 26	29.99
Feb. 28	29.52	July 28	27.15	Oct. 27	29.22	Dec. 26	30.91
Mar. 28	29.65	Aug. 24	(f)				

f Dry.

11. Mamie L. Hill Estate.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 9, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 95 feet. Highest water level 1.68 below lsd, July 29, 1950; lowest 11.57 below lsd, Jan. 26, 1950. Records available: 1946-51.

## 11--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	6.14	Apr. 28	6.94	July 28	4.59	Oct. 27	8.89
Feb. 28	6.46	May 30	2.59	Aug. 24	6.33	Nov. 26	9.27
Mar. 28	6.44	June 30	3.54	Sept. 22	7.84	Dec. 26	9.77

12. James Howell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, T. 4 N., R. 8 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 72 feet. Highest water level 46.87 below lsd, Feb. 27, 1948; lowest 49.51 below lsd, Jan. 20, 1951. Records available: 1946-51.

Jan. 20	49.51	Apr. 28	48.53	July 28	46.98	Oct. 27	47.10
Feb. 28	48.34	May 30	48.27	Aug. 24	46.90	Nov. 26	47.30
Mar. 28	48.20	June 30	47.47	Sept. 22	47.05	Dec. 26	47.82

19. D. T. and Leona Hood. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 4 N., R. 8 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 32 feet, cased to 32. Highest water level 23.19 below lsd, July 28, 1951; lowest 28.49 below lsd, Dec. 30, 1949. Records available: 1946-51.

Jan. 20	26.37	Apr. 28	26.17	July 28	23.19	Oct. 27	25.73
Feb. 28	26.34	May 30	25.16	Aug. 24	24.21	Nov. 26	26.33
Mar. 28	26.12	June 30	23.32	Sept. 22	24.85	Dec. 26	26.78

24. W. W. Mobley. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 4 N., R. 7 W. Dug domestic water-table well in Rush Springs sandstone, diameter 24 inches, depth 21 feet, cased to 21. Highest water level 7.00 below lsd, May 30, 1951; lowest 18.90 below lsd, Aug. 21, 1947. Records available: 1946-51.

Jan. 20	10.70	Apr. 28	10.44	July 28	8.85	Oct. 27	12.80
Feb. 28	9.72	May 30	7.00	Aug. 24	10.49	Nov. 26	12.61
Mar. 28	10.23	June 30	7.26	Sept. 22	12.34	Dec. 26	12.94

26. G. W. Wade. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 3 N., R. 8 W. Dug and drilled domestic water-table well in Rush Springs sandstone, diameter 36 inches, depth 95 feet. Highest water level 7.17 below lsd, Dec. 25, 1946; lowest 13.57 below lsd, Nov. 23, Dec. 21, 1948. Records available: 1946-51.

Jan. 20	11.81	Apr. 28	11.75	July 28	8.29	Oct. 27	11.27
Feb. 28	11.98	May 30	8.68	Aug. 24	9.43	Nov. 26	12.00
Mar. 28	11.60	June 30	7.32	Sept. 22	10.38	Dec. 26	12.43

35. D. and Nora Stinson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, T. 3 N., R. 8 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 64 feet. Highest water level 52.27 below lsd, July 27, 1948; lowest 57.40 below lsd, Oct. 27, 1949. Records available: 1946-51.

Jan. 20	55.25	Apr. 26	55.43	July 28	54.12	Oct. 27	54.05
Feb. 28	55.00	May 30	55.11	Aug. 24	53.97	Nov. 26	54.27
Mar. 28	54.80	June 30	54.59	Sept. 22	53.92	Dec. 26	54.79

36. Henry Sweany. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 4 N., R. 8 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 181 feet. Highest water level 72.68 below lsd, Dec. 25, 1946; lowest 76.55 below lsd, Apr. 30, 1950. Records available: 1946-51.

Jan. 20	75.43	Apr. 28	70.57	July 28	73.92	Oct. 27	74.48
Feb. 28	75.24	May 30	74.68	Aug. 24	74.04	Nov. 26	74.49
Mar. 28	74.62	June 30	74.20	Sept. 22	74.28	Dec. 26	74.93

43. Q. L. Merideth. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T. 4 N., R. 8 W. Dug unused water-table well in alluvium derived from Rush Springs sandstone, diameter 36 inches, depth 11 feet. Highest water level 2.54 below lsd, May 30, 1949, Mar. 28, 1951; lowest 6.19 below lsd, Feb. 25, 1949. Records available: 1946-51.

Jan. 20	2.79	Apr. 28	2.57	July 28	3.75	Oct. 27	3.69
Feb. 28	2.62	May 30	3.82	Aug. 24	3.75	Nov. 26	3.60
Mar. 28	2.54	June 30	3.85	Sept. 22	3.71	Dec. 26	3.49

66. U. S. Geol. Survey. NW cor. sec. 33, T. 4 N., R. 8 W. Drilled observation water-table well in Rush Springs sandstone, diameter 7 inches, depth 254 feet, cased to 40. Highest water level 79.68 below lsd, Oct. 20, 1951, Nov. 12, 1951; lowest 81.56 below lsd, Mar. 29, 1950. Records available: 1948-51.

66--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.63	80.89	.....	80.80	80.88	80.68	80.32	79.97	79.84	.....	80.13	79.99
2	80.69	80.87	.....	80.80	80.92	80.72	80.26	79.96	79.84	.....	80.19	79.97
3	80.73	80.76	.....	80.80	80.88	80.72	80.23	79.94	79.84	79.74	80.01	80.08
4	80.84	80.76	.....	80.74	80.88	80.74	80.36	79.94	79.84	.....	80.02	79.95
5	80.77	80.71	.....	80.69	80.86	80.67	80.25	79.93	79.80	.....	80.11	79.90
6	80.90	80.89	.....	80.73	80.95	80.61	80.24	79.93	h79.91	h80.02	80.10	80.07
7	80.89	80.98	80.84	80.77	80.98	80.54	80.22	79.91	.....	80.09	80.12	80.19
8	80.80	80.82	80.88	80.77	80.92	80.57	80.16	79.88	h79.87	80.05	79.98	80.23
9	80.63	80.90	80.93	80.73	80.83	80.63	80.16	79.88	.....	79.95	79.99	80.28
10	80.84	80.79	80.86	80.83	80.91	80.62	80.16	79.91	.....	79.95	80.05	80.15
11	80.83	80.72	80.96	80.86	80.91	80.52	80.17	79.92	.....	79.89	79.97	80.10
12	80.67	80.80	80.96	80.84	80.89	80.52	80.17	79.92	h79.87	79.91	79.81	80.01
13	80.68	80.93	80.83	80.84	80.89	80.56	80.18	79.92	.....	79.94	79.95	79.96
14	80.72	80.90	80.81	80.74	80.92	80.52	80.16	79.90	.....	79.99	79.96	80.32
15	80.82	80.87	80.79	80.89	80.93	80.47	80.12	79.91	.....	79.92	80.16	80.36
16	80.81	80.81	80.72	80.90	80.98	80.40	80.12	.....	.....	79.89	80.25	80.12
17	80.63	80.76	80.90	80.86	80.94	80.46	80.11	79.85	.....	80.02	80.27	80.11
18	80.66	80.74	80.99	80.73	80.90	80.47	80.11	79.87	.....	80.06	80.13	80.17
19	80.65	80.70	80.92	80.83	80.94	80.45	80.04	79.87	h79.74	80.02	80.07	79.91
20	80.97	80.73	80.85	80.79	80.90	80.39	80.03	79.83	.....	79.81	80.02	80.15
21	80.97	80.77	80.87	80.90	80.86	80.39	80.01	79.97	.....	79.98	79.97	80.19
22	80.84	80.78	80.75	81.02	80.91	80.31	80.05	79.99	h79.88	80.00	80.02	80.11
23	80.84	80.82	80.93	80.95	80.93	80.38	80.06	79.96	.....	80.03	80.06	80.20
24	80.86	80.80	80.93	80.77	80.75	80.46	80.04	79.93	.....	80.03	80.06	80.12
25	80.86	80.74	80.87	80.88	80.78	80.42	80.01	79.90	.....	80.00	80.12	80.25
26	80.74	80.80	80.85	80.87	80.90	80.30	80.00	79.88	h79.69	79.99	80.17	80.33
27	80.76	80.79	80.78	80.83	80.84	80.29	79.99	79.88	.....	80.00	80.07	80.33
28	80.87	80.87	80.75	80.80	80.74	80.36	79.96	79.87	.....	79.98	80.08	79.98
29	80.90	.....	80.78	80.72	80.72	80.28	79.98	79.85	.....	79.87	80.06	79.95
30	80.88	.....	80.76	80.77	80.76	80.29	79.98	79.84	.....	80.02	80.02	79.99
31	80.87	.....	80.74	.....	80.73	.....	79.97	79.84	.....	80.06	.....	80.17

h Tape measurement.

76. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T. 7 N., R. 7 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 23 feet. Highest water level 1.00 below lsd, May 31, 1949; lowest 8.49 below lsd, Dec. 28, 1948. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	4.72	Apr. 28	5.25	July 28	2.79	Oct. 27	4.58
Feb. 28	4.48	May 30	1.50	Aug. 24	3.84	Nov. 26	4.80
Mar. 28	4.90	June 30	2.54	Sept. 22	4.59	Dec. 26	5.48

77. W. W. Mobley. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 70 feet, cased to 70. Highest water level 18.87 below lsd, June 30, 1951; lowest 24.65 below lsd, Dec. 30, 1949. Records available: 1949-51.

Jan. 20	21.91	Apr. 28	22.24	July 28	20.19	Oct. 27	23.30
Feb. 28	21.92	May 30	19.81	Aug. 24	21.71	Nov. 26	23.48
Mar. 28	21.91	June 30	18.87	Sept. 22	22.73	Dec. 26	23.77

## Greer County

2. Claude Robertson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 60 feet, cased to 6. Highest water level 22.04 below lsd, Nov. 15, 1950; lowest 25.82 below lsd, Apr. 15, 1949. Records available: 1949-51. Apr. 25, 22.64.

3. Ivan Owen. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 105 to 115 feet, cased to 36. Highest water level 23.77 below lsd, Apr. 6, 1950; lowest 24.20 below lsd, Apr. 15, 1949. Records available: 1949-50. No measurement made in 1951.

6. Earl Thomas. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, T. 4 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 155 feet, cased to 54. Highest water level 25.43 below lsd, Nov. 15, 1950; lowest 31.17 below lsd, Apr. 16, 1949. Records available: 1949-51. Apr. 25, 30.61.

7. Sid Burcham.  $\text{NE}\frac{1}{4}\text{NE}\frac{1}{4}\text{NE}\frac{1}{4}$  sec. 22, T. 5 N., R. 23 W. Drilled irrigation artesian well in bedrock of Permian age, diameter 14 inches, reported depth 135 feet, cased to 105. Highest water level 89.23 below lsd, Nov. 15, 1950; lowest 92.80 below lsd, Apr. 5, 1950. Records available: 1949-51. Apr. 25, 91.78.

11. Ivan Owen.  $\text{SW}\frac{1}{4}\text{SW}\frac{1}{4}$  sec. 16, T. 3 N., R. 23 W. Drilled observation artesian well in rocks of Permian age, diameter 15 inches. Highest water level 26.50 below lsd, Nov. 15, 1950; lowest 31.00 below lsd, Oct. 21, 1949. Records available: 1949-50. Measurement discontinued.

12. Ivan Owen.  $\text{NE}\frac{1}{4}\text{SE}\frac{1}{4}$  sec. 16, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches, reported depth 105 feet, cased to 105. Highest water level 17.81 below lsd, Nov. 15, 1950; lowest 22.63 below lsd, Apr. 6, 1950. Records available: 1950-51. Apr. 25, 20.42.

#### Harmon County

1. Ward Bros.  $\text{SW}\frac{1}{4}\text{NW}\frac{1}{4}$  sec. 5, T. 2 N., R. 26 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 149 feet, cased to 124, screen at 40-45. Land-surface datum is 1,617 feet above msl. Highest water level 20.24 below lsd, Nov. 16, 1950; lowest 24.84 below lsd, Apr. 26, 1951. Records available: 1950-51. Apr. 26, 24.84.

2. Mrs. Barbara Brown.  $\text{NW}\frac{1}{4}\text{NW}\frac{1}{4}$  sec. 1, T. 2 N., R. 27 W. Drilled irrigation artesian well, diameter 16 inches, reported depth 138 feet, cased to 80. Highest water level 30.96 below lsd, Nov. 16, 1950. Records available: 1950. No measurement made in 1951.

3. Keith.  $\text{SW}\frac{1}{4}\text{NE}\frac{1}{4}$  sec. 3, T. 2 N., R. 26 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, reported depth 102 feet. Highest water level 12.47 below lsd, Nov. 16, 1950; lowest 14.85 below lsd, Apr. 26, 1951. Records available: 1950-51. Apr. 26, 14.85.

4. J. M. Cunningham.  $\text{NW}\frac{1}{4}\text{SE}\frac{1}{4}\text{SE}\frac{1}{4}$  sec. 3, T. 2 N., R. 26 W. Drilled irrigation artesian well in terrace deposit, diameter 16 inches, reported depth 200 feet, cased to 200. Land-surface datum is 1,608.5 feet above msl. Highest water level 11.07 below lsd, Nov. 16, 1950; lowest 12.23 below lsd, Apr. 26, 1951. Records available: 1950-51. Apr. 26, 12.23.

5. H. B. Bartlett.  $\text{NW}\frac{1}{4}\text{NW}\frac{1}{4}$  sec. 6, T. 1 N., R. 26 W. Drilled irrigation water-table well, diameter 14 inches, reported depth 54 feet, screen at 40-54. Land-surface datum is 1,699 feet above msl. Highest water level 14.25 below lsd, Nov. 16, 1950; lowest 24.66 below lsd, Apr. 26, 1951. Records available: 1950-51. Apr. 26, 24.66.

6. McClendon.  $\text{NE}\frac{1}{4}\text{NE}\frac{1}{4}$  sec. 1, T. 1 N., R. 27 W. Drilled well, diameter 14 inches, reported depth 54 feet. Highest water level 14.80 below lsd, Nov. 16, 1950; lowest 23.52 below lsd, Apr. 26, 1951. Records available: 1950-51. Apr. 26, 23.52.

7. T. C. Gilbert.  $\text{SW}\frac{1}{4}\text{NW}\frac{1}{4}\text{SW}\frac{1}{4}$  sec. 31, T. 2 N., R. 26 W. Drilled irrigation well. Highest water level 31.51 below lsd, Nov. 16, 1950. Records available: 1950. No measurement made in 1951.

8. Oscar Bryant.  $\text{SW}\frac{1}{4}\text{NE}\frac{1}{4}\text{SE}\frac{1}{4}$  sec. 21, T. 2 N., R. 25 W. Drilled irrigation artesian well, reported depth 112 feet. Highest water level 20.27 below lsd, Nov. 16, 1950. Records available: 1950. No measurement made in 1951.

9. Oscar Bryant.  $\text{SW}\frac{1}{4}\text{NE}\frac{1}{4}\text{SE}\frac{1}{4}$  sec. 21, T. 2 N., R. 25 W. Drilled unused artesian well, diameter 14 inches, reported depth 112 feet. Highest water level 20.02 below lsd, Nov. 16, 1950. Records available: 1950. No measurement made in 1951.

#### Harper County

1. G. P. Johnston. Formerly E. W. Johnson.  $\text{NW}\frac{1}{4}\text{NW}\frac{1}{4}\text{NW}\frac{1}{4}$  sec. 18, T. 26 N., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 30 feet. Highest water level 4.40 below lsd, July 9, 1951; lowest 13.06 below lsd, Nov. 27, 1940. Records available: 1940-51. Feb. 20, 6.00; Apr. 23, 5.30; July 9, 4.40; Oct. 8, 6.22.

#### Jackson County

1. U. S. Geol. Survey.  $\text{SE}\frac{1}{4}\text{NW}\frac{1}{4}$  sec. 21, T. 2 N., R. 18 W. Driven observation water-table well in alluvium, diameter  $1\frac{1}{4}$  inches, depth 9 feet, cased to 7. Highest water level 5.93 below lsd, Oct. 19, 1947; lowest 7.81 below lsd, Jan. 1, 1948. Records available: 1947-51. Apr. 24, 7.43.

3. Ivan Owen.  $SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$  sec. 12, T. 2 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 90 feet. Highest water level 25.55 below lsd, Oct. 20, 1949; lowest 29.12 below lsd, June 10, 1948. Records available: 1948-51. Apr. 25, 27.89.

4. Buddy Bryant.  $SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 27, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, depth 127 feet, perforations 40-127. Highest water level 29.54 below lsd, Nov. 14, 1950; lowest 32.85 below lsd, Apr. 15, 1949. Records available: 1948-51. Apr. 25, 31.39.

5. Barney O. Yates.  $S\frac{1}{2}NW\frac{1}{4}$  sec. 35, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, depth 120 feet. Highest water level 26.27 below lsd, June 10, 1948; lowest 31.40 below lsd, Apr. 25, 1951. Records available: 1948-51. Apr. 25, 31.40.

6. Ivan Owen.  $SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$  sec. 21, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 to 14 inches, depth 100 feet, perforations 18-100. Highest water level 19.40 below lsd, Nov. 15, 1950; lowest 30.33 below lsd, Apr. 25, 1951. Records available: 1949-51. Apr. 25, 30.33.

7. Ivan Owen.  $NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$  sec. 21, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 42 feet, perforations 36-42. Highest water level 14.61 below lsd, Nov. 15, 1950; lowest 21.17 below lsd, Apr. 15, 1949. Records available: 1949-51. Apr. 25, 17.64.

8. S. L. Spraggins.  $SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 27, T. 3 N., R. 23 W. Drilled unused artesian well in rocks of Permian age, diameter 14 inches, reported depth 125 feet, cased to 118. Highest water level 29.27 below lsd, Oct. 26-27, 1950; lowest 37.73 below lsd, July 3, 1950. Records available: 1950-51.

Date		Water level	Date		Water level	Date		Water level	Date		Water level
Jan. 1	2	29.57	Jan. 30		29.87	Feb. 28		29.95	Mar. 29		30.09
	2	29.58		31	29.87		Mar. 1	29.96		30	30.08
	3	29.60		Feb. 1	29.89			2		31	30.16
	4	29.62			h29.88			3		Apr. 1	30.25
	5	29.62		2	h29.85			4			30.56
	6	29.66		3	29.86			5			31.02
	7	29.66		4	29.86			6			31.49
	8	29.65		5	29.84			7			31.94
	9	29.63		6	29.87			8			32.20
	10	29.65		7	29.87			9			32.35
	11	29.66		8	29.88			10			h32.48
	12	29.66		9	29.89			11			31.75
	13	29.66		10	29.88			12			31.99
	14	29.67		11	29.87			13			32.50
	15	29.69		12	29.87			14			32.96
	16	29.69		13	29.93			15			33.32
	17	29.66		14	29.94			16			33.52
	18	29.67		15	29.94			17			33.65
	19	29.67		16	29.92			18			33.68
	20	29.76		17	29.91			19			33.46
	21	29.77		18	29.91			20			33.49
	22	29.74		19	29.91			21			33.35
	23	29.76		20	29.94			22			32.98
	24	29.78		21	29.95			23			32.68
	25	29.78		22	29.94			24			32.49
	26	29.76		23	29.94			25			32.32
	27	29.81		24	29.94			26			32.18
	28	29.85		25	29.93			27			32.07
	29	29.87		26	29.94			28		May 1	32.07
				27	29.94					2	h31.97

h Tape measurement.

9. Spraggins.  $NW\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 27, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches, reported depth 118 feet, cased to 118. Highest water level 22.22 below lsd, Nov. 15, 1950; lowest 24.35 below lsd, Apr. 15, 1949. Records available: 1949-50. No measurement made in 1951.

10. Fred W. Tigert.  $NW\frac{1}{4}SW\frac{1}{4}$  sec. 26, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 130 feet, cased to 24. Highest water level 44.39 below lsd, Nov. 14, 1950; lowest 48.32 below lsd, Apr. 25, 1951. Records available: 1949-51. Apr. 25, 48.32.

11. E. F. Walker.  $SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 32, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 105 feet, cased to 42. Highest water level 25.54 below lsd, Nov. 15, 1950. Records available: 1950. No measurement made in 1951.

12. Alvin and Herbert Robertson.  $SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$  sec. 36, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches, reported depth 120 feet, perforations 60-120. Highest water level 39.48 below lsd, Nov. 14, 1950; lowest 45.09 below lsd, Apr. 25, 1951. Records available: 1949-51. Apr. 25, 45.09.

14. Herbert Onan.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 12, T. 2 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 90 feet, cased to 31. Highest water level 26.50 below lsd, Nov. 14, 1950; lowest 33.99 below lsd, Apr. 25, 1951. Records available: 1950-51. Apr. 25, 33.99.

15. Criswell.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 27, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches. Highest water level 19.42 below lsd, Nov. 15, 1950; lowest 24.91 below lsd, Apr. 25, 1951. Records available: 1950-51. Apr. 25, 24.91.

16. Marshall Carroll.  $SE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$  sec. 33, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 75 feet, cased to 71, perforations 50-71. Highest water level 24.14 below lsd, Nov. 15, 1950; lowest 24.83 below lsd, June 10, 1948. Records available: 1948, 1950. No measurement made in 1951.

### Kay County

1. City of Ponca City well 5.  $SE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$  sec. 26, T. 26 N., R. 2 E. Dug public-supply water-table well in alluvium, diameter 30 inches, reported depth 38 feet. Highest water level 2.30 below lsd, July 5, 1951; lowest 22.37 below lsd, July 13, 1950. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	16.64	Apr. 5	19.10	July 5	2.30	Oct. 4	11.25
11	16.85	12	19.18	12	4.26	11	11.55
18	17.04	18	19.28	19	4.32	18	11.70
25	17.12	26	19.40	26	5.48	25	12.10
Feb. 1	17.37	May 3	19.53	Aug. 2	6.57	Nov. 1	12.36
8	17.77	10	17.32	9	7.30	8	11.78
15	18.00	17	17.80	16	8.10	15	12.30
22	18.20	24	4.74	23	9.37	22	12.55
Mar. 1	18.43	31	6.83	30	9.90	29	13.07
8	18.60	June 7	7.55	Sept. 6	10.50	Dec. 6	13.21
15	18.71	14	7.17	13	9.97	13	13.35
22	18.80	21	7.85	20	11.49	20	13.50
29	18.95	28	5.42	27	10.93	27	13.72

### Kingfisher County

1. R. V. Sturgeon.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 10, T. 19 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 15 inches, depth 31 feet, cased to 31. Land-surface datum is 1,149.8 feet above msl. Highest water level 10.70 below lsd, June 5, 1951; lowest 16.86 below lsd, July 28, 1950. Records available: 1950-51.

Jan. 29	15.27	Apr. 26	14.65	Aug. 7	14.18	Oct. 29	15.54
Feb. 28	15.08	June 5	10.70	Sept. 5	15.31	Dec. 6	15.04
Mar. 26	14.82	July 9	11.17	27	15.62	31	14.77

2. John Hladik.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 3, T. 19 N., R. 8 W. Drilled unused water-table well in terrace deposit, diameter 5 inches, depth 48 feet, cased to 48. Land-surface datum is 1,227.8 feet above msl. Highest water level 17.88 below lsd, Aug. 8, 1951; lowest 21.35 below lsd, July 14, 1950. Records available: 1950-51.

Jan. 29	20.84	Apr. 26	20.58	Aug. 8	17.88	Oct. 29	18.27
Feb. 28	20.48	June 5	19.77	Sept. 4	18.22	Dec. 6	18.20
Mar. 26	20.49	July 9	18.10	27	18.58	31	18.15

3. John Goetzinger.  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 10, T. 18 N., R. 7 W. Drilled unused well in rocks of Permian age, diameter 6 inches, depth 30 feet. Land-surface datum is 1,097.1 feet above msl. Highest water level 20.85 below lsd, Sept. 3, 1950; lowest 21.20 below lsd, Dec. 31, 1951. Records available: 1950-51.

Jan. 29	21.12	Apr. 26	21.18	Aug. 7	21.05	Oct. 29	21.18
Feb. 28	21.13	June 5	21.11	Sept. 4	21.13	Dec. 6	21.17
Mar. 26	21.17	July 9	21.06	27	21.16	31	21.20

4. H. B. Stinson. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 18 N., R. 7 W. Drilled unused water-table well in terrace deposit, diameter 5 inches, depth 63 feet. Land-surface datum is 1,081.1 feet above msl. Highest water level 29.43 below lsd, Sept. 27, 1951; lowest 30.74 below lsd, July 31, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	30.10	Apr. 26	30.01	Aug. 7	29.98	Oct. 29	30.32
Feb. 28	29.94	June 5	29.89	Sept. 4	30.29	Dec. 6	30.14
Mar. 26	29.96	July 9	29.80	27	29.43	31	30.06

5. Walter Stribel. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, T. 18 N., R. 7 W. Dug unused water-table well in terrace deposit, diameter 36 inches, depth 26 feet. Land-surface datum is 1,097.4 feet above msl. Highest water level 11.83 below lsd, Aug. 7, 1951; lowest 15.15 below lsd, Dec. 31, 1951. Records available: 1950-51.

Jan. 29	12.54	Apr. 26	12.64	Aug. 7	11.83	Oct. 29	11.84
Feb. 28	12.54	June 5	12.39	Sept. 4	12.43	Dec. 6	12.64
Mar. 26	12.58	July 9	14.84	27	12.65	31	15.15

6. Donald Perigo. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 13, T. 18 N., R. 8 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 9 feet, cased to 9. Land-surface datum is 1,090.4 feet above msl. Highest water level 1.15 below lsd, Feb. 28, 1951; lowest 3.77 below lsd, Sept. 4, 1951. Records available: 1950-51.

Jan. 29	1.39	Apr. 26	1.64	Aug. 7	3.03	Oct. 29	1.80
Feb. 28	1.15	June 5	1.32	Sept. 4	3.77	Dec. 6	1.60
Mar. 26	1.36	July 9	1.61	27	3.18	31	1.51

7. L. G. Watson. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 27, T. 19 N., R. 8 W. Drilled irrigation water-table well in terrace deposit, diameter 16 inches, depth 67 feet, screen at 52-67. Land-surface datum is 1,170.3 feet above msl. Highest water level 16.02 below lsd, July 9, 1951; lowest 17.54 below lsd, July 14, 1950. Records available: 1950-51.

Jan. 29	16.34	Mar. 26	16.11	June 5	17.27	Aug. 8	17.33
Feb. 28	16.15	Apr. 26	16.18	July 9	16.02		

8. Darrell Goe. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 30, T. 19 N., R. 7 W. Drilled irrigation water-table well in terrace deposit, diameter 16 inches, depth 92 feet, cased to 92. Land-surface datum is 1,182.7 feet above msl. Highest water level 40.29 below lsd, Apr. 26, 1951; lowest 42.19 below lsd, Aug. 3, 1950. Records available: 1950-51.

Jan. 29	41.27	Apr. 26	40.29	Aug. 8	40.85	Dec. 6	40.93
Feb. 28	41.27	June 5	41.38	Sept. 27	41.00	31	40.94
Mar. 26	41.27	July 9	41.04	Oct. 29	40.87		

9. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, T. 19 N., R. 8 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$  inches, depth 65 feet, screen at 63-65. Land-surface datum is 1,193.0 feet above msl. Highest water level 18.79 below lsd, Aug. 8, 1951; lowest 22.26 below lsd, July 14, 1950. Records available: 1950-51.

Jan. 29	19.91	Apr. 26	19.23	Aug. 8	18.79	Oct. 29	19.67
Feb. 28	19.87	June 5	19.46	Sept. 4	19.23	Dec. 6	19.71
Mar. 26	19.91	July 9	18.86	27	19.64	31	19.69

10. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 19 N., R. 9 W. Driven observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$  inches, depth 16 feet, screen at 4-16. Land-surface datum is 1,162.9 feet above msl. Highest water level 7.85 below lsd, Sept. 27, 1951; lowest 10.57 below lsd, July 6, 1950. Records available: 1950-51.

Jan. 29	9.92	Apr. 26	9.87	Aug. 8	8.96	Oct. 29	9.24
Feb. 28	9.88	June 5	8.63	Sept. 5	10.22	Dec. 6	9.15
Mar. 26	9.93	July 9	8.59	27	7.85	31	9.16

#### Kiowa County

2. Edith L. Wright. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 13, T. 2 N., R. 17 W. Dug unused water-table well in Hennessey shale, depth 42 feet. Highest water level 34.66 below lsd, Apr. 24, 1951; lowest 39.58 below lsd, Oct. 19, 1947. Records available: 1947-51. Apr. 24, 34.66.

#### McClain County

3. Grace T. Olsen and others. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T. 8 N., R. 4 W. Drilled unused water-table well in Duncan sandstone of Gould, diameter 6 inches, depth 23 feet. Highest water level 13.91 below lsd, Aug. 23, 1949; lowest 16.39 below lsd, Dec. 26, 1951. Records available: 1948-51. Jan. 20, 15.31; Feb. 28, 14.97; Mar. 28, 14.68; Nov. 27, 15.64; Dec. 26, 16.39.



McCurtain County

1. W. M. George. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, T. 7 S., R. 24 E. Drilled unused artesian well in sand of Trinity group, diameter 6 inches, depth 142 feet. Highest water level 95.66 below lsd, May 23, 1950; lowest 98.57 below lsd, Dec. 12, 1949. Records available: 1949-51. Apr. 27, 96.75; May 28, 97.10; July 13, 95.75; Sept. 29, 97.94; Nov. 3, 97.96; Dec. 3, 97.71; Dec. 28, 97.44.

3. Dillard. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, T. 8 S., R. 25 E. Dug unused water-table well in Woodbine formation, diameter 36 inches, depth 17 feet. Highest water level 2.23 below lsd, Feb. 20, 1950; lowest 10.42 below lsd, Aug. 29, 1951. Records available: 1949-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	5.71	Apr. 27	6.01	July 13	6.18	Nov. 3	8.44
Mar. 1	4.81	May 24	6.35	Aug. 29	10.42	Dec. 3	8.52
28	6.10	27	6.35	Sept. 29	9.32	Dec. 28	5.93

4. Lynch. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 34, T. 7 S., R. 25 E. Dug unused water-table well in Woodbine formation, diameter 32 inches, depth 16 feet. Land-surface datum is 414.2 feet above msl. Highest water level 3.46 below lsd, Mar. 1, 1951; lowest 13.24 below lsd, Sept. 12, 1949. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	7.09	Apr. 27	6.62	Aug. 29	11.02	Dec. 3	10.21
Mar. 1	3.46	May 27	7.68	Sept. 29	12.01	28	7.35
28	5.96	July 13	5.49	Nov. 3	9.94		

5. O. L. Hurn. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 8 S., R. 23 E. Drilled unused artesian well in sand of Trinity group, diameter 6 inches, depth 272 feet, cased to 40. Land-surface datum is 451.3 feet above msl. Highest water level 1.21 below lsd, Feb. 1, 1950; lowest 63.80 below lsd, Sept. 29, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	58.23	Apr. 27	53.35	Aug. 29	62.73	Dec. 4	61.26
Mar. 1	3.70	May 27	58.80	Sept. 29	63.80	28	59.06
28	52.70	July 13	60.77	Nov. 3	62.48		

6. Clarence Davis. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 7 S., R. 24 E. Drilled unused artesian well in sand of Trinity group, diameter 6 inches, depth 183 feet. Land-surface datum is 451.3 feet above msl. Highest water level 70.36 below lsd, Oct. 26, 1950; lowest 82.86 below lsd, Jan. 29, 1950. Records available: 1950-51. Jan. 22, 70.85. Measurement discontinued.

7. W. C. Westbrook. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 7 S., R. 24 E. Dug stock water-table well in sand of Trinity group, diameter 38 inches, depth 19 feet, cased to 12. Land-surface datum is 377.6 feet above msl. Highest water level 3.93 below lsd, Feb. 6, 1950; lowest 13.21 below lsd, Sept. 29, 1951. Records available: 1950-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	7.58	Apr. 27	10.32	Aug. 30	12.89	Dec. 4	8.56
Mar. 1	4.85	May 27	10.25	Sept. 29	13.21	28	7.33
28	9.44	July 13	4.09	Nov. 3	9.33		

8. Stewart. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, T. 7 S., R. 24 E. Dug unused water-table well in sand of Trinity group, size 34 by 31 inches, depth 15 feet. Land-surface datum is 419.5 feet above msl. Highest water level 1.12 below lsd, Feb. 6, 1950; lowest 7.44 below lsd, July 20, 1950. Records available: 1950-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	4.08	Apr. 27	5.08	Aug. 30	7.09	Dec. 4	2.70
Mar. 1	2.07	May 27	6.06	Sept. 29	7.14	28	3.42
28	4.68	July 13	3.78	Nov. 3	3.18		

9. Luise Westly. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 6 S., R. 23 E. Dug unused water-table well in sand of Trinity group, size 30 by 30 inches, depth 25 feet. Land-surface datum is 382.1 feet above msl. Highest water level 10.67 below lsd, Feb. 6, 1950; lowest 18.97 below lsd, Sept. 29, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	17.73	Apr. 27	14.62	Aug. 29	18.07	Dec. 4	16.40
Mar. 1	13.70	May 27	16.11	Sept. 29	18.97	27	18.53
28	15.57	July 13	13.62	Nov. 3	18.41		

10. Murdock. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 7 S., R. 24 E. Dug unused water-table well in sand of Trinity group, size 24 by 24 inches, depth 19 feet, cased to 4. Land-surface datum is 372.17 feet above msl. Highest water level 6.61 below lsd, Feb. 6, 1950; lowest 14.02 below lsd, Sept. 29, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	9.68	Apr. 27	10.61	Aug. 29	13.66	Dec. 3	12.75
Mar. 1	8.62	May 27	12.06	Sept. 29	14.02	27	11.21
28	11.18	July 13	10.54	Nov. 3	13.07		

11. Brantly. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 27, T. 6 S., R. 25 E. Dug unused water-table well in sand of Trinity group, size 5 1/3 by 5 1/3 feet, depth 26 feet, cased to 3. Land-surface datum is 440.45 feet above msl. Highest water level 2.78 below lsd, Feb. 6, 1950; lowest 18.34 below lsd, Sept. 29, 1951. Records available: 1950-51.

Jan. 22	7.15	Apr. 27	10.29	Aug. 29	14.99	Dec. 3	9.75
Mar. 1	3.85	May 27	11.60	Sept. 29	18.34	27	8.94
28	11.09	July 13	6.70	Nov. 3	6.73		

12. McCain. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 7 S., R. 23 E. Dug unused water-table well in sand of Trinity group, size 56 by 41 inches, depth 26 feet. Land-surface datum is 392.4 feet above msl. Highest water level 3.12 below lsd, Feb. 6, 1950; lowest 9.82 below lsd, Sept. 29, 1951. Records available: 1950-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	3.92	Apr. 27	3.90	Aug. 30	9.58	Dec. 4	6.03
Mar. 1	3.60	May 27	6.85	Sept. 29	9.82	27	4.34
28	5.80	July 13	5.79	Nov. 3	6.45		

13. J. W. Fisher. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, T. 7 S., R. 24 E. Dug unused water-table well in sand of Trinity group, size 35 by 35 inches, depth 40 feet. Land-surface datum is 411.8 feet above msl. Highest water level 20.85 below lsd, Mar. 24, 1950; lowest 25.57 below lsd, Nov. 3, 1951. Records available: 1950-51.

Jan. 22	25.23	Apr. 27	23.63	Aug. 30	23.69	Dec. 3	24.64
Mar. 1	21.90	May 27	24.50	Sept. 29	24.78	28	25.44
28	23.10	July 13	21.37	Nov. 3	25.57		

14. Charley Bogart. Sec. 36, T. 7 S., R. 25 E. Dug unused water-table well in Woodbine formation, size 4 1/2 by 4 2/3 feet, depth 50 feet. Land-surface datum is 373.9 feet above msl. Highest water level 3.08 below lsd, Mar. 1, 1951; lowest 7.67 below lsd, Sept. 29, 1951. Records available: 1950-51. Measurement discontinued.

Jan. 22	3.36	Apr. 27	4.19	Aug. 29	6.65	Dec. 3	7.15
Mar. 1	3.08	May 27	4.89	Sept. 29	7.67	28	3.30
28	4.52	July 13	3.39	Nov. 3	7.28		

15. H. L. Latimer. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T. 8 S., R. 24 E. Dug unused water-table well in alluvium, size 30 by 30 inches, depth 19 feet, cased to 4. Land-surface datum is 351.5 feet above msl. Highest water level 1.88 below lsd, Feb. 6, 1950; lowest 7.09 below lsd, Aug. 29, 1951. Records available: 1950-51.

Jan. 22	3.10	Apr. 27	3.92	Aug. 29	7.09	Dec. 3	3.03
Mar. 1	1.93	May 27	4.81	Sept. 29	4.67	28	3.42
28	3.47	July 13	3.05	Nov. 3	3.07		

16. J. D. Billingsley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 8 S., R. 24 E. Dug unused water-table well in Woodbine formation, size 5 3/4 by 5 3/4 feet, depth 35 feet, cased to 5. Land-surface datum is 467.1 feet above msl. Highest water level 3.31 below lsd, Feb. 7, 1950; lowest 10.17 below lsd, Nov. 3, 1951. Records available: 1950-51. Measurement discontinued.

Jan. 22	5.44	Apr. 27	8.13	Aug. 29	10.14	Dec. 3	9.03
Mar. 1	4.63	May 27	8.73	Sept. 29	10.04	28	5.16
28	6.35	July 13	4.88	Nov. 3	10.17		

17. L. H. Pollard. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 9 S., R. 25 E. Dug domestic water-table well in terrace alluvium, diameter 21 inches, depth 38 feet, cased to 38. Land-surface datum is 425.57 feet above msl. Highest water level 29.33 below lsd, Mar. 28, 1951; lowest 30.16 below lsd, Dec. 19, 1950. Records available: 1950-51. Jan. 22, 30.06; Mar. 1, 29.81; Mar. 28, 29.33; Apr. 27, 29.92; May 27, 30.08. Measurement discontinued.

18. Lone Star Grocery Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 7 S., R. 23 E. Dug unused water-table well in Woodbine formation, diameter 20 inches, depth 19 feet, cased to 2. Land-surface datum is 481.01 feet below msl. Highest water level 0.06 below lsd, Dec. 28, 1951; lowest 5.67 below lsd, Aug. 29, 1951. Records available: 1950-51.

Jan. 22	0.36	Apr. 27	0.63	Aug. 29	5.67	Dec. 4	0.08
Mar. 1	.06	May 28	2.26	Sept. 29	4.74	Dec. 28	.06
28	.33	July 13	1.72	Nov. 3	1.67		

19. Maud Jackson. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T. 7 S., R. 23 E. Dug unused water-table well in Woodbine formation, size 32 by 32 inches, depth 19 feet, cased to 5. Land-surface datum is 450.52 feet above msl. Highest water level 1.87 below lsd, Feb. 10, 1950; lowest 10.54 below lsd, Aug. 29, 1951. Records available: 1950-51.

Jan. 22	2.91	Apr. 27	3.33	Aug. 29	10.54	Dec. 4	3.09
Mar. 1	1.88	May 28	4.57	Sept. 29	10.47	28	3.00
28	3.90	July 13	3.78	Nov. 3	3.45		

20. Margaret H. Hubanks. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 7 S., R. 23 E. Dug unused water-table well in Woodbine formation, diameter 23 inches, depth 15 feet, cased to 12. Land-surface datum is 472.4 feet above msl. Highest water level 1.45 below lsd, Mar. 1, 1951; lowest 7.78 below lsd, Sept. 29, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	1.93	Apr. 27	2.48	Aug. 29	7.07	Dec. 4	3.20
Mar. 1	1.45	May 27	4.15	Sept. 29	7.78	28	2.10
28	3.40	July 13	4.55	Nov. 3	3.79		

21. John Derryberry, Jr. NE $\frac{1}{4}$  sec. 14, T. 8 S., R. 23 E. Dug unused water-table well in Woodbine formation, diameter 30 inches, depth 41 feet, cased to 5. Land-surface datum is 429.9 feet above msl. Highest water level 2.59 below lsd, Mar. 1, 1951; lowest 7.33 below lsd, Aug. 29, 1951. Records available: 1950-51.

Jan. 22	2.80	Apr. 27	4.40	Aug. 29	7.33	Dec. 4	3.48
Mar. 1	2.59	May 28	4.65	Sept. 29	5.03	28	2.81
28	3.52	July 13	3.33	Nov. 3	3.08		

22. Oren C. Hicks. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, T. 8 S., R. 23 E. Drilled unused water-table well in Woodbine formation, diameter 6 inches, depth 28 feet, cased to 25. Land-surface datum is 450.9 feet above msl. Highest water level 0.21 below lsd, Mar. 1, 1951; lowest 3.85 below lsd, Aug. 29, 1951. Records available: 1950-51.

Jan. 22	0.62	Apr. 27	0.46	Aug. 29	3.85	Dec. 4	0.51
Mar. 1	.21	May 28	2.28	Sept. 29	2.07	28	.31
28	.92	July 13	1.82	Nov. 3	.52		

23. Odel J. Parish. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T. 7 S., R. 22 E. Dug unused water-table well in Woodbine formation, size 21 by 21 inches, depth 41 feet. Land-surface datum is 454.68 feet above msl. Highest water level 3.30 below lsd, Mar. 1, 1951; lowest 10.66 below lsd, Nov. 3, 1951. Records available: 1950-51.

Jan. 22	8.97	Apr. 27	5.15	Aug. 29	8.70	Dec. 4	8.66
Mar. 1	3.30	May 28	5.88	Sept. 29	9.81	28	7.81
28	4.45	July 13	4.40	Nov. 3	10.66		

24. Pat Baxter. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, T. 8 S., R. 25 E. Drilled unused water-table well in Woodbine formation, diameter 5 inches, depth 22 feet, cased to 22. Land-surface datum is 404 feet above msl. Highest water level 2.58 below lsd, Mar. 1, 1951; lowest 7.18 below lsd, Aug. 29, 1951. Records available: 1950-51. Measurement discontinued.

Jan. 22	3.34	Apr. 27	3.44	Aug. 29	7.18	Dec. 3	6.87
Mar. 1	2.58	May 27	5.28	Sept. 29	7.12	28	3.72
28	4.32	July 13	4.67	Nov. 3	7.04		

25. H. L. Spencer. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 8 S., R. 27 E. Dug unused water-table well in Tokio formation, diameter 24 inches, depth 18 feet, cased to 18. Highest water level 1.40 below lsd, May 22, 1950; lowest 5.48 below lsd, Aug. 29, 1951. Records available: 1950-51.

Jan. 22	1.69	Apr. 27	1.94	Aug. 29	5.48	Dec. 3	4.05
Mar. 1	1.26	May 27	3.19	Sept. 29	5.15	28	2.33
28	2.87	July 13	2.75	Nov. 3	3.99		

26. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 9 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 16 feet, cased to 16. Land-surface datum is 346.68 feet above msl. Highest water level 6.53 below lsd, Apr. 27, 1951; lowest 10.43 below lsd, Nov. 3, 1951. Records available: 1950-51.

Jan. 22	8.73	Apr. 27	6.53	Aug. 29	9.80	Dec. 3	10.17
Mar. 1	6.54	May 28	6.55	Sept. 29	10.19	28	10.14
28	9.00	July 13	6.76	Nov. 3	10.43		

27. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, T. 9 S., R. 25 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 18 feet, cased to 18. Land-surface datum is 338.64 feet above msl. Highest water level 6.62 below lsd, Mar. 1, 1951; lowest 12.65 below lsd, Sept. 29, Nov. 3, 1951. Records available: 1950-51.

Jan. 22	9.50	Apr. 27	8.21	Aug. 29	12.00	Dec. 3	12.37
Mar. 1	6.62	May 28	8.44	Sept. 29	12.65	28	11.91
28	8.05	July 13	8.07	Nov. 3	12.65		

28. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, T. 9 S., R. 25 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 22 feet, cased to 22. Land-surface datum is 338.34 feet above msl. Highest water level 14.40 below lsd, Dec. 3, 1951; lowest 19.95 below lsd, May 28, 1951. Records available: 1950-51.

Jan. 22	19.05	Apr. 27	19.33	Aug. 29	19.02	Dec. 3	14.40
Mar. 1	19.05	May 28	19.95	Sept. 29	19.05	28	18.93
28	19.40	July 13	18.88	Nov. 3	19.03		

29. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 10 S., R. 25 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 15 feet, cased to 15. Land-surface datum is 331.78 feet above msl. Highest water level 5.55 below lsd, Mar. 1, 1951; lowest 11.87 below lsd, Nov. 3, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	9.27	Apr. 27	8.60	Aug. 29	10.36	Dec. 3	11.56
Mar. 1	5.55	May 28	9.30	Sept. 29	10.99	28	11.64
28	9.45	July 13	7.45	Nov. 3	11.87		

32. U. S. Geol. Survey. NE.cor. sec. 22, T. 7 S., R. 21 E. Drilled observation artesian well in sand of Trinity group, diameter 6 inches, depth 322 feet, cased to 308. Highest water level 13.91 below lsd, Oct. 3, 1951; lowest 14.70 below lsd, Aug. 12-14, 1951. Records available: 1951.

Daily lowest water level from recorder graph

July 17	h14.36	Sept. 11	h14.07	Oct. 24	14.46	Nov. 29	14.33
24	h14.50	18	h14.08	25	14.46	30	14.32
28	h14.50	25	h14.12	26	14.46	Dec. 1	14.29
31	h14.58	29	h14.14	27	14.43	2	14.24
Aug. 1	14.59	30	14.13	28	14.35	3	14.17
2	14.59	Oct. 1	14.08	29	14.33	4	14.20
3	14.60	2	14.02	30	h14.22	5	14.11
4	14.61	3	13.94	Nov. 2	h14.30	6	14.14
5	14.66	4	14.05	3	h14.24	7	14.29
6	14.66	5	14.10	4	14.22	8	h14.27
7	14.64	6	14.19	5	14.16	15	h14.43
8	14.67	7	14.26	6	14.27	16	14.49
9	14.66	8	14.30	7	14.30	17	14.42
10	14.65	9	14.28	8	14.31	18	14.30
11	14.68	10	14.26	9	14.28	19	14.28
12	14.70	11	14.24	10	14.27	20	14.19
13	14.70	12	14.25	11	14.27	21	14.33
14	14.70	13	14.26	12	14.19	22	14.37
15	14.69	14	14.33	13	14.07	23	14.35
16	14.67	15	14.35	14	14.13	24	14.36
17	14.58	16	14.37	15	14.19	25	14.36
18	14.47	17	14.40	16	14.39	26	14.53
19	14.45	18	14.45	17	h14.46	27	14.57
20	14.45	19	14.48	24	h14.28	28	14.52
21	h14.39	20	14.45	25	14.30	29	14.32
28	h14.20	21	14.35	26	14.34	30	14.23
29	h14.15	22	14.36	27	14.34	31	14.25
Sept. 4	h14.18	23	14.41	28	14.32		

h Tape measurement.

#### Major County

2. Ned Woods. SE. cor. sec. 20, T. 21 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 50 feet, cased to 50. Land-surface datum is 1,234.6 feet above msl. Highest water level 16.97 below lsd, Dec. 5, 1951; lowest 20.58 below lsd, July 22, 1950. Records available: 1950-51.

Jan. 29	20.13	Apr. 26	20.17	Aug. 8	17.12	Oct. 30	17.14
Feb. 28	20.08	June 5	19.13	Sept. 5	17.10	Dec. 5	16.97
Mar. 26	20.01	July 10	17.35	27	17.14		

3. George Suit. NE. cor. sec. 4, T. 20 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 60 feet, cased to 60. Land-surface datum is 1,225.7 feet above msl. Highest water level 22.25 below lsd, Dec. 19, 1951; lowest 24.50 below lsd, July 17, 1950. Records available: 1950-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.21	24.34	24.25	24.25	24.21	23.76	23.25	22.68	.....	22.51	22.58	22.43
2	24.23	h24.23	24.16	24.26	24.24	23.74	23.20	22.67	.....	22.45	22.59	22.40
3	24.25	24.21	24.26	24.26	24.23	23.73	23.18	22.70	.....	22.48	22.55	.....
4	24.30	24.24	24.23	24.20	24.23	23.72	23.25	22.69	.....	22.60	22.54	22.41
5	24.30	24.18	24.18	24.17	24.19	23.70	23.12	22.66	.....	h22.51	22.56	22.38

## 3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	24.33	24.32	24.26	24.19	24.29	23.66	23.09	22.64	.....	.....	22.53	22.51
7	24.33	24.36	24.26	24.22	24.27	23.66	23.04	22.65	h22.52	.....	22.55	22.56
8	24.29	24.29	24.31	24.20	24.20	23.72	22.99	22.67	22.58	.....	22.47	22.57
9	24.18	24.32	24.31	24.18	24.20	23.72	22.99	22.69	22.54	.....	22.49	22.59
10	24.30	24.23	24.26	24.26	24.24	23.71	23.01	22.73	22.55	.....	22.51	22.52
11	24.27	24.18	24.32	24.24	24.25	23.64	22.95	.....	22.57	h22.50	22.48	22.50
12	24.22	.....	24.31	24.22	24.20	23.63	22.96	.....	22.58	22.55	22.40	22.45
13	24.24	.....	24.22	24.21	24.22	23.64	22.95	.....	22.58	22.62	22.50	22.44
14	24.22	.....	24.22	24.22	24.24	23.62	22.92	h22.56	22.58	22.58	22.50	22.60
15	24.28	.....	24.22	24.27	24.26	23.62	22.86	22.62	22.60	22.53	22.59	22.61
16	24.24	h24.17	24.14	24.30	24.25	23.57	22.87	22.61	22.58	22.58	22.63	22.48
17	24.17	24.18	24.29	24.21	24.21	23.59	22.86	22.65	22.52	22.60	22.65	22.48
18	24.19	24.16	24.31	24.21	24.21	23.62	22.84	22.61	22.52	22.61	22.56	22.50
19	24.19	24.20	24.28	24.24	24.22	23.64	22.84	22.58	22.48	22.60	22.51	22.36
20	24.38	24.26	24.29	24.19	24.18	23.68	22.83	22.58	22.49	22.46	22.48	22.46
21	24.38	24.26	24.28	24.28	24.24	23.57	22.79	22.61	22.58	22.55	22.44	22.48
22	24.23	24.22	24.17	24.34	24.18	23.58	22.83	22.60	22.56	22.60	22.50	22.46
23	24.29	24.25	24.31	24.27	24.17	23.52	22.82	22.57	22.51	22.56	22.51	22.53
24	24.30	24.22	24.30	24.16	24.03	23.56	22.77	22.54	22.53	22.55	22.51	22.49
25	24.30	24.16	24.23	24.25	23.99	23.47	22.73	22.55	22.53	22.53	22.51	22.54
26	h24.11	24.23	24.21	24.25	23.96	23.39	22.73	22.55	22.52	22.55	.....	22.59
27	.....	24.20	24.15	24.25	23.92	23.34	22.73	22.53	22.62	22.55	.....	22.58
28	.....	24.25	24.24	24.20	23.84	23.37	22.73	22.56	22.61	22.52	.....	22.40
29	.....	.....	24.24	24.14	23.76	23.32	22.72	22.56	22.52	22.47	.....	22.40
30	h24.26	.....	24.22	24.21	23.76	23.29	22.71	22.57	22.52	22.56	h22.42	22.41
31	24.33	.....	24.21	.....	23.76	.....	22.71	h22.52	.....	22.55	.....	22.55

## h Tape measurement.

4. Mrs. N. A. Morris. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 21 N., R. 10 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 40 feet, cased to 40. Land-surface datum is 1,213.6 feet above msl. Highest water level 19.37 below lsd, Sept. 5, 1951; lowest 21.46 below lsd, July 22, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	20.95	Apr. 27	20.97	Aug. 8	19.45	Oct. 30	19.49
Mar. 1	20.95	June 4	20.80	Sept. 5	19.37	Dec. 5	19.43
26	20.96	July 11	19.87	28	19.48		

5. U. S. Geol. Survey. NW. cor. sec. 28, T. 20 N., R. 16 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 17 feet, cased to 17. Highest water level 9.49 below lsd, July 9, 1951; lowest 13.25 below lsd, Oct. 8, 1951. Records available: 1951. Mar. 19, 10.64; Apr. 23, 10.92; July 9, 9.49; Oct. 8, 13.25.

6. Victor I. Cooper. SW. cor. sec. 5, T. 20 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 53 feet, cased to 53. Land-surface datum is 1,174.3 feet above msl. Highest water level 4.16 below lsd, July 11, 1951; lowest 8.83 below lsd, July 13, 1950. Records available: 1950-51.

Jan. 15	7.47	Mar. 27	7.00	July 11	4.16	Sept. 28	6.37
30	7.54	Apr. 27	7.06	Aug. 8	5.31	Oct. 30	6.67
Mar. 1	7.10	June 5	4.29	Sept. 5	6.03	Dec. 5	6.19

7. Ira Fyffe. SE. cor. sec. 10, T. 21 N., R. 9 W. Drilled unused well in rocks of Permian age and terrace deposit, diameter 4 inches, depth 71 feet. Land-surface datum is 1,314.4 feet above msl. Highest water level 18.04 below lsd, Aug. 7, 1951; lowest 25.25 below lsd, July 22, 1950. Records available: 1950-51.

Jan. 29	21.35	Mar. 26	21.83	June 5	20.57	Aug. 7	18.04
Feb. 28	21.54	Apr. 26	22.61	July 10	18.58	Sept. 5	18.58

8. C. E. Stull. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, T. 21 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 15 feet, cased to 15. Land-surface datum is 1,229.1 feet above msl. Highest water level 7.14 below lsd, June 5, 1951; lowest 12.04 below lsd, July 28, 1950. Records available: 1950-51.

Jan. 29	9.55	Apr. 26	9.04	Aug. 8	8.17	Oct. 29	9.25
Feb. 28	9.13	June 5	7.14	Sept. 5	9.34	Dec. 6	8.53
Mar. 26	8.95	July 10	8.90	27	9.20		

9. City of Enid. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 21 N., R. 9 W. Drilled observation artesian well in rocks of Permian age, diameter 2 inches, depth 178 feet, cased to 178. Land-surface datum is 1,272.7 feet above msl. Highest water level 31.59 below lsd, Apr. 6, 1950; lowest 38.02 below lsd, Mar. 26, 1951. Records available: 1950-51. Jan. 29, 37.61; Feb. 28, 37.81; Mar. 26, 38.02. Measurement discontinued.

10. W. D. Fyffe. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 13, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 2 inches, depth 53 feet. Land-surface datum is 1,274.5 feet above msl. Highest water level 31.44 below lsd, Dec. 6, 1951; lowest 34.68 below lsd, Apr. 7, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	33.61	Apr. 26	33.35	Aug. 7	32.16	Oct. 29	31.61
Feb. 28	33.49	June 5	33.02	Sept. 5	31.92	Dec. 6	31.44
Mar. 26	33.45	July 10	32.34	27	31.82		

11. Mrs. Bessie Turner. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T. 21 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 3 inches, depth 24 feet. Land-surface datum is 1,269.5 feet above msl. Highest water level 13.87 below lsd, Aug. 8, 1951; lowest 19.44 below lsd, July 22, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	18.74	Apr. 26	19.28	Aug. 8	13.87	Oct. 29	14.36
Feb. 28	18.92	June 5	16.69	Sept. 5	14.05	Dec. 6	14.34
Mar. 26	19.07	July 10	14.98	27	14.21		

12. J. A. Pierce. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 31, T. 21 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 19 feet. Land-surface datum is 1,185.9 feet above msl. Highest water level 2.26 below lsd, July 11, 1951; lowest 6.20 below lsd, July 22, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	5.20	Apr. 27	4.64	Aug. 7	4.30	Oct. 30	5.40
Mar. 1	4.61	June 5	2.91	Sept. 5	5.42	Dec. 5	4.55
27	4.52	July 11	2.26	27	5.62		

13. Detrick. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 4 inches, depth 40 feet. Land-surface datum is 1,201.1 feet above msl. Highest water level 31.90 below lsd, July 11, 1951; lowest dry, Sept. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	33.70	Apr. 26	33.02	Aug. 8	32.38	Oct. 30	37.35
Feb. 28	32.34	June 5	32.56	Sept. 5	(f)	Dec. 5	35.04
Mar. 26	32.69	July 11	31.90	27	37.91		

f Dry.

14. George Patten. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 13, T. 20 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 6 inches, depth 34 feet. Land-surface datum is 1,249.4 feet above msl. Highest water level 20.44 below lsd, Dec. 31, 1951; lowest 23.78 below lsd, July 28 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	23.46	Apr. 26	23.54	July 10	21.79	Sept. 5	20.81
Feb. 28	23.44	June 5	22.97	Aug. 8	21.03	Dec. 31	20.44
Mar. 26	23.53						

15. Hallie Bowles. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, T. 20 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 32 inches, depth 19 feet. Land-surface datum is 1,229.6 feet above msl. Highest water level 13.36 below lsd, Sept. 3, 20, 1950; lowest 13.67 below lsd, Mar. 26, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	13.62	Apr. 26	13.67	Aug. 8	13.42	Oct. 29	13.40
Feb. 28	13.65	June 5	13.53	Sept. 5	13.41	Dec. 6	13.46
Mar. 26	13.67	July 10	13.43	27	13.38	31	13.55

16. L. M. Sturgeon. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T. 20 N., R. 9 W. Driven unused water-table well in terrace deposit, diameter 1 $\frac{1}{2}$  inches, depth 51 feet, cased to 51. Land-surface datum is 1,214.1 feet above msl. Highest water level 16.09 below lsd, June 5, 1951; lowest 24.92 below lsd, July 13, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	24.34	Apr. 26	24.33	Aug. 8	21.10	Oct. 29	22.29
Feb. 28	24.34	June 5	16.09	Sept. 5	19.89	Dec. 6	22.56
Mar. 26	24.39	July 10	19.91	27	21.43	31	22.67

17. George Crow. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 4 inches, depth 103 feet. Land-surface datum is 1,307.4 feet above msl. Highest water level 23.56 below lsd, Dec. 5, 1951; lowest 27.33 below lsd, Apr. 26, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	27.31	Apr. 26	27.33	July 10	25.58	Oct. 30	23.72
Feb. 28	27.19	June 5	26.83	Sept. 27	23.86	Dec. 5	23.56
Mar. 26	27.27						

18. Louis Ott. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 6 inches, depth 163 feet. Land-surface datum is 1,315.5 feet above msl. Highest water level 63.13 below lsd, Dec. 5, 1951; lowest 67.37 below lsd, Sept. 5, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	66.30	Apr. 27	66.03	Aug. 8	64.04	Oct. 30	63.36
Feb. 28	65.94	June 5	65.82	Sept. 5	67.37	Dec. 5	63.13
Mar. 26	65.76	July 11	64.76	28	63.99		

19. K. E. Fisher. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, T. 20 N., R. 10 W. Driven unused water-table well in terrace deposit, diameter 1 $\frac{1}{2}$  inches, depth 27 feet. Land-surface datum is 1,156.7 feet above msl. Highest water level 15.66 below lsd, July 11, 1951; lowest 18.70 below lsd, July 22, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	18.12	Apr. 27	17.94	Aug. 7	16.40	Oct. 30	17.55
Mar. 1	18.14	June 5	16.32	Sept. 5	17.04	Dec. 5	17.36
27	17.99	July 11	15.66	28	17.31		

20. City of Enid. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 31 feet, cased to 30. Land-surface datum is 1,273.2 feet above msl. Highest water level 21.90 below lsd, May 25, 1950; lowest 23.10 below lsd, Mar. 26, 1951. Records available: 1950-51. Jan. 29, 22.76; Feb. 28, 22.83; Mar. 26, 23.10. Measurement discontinued.

21. City of Enid. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 24, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 20 feet. Land-surface datum is 1,252.8 feet above msl. Highest water level 14.02 below lsd, Dec. 27, 1950; lowest 15.54 below lsd, Apr. 7, 1950. Records available: 1950. Measurement discontinued.

22. City of Enid. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 24, T. 21 N., R. 9 W. Drilled observation water-table well in rocks of Permian age, diameter 2 inches, depth 47 feet, cased to 47. Land-surface datum is 1,254.2 feet above msl. Highest water level 14.05 below lsd, Dec. 27, 1950; lowest 40.24 below lsd, June 8, 1950. Records available: 1950. Measurement discontinued.

23. City of Fairview. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T. 22 N., R. 11 W. Drilled unused water-table well in terrace deposit, diameter 12 inches, depth 36 feet, cased to 36. Land-surface datum is 1,264.7 feet above msl. Highest water level 20.76 below lsd, Dec. 27, 1950; lowest 23.51 below lsd, Apr. 27, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	21.49	Apr. 27	23.51	Aug. 7	21.16	Oct. 30	20.84
Mar. 1	22.45	June 4	22.78	Sept. 5	21.16	Dec. 5	21.60
26	22.99	July 11	21.08	28	20.90		

24. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{2}$  inches, depth 21 feet, cased to 20. Land-surface datum is 1,216.9 feet above msl. Highest water level 6.05 below lsd, July 11, 1951; lowest 13.73 below lsd, Apr. 27, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	13.41	Apr. 27	13.73	Aug. 8	7.94	Oct. 30	11.10
Mar. 1	13.60	June 4	8.22	Sept. 5	9.93	Dec. 6	11.43
26	13.70	July 11	6.05	28	10.45		

25. Carl A. Dittrich. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 22 N., R. 10 W. Dug unused water-table well in terrace deposit, diameter 6 inches, depth 38 feet. Land-surface datum is 1,304.0 feet above msl. Highest water level 25.95 below lsd, Aug. 7, 1951; lowest 31.83 below lsd, July 13, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	30.00	Apr. 27	30.08	Aug. 7	25.95	Oct. 30	26.20
Mar. 1	30.05	June 4	29.48	Sept. 5	26.03	Dec. 5	26.44
26	30.03	July 11	27.54	28	26.29		

26. City of Enid. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 27, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 6 inches, depth 60 feet, cased to 60. Land-surface datum is 1,239.7 feet above msl. Highest water level 29.73 below lsd, Dec. 5, 1951; lowest 31.85 below lsd, Jan. 15, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	31.85	Mar. 1	31.22	July 11	30.65	Sept. 28	30.58
17	31.76	27	31.07	Aug. 8	31.14	Oct. 30	30.16
18	31.78	Apr. 26	31.05	Sept. 5	31.13	Dec. 5	29.73
30	31.59	June 5	30.99				

27. City of Enid. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 6 inches, depth 63 feet, cased to 63. Land-surface datum is 1,232.6 feet above msl. Highest water level 22.98 below lsd, Dec. 5, 1951; lowest 31.09 below lsd, Sept. 20, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	29.04	Jan. 30	26.17	Apr. 26	27.81	Aug. 8	31.06
17	27.07	Mar. 1	27.51	June 5	29.08	Oct. 30	26.55
18	26.78	27	25.49	July 11	28.99	Dec. 5	22.98

28. Victor Laubhan. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 20 N., R. 9 W. Drilled irrigation water-table well in terrace deposit, diameter 10 inches, reported depth 67 feet. Land-surface datum is 1,180.6 feet above msl. Highest water level 3.41 below lsd, July 11, 1951; lowest 9.22 below lsd, July 7, 1950. Records available: 1950-51.

Jan. 30	7.32	Apr. 27	7.17	Aug. 8	5.96	Oct. 30	5.95
Mar. 1	7.13	June 5	4.92	Sept. 5	5.47	Dec. 5	5.57
27	7.04	July 11	3.41	27	5.95		

29. U. S. Geol. Survey. NW. cor. sec. 24, T. 21 N., R. 10 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$  inches, depth 53 feet, screen 51-53. Land-surface datum is 1,247.9 feet above msl. Highest water level 32.28 below lsd, Dec. 5, 1951; lowest 34.74 below lsd, July 22, 1950. Records available: 1950-51.

Jan. 30	34.31	Apr. 27	33.47	Aug. 8	33.19	Oct. 30	32.61
Mar. 1	34.23	June 4	34.06	Sept. 5	32.87	Dec. 5	32.28
26	34.18	July 11	33.57	28	32.82		

30. U. S. Geol. Survey. NE. cor. sec. 29, T. 22 N., R. 10 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$  inches, depth 69 feet, screen 67-69. Land-surface datum is 1,294.9 feet above msl. Highest water level 29.75 below lsd, Aug. 7, 1951; lowest 35.92 below lsd, July 6, 1950. Records available: 1950-51.  
Jan. 30, 31.42; Mar. 1, 31.35; Mar. 26, 31.31; Apr. 27, 31.22; June 4, 31.01; July 11, 30.29; Aug. 7, 29.75. Measurement discontinued.

31. U. S. Geol. Survey. NE. cor. sec. 19, T. 22 N., R. 10 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$  inches, depth 80 feet, screen 78-80. Land-surface datum is 1,312.1 feet above msl. Highest water level 35.96 below lsd, July 11, 1951; lowest 38.87 below lsd, July 6, 1950. Records available: 1950-51.  
Jan. 30, 36.82; Mar. 1, 36.68; Mar. 26, 36.69; Apr. 27, 36.56; June 4, 36.60; July 11, 35.96.

#### Oklahoma County

1. Joslyn Production Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T. 13 N., R. 3 W. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 10 to 8 inches, reported depth 750 feet, cased to 750. Highest water level 150.07 below lsd, June 21, 1943; lowest 181.79 below lsd, Feb. 1, 1949. Records available: 1943-51.

Jan. 21	179.90	Apr. 25	178.03	July 30	175.20	Oct. 26	171.46
Feb. 27	179.85	May 30	176.52	Aug. 25	174.42	Nov. 26	169.84
Mar. 27	178.30	June 25	176.90	Sept. 27	173.06		

2. Sunray Oil Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 12 N., R. 3 W. 28th Street and Lindsay Avenue, Oklahoma City. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 10 to 8 inches, depth 791 feet, cased to 791. Highest water level 175.78 below lsd, Dec. 22, 1951; lowest 206.85 below lsd, Aug. 29, 1946. Records available: 1943-51.

Jan. 21,	178.35	Apr. 25	176.38	July 30	183.85	Oct. 26	177.59
Feb. 27	177.00	May 30	177.56	Aug. 25	184.85	Nov. 26	176.40
Apr. 9	177.25	June 25	181.73	Sept. 27	182.10	Dec. 22	175.78

3. Skelly Oil Co. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T. 12 N., R. 3 W. 18th St. and North Lottie Ave., Oklahoma City. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 8 inches, reported depth 827 feet, cased to 827. Highest water level 192.89 below lsd, June 21, 1943; lowest 238.52 below lsd, Aug. 27, 1943. Records available: 1943-51.

Jan. 21	200.07	Apr. 25	199.29	July 30	203.70	Oct. 26	200.29
Feb. 27	198.44	May 30	198.66	Aug. 25	205.70	Nov. 26	200.13
Mar. 27	198.24	June 25	200.74	Sept. 27	202.75	Dec. 22	198.23



4. U. S. Air Force. Oklahoma City Air Depot. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, T. 11 N., R. 2 W. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 10 to 7 inches, depth 703 feet. Highest water level 149.92 below lsd, May 5, 1947; lowest 194.29 below lsd, Sept. 10, 11, 1944. Records available: 1944-51.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	175.83	.....	181.93	180.68	185.10	187.17	189.72	191.73	.....	184.00	185.53	183.90
2	176.47	.....	182.19	180.29	185.28	187.66	189.12	191.99	.....	.....	185.86	183.13
3	176.48	.....	182.70	.....	185.50	187.70	189.34	192.27	189.07	.....	185.33	183.90
4	178.28	.....	182.70	.....	185.69	186.55	189.44	192.43	189.78	.....	185.00	183.65
5	179.30	176.40	182.74	.....	185.66	187.00	189.24	191.80	190.26	.....	185.60	183.71
6	179.39	.....	182.75	.....	184.09	187.20	189.22	191.14	191.71	.....	185.60	182.85
7	179.10	.....	183.03	.....	183.80	187.37	189.28	.....	191.75	.....	184.97	184.09
8	177.30	.....	183.62	.....	184.42	187.70	189.24	.....	191.24	186.01	184.45	186.37
9	175.90	.....	183.88	179.02	184.92	188.11	188.16	.....	189.97	186.08	184.58	187.86
10	179.42	.....	184.00	180.58	185.48	188.04	188.51	.....	189.75	186.00	184.68	186.30
11	179.90	.....	183.50	180.92	185.87	187.51	188.84	.....	189.75	185.82	184.62	170.30
12	179.93	179.99	181.06	181.31	186.11	187.84	189.07	.....	191.89	186.19	183.40	169.80
13	179.20	182.03	182.88	181.65	185.91	188.07	189.25	190.40	191.95	185.62	181.69	181.13
14	177.83	182.61	183.40	181.81	185.85	188.26	189.40	191.42	175.57	184.58	183.05	186.61
15	176.55	182.92	182.35	181.45	186.34	188.42	.....	192.12	190.06	185.82	182.95	188.62
16	179.58	183.30	181.80	182.12	186.78	188.54	189.10	192.41	190.15	185.09	184.21	188.90
17	179.90	183.45	181.01	182.87	187.05	187.99	189.47	192.74	175.24	185.46	183.61	188.59
18	180.10	183.48	179.96	183.50	187.08	186.80	189.78	192.01	175.38	185.71	183.51	182.50
19	179.40	183.53	178.94	184.02	187.62	187.36	190.11	193.01	176.05	185.92	183.38	186.60
20	177.49	183.63	181.68	184.39	186.91	187.67	190.41	193.40	177.60	185.95	183.20	188.70
21	177.53	183.62	182.32	184.80	186.07	188.00	190.68	193.47	179.18	185.95	184.38	189.86
22	176.45	183.20	182.62	184.80	186.78	188.31	190.75	193.70	183.65	185.68	184.30	190.34
23	176.49	182.10	182.67	183.30	187.11	188.60	189.82	193.89	185.07	185.61	183.00	170.79
24	177.50	182.43	182.42	183.70	187.32	188.42	.....	193.94	180.27	186.01	182.98	181.71
25	180.00	181.27	180.88	184.34	187.64	187.72	.....	194.03	180.79	186.36	182.89	184.72
26	180.77	179.67	180.15	184.56	188.10	188.50	.....	193.73	181.70	186.47	181.15	184.77
27	180.78	180.64	180.25	185.00	188.16	188.92	.....	192.70	182.30	186.40	182.63	185.62
28	179.70	181.53	180.80	185.16	186.80	189.20	.....	193.25	183.13	185.10	183.40	185.73
29	178.95	.....	180.66	185.26	187.15	189.39	.....	.....	183.68	184.10	183.83	164.60
30	178.60	.....	180.84	185.25	187.27	189.69	191.46	.....	184.00	184.62	183.90	.....
31	180.69	.....	181.51	.....	186.50	.....	191.49	.....	185.08	.....	186.30	.....

h Tape measurement.

6. Oklahoma City Water Department well 5-2. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 12 N., R. 3 W. Reno St. and Pennsylvania Ave. Drilled observation water-table well in alluvium, diameter 2 inches, depth 38 feet, cased to 38. Land-surface datum is 1,187.44 feet below msl. Highest water level 2.65 below lsd, July 2, 1948; lowest 18.59 below lsd, Nov. 30, 1943. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	5.95	Apr. 25	5.53	Aug. 25	5.68	Nov. 26	7.49
Feb. 27	5.40	June 25	3.53	Sept. 25	6.27	Dec. 22	7.06
Mar. 27	5.35	July 30	4.88	Oct. 26	7.18		

7. Oklahoma City Water Dept. well 5-3. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 12 N., R. 3 W. Reno St. and Pennsylvania Ave. Drilled observation water-table well in alluvium, diameter 2 inches, depth 35 feet, cased to 35. Highest water level 2.82 below lsd, May 28, 1947; lowest 18.52 below lsd, Nov. 30, 1943. Records available: 1942-51.

Jan. 21	5.97	Apr. 25	5.67	Aug. 25	5.90	Nov. 26	7.73
Feb. 27	5.62	June 25	3.35	Sept. 25	6.44	Dec. 22	7.28
Mar. 27	5.57	July 30	4.82	Oct. 26	7.26		

9. Oklahoma City Water Department well 26-3. SE. cor. sec. 36, T. 12 N., R. 4 W. Reno St. and May Ave. Drilled observation water-table well in alluvium, diameter 2 inches, depth 35 feet, cased to 35. Highest water level 0.14 below lsd, July 25, 1950; lowest 8.55 below lsd, June 28, 1944. Records available: 1944-51.

Jan. 21	1.70	Apr. 25	1.42	Aug. 25	2.77	Nov. 26	2.35
Feb. 27	.95	June 25	.34	Sept. 25	2.61	Dec. 22	2.36
Mar. 27	.99	July 30	2.00	Oct. 26	3.04		

10. Oklahoma City Water Department well 26. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 12 N., R. 4 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 42 feet, cased to 42. Land-surface datum is 1,315.63 feet above msl. Highest water level 34.90 below lsd, Feb. 25, 1946; lowest 37.80 below lsd, Jan. 21, 1951. Records available: 1945-51.

## 10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	37.80	Mar. 27	37.60	June 26	37.24	Oct. 26	36.44
Feb. 22	37.70	Apr. 25	37.66	July 30	37.03	Nov. 26	36.33
27	37.70	May 30	36.50	Sept. 27	36.57	Dec. 22	36.27

11. Oklahoma City Water Department well 27. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 12 N., R. 4 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 37 feet, cased to 37. Land-surface datum is 1,287 feet above msl. Highest water level 9.05 below lsd, May 28, 1947; lowest 13.69 below lsd, Sept. 26, 1947. Records available: 1945-51.

Jan. 21	12.87	Apr. 25	12.44	July 30	11.36	Oct. 26	13.47
Feb. 27	12.52	May 30	10.00	Aug. 25	12.38	Nov. 26	13.29
Mar. 27	12.34	June 26	10.28	Sept. 27	13.18	Dec. 22	13.11
28	12.34						

12. Oklahoma City Water Department well 28. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 12 N., R. 4 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 32 feet, cased to 32. Land-surface datum is 1,269.69 feet below msl. Highest water level 13.44 below lsd, Feb. 25, 1946; lowest 16.79 below lsd, Jan. 28, 1948. Records available: 1945-51.

Jan. 21	16.61	Apr. 25	16.57	July 30	15.09	Oct. 26	16.15
Feb. 27	16.60	May 30	15.66	Aug. 25	15.40	Nov. 26	16.28
Mar. 27	16.48	June 26	15.18	Sept. 27	15.97	Dec. 22	16.31

## Payne County

1. Mrs. Vern G. Phelps. SW $\frac{1}{4}$  sec. 15, T. 19 N., R. 4 E. Drilled water-table well in rocks of early Permian age, diameter 8 inches, depth 21 feet. Highest water level 1.58 below lsd, May 27, 1943; lowest 7.89 below lsd, Oct. 30, 1939. Records available: 1934-51.

Jan. 25	4.82	Apr. 27	3.80	July 26	3.36	Nov. 29	2.46
Feb. 28	3.22	May 29	2.74	Sept. 30	5.40	Dec. 27	3.91
Mar. 30	4.05	June 29	4.55	Oct. 30	3.35		

2. J. F. Gilchrist. NW $\frac{1}{4}$  sec. 36, T. 20 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 35 feet. Highest water level 2.39 below lsd, May 27, 1943; lowest 9.64 below lsd, Dec. 2, 1939. Records available: 1934-50. Measure discontinued.

3. V. D. Hesser. NW $\frac{1}{4}$  sec. 23, T. 20 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 27 feet. Highest water level 1.20 below lsd, May 27, 1943; lowest 13.01 below lsd, Oct. 26, 1940. Records available: 1934-51.

Jan. 25	8.93	Apr. 27	8.24	July 26	4.36	Oct. 30	7.69
Feb. 28	8.87	May 29	5.41	Aug. 27	6.50	Nov. 29	4.58
Mar. 30	8.46	June 29	6.29	Sept. 30	8.15	Dec. 27	5.55

4. W. O. Snyder. NW $\frac{1}{4}$  sec. 2, T. 19 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 34 feet. Highest water level 6.72 below lsd, Apr. 27, 1942; lowest 24.29 below lsd, Aug. 27, 1940. Records available: 1934-51.

Jan. 25	19.42	Apr. 27	18.39	July 26	18.52	Nov. 29	19.51
Feb. 28	19.08	May 29	17.88	Sept. 30	20.26	Dec. 27	19.13
Mar. 30	18.64	June 29	17.90	Oct. 30	20.24		

7. Charles Focht. NW $\frac{1}{4}$  sec. 20, T. 19 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 30 feet. Highest water level 2.17 below lsd, Apr. 27, 1942, Sept. 29, 1945; lowest 25.57 below lsd, Oct. 26, 1940. Records available: 1934-51.

Jan. 25	24.21	Apr. 27	24.23	July 26	21.34	Oct. 30	21.61
Feb. 28	24.27	May 27	15.76	Aug. 27	22.25	Nov. 29	17.80
Mar. 30	24.27	June 29	18.61	Sept. 30	22.74	Dec. 27	20.53

9. Simon A. Laughlin. SW $\frac{1}{4}$  sec. 21, T. 20 N., R. 2 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 41 feet. Highest water level 10.95 below lsd, Apr. 29, 1942; lowest 36.29 below lsd, Apr. 5, 1937. Records available: 1934-51.

Jan. 25	20.24	Apr. 27	19.42	July 26	13.98	Oct. 30	18.09
Feb. 28	20.62	May 29	15.27	Aug. 27	16.75	Nov. 29	16.29
Mar. 30	19.94	June 29	15.77	Sept. 30	17.41	Dec. 27	15.63

13. Erma T. Pool. SW $\frac{1}{4}$  sec. 23, T. 19 N., R. 1 E. Drilled water-table well in rocks of early Permian age, diameter 7 inches, depth 47 feet. Highest water level 22.18 below lsd, Oct. 27, 1946; lowest 27.91 below lsd, Jan. 28, 1941. Records available: 1934-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	23.86	Apr. 27	24.16	July 26	23.94	Nov. 29	23.93
Feb. 28	23.79	May 29	24.06	Sept. 30	23.77	Dec. 27	24.68
Mar. 30	24.08	June 29	24.03	Oct. 30	23.75		

15. Lovell Bros. NE $\frac{1}{4}$  sec. 35, T. 19 N., R. 3 E. Drilled water-table well in rocks of early Permian age. Highest water level 30.04 below lsd, Oct. 26, 1950; lowest 39.73 below lsd, May 24, 1939. Records available: 1934-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	30.68	Apr. 27	35.22	July 26	34.43	Oct. 30	34.92
Feb. 28	35.43	May 29	34.61	Aug. 27	34.50	Nov. 29	34.67
Mar. 30	35.38	June 29	34.65	Sept. 30	35.18	Dec. 27	36.39

16. W. K. Hartman. SW $\frac{1}{4}$  sec. 12, T. 18 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 7 inches, depth 48 feet. Highest water level 9.18 below lsd, May 27, 1943; lowest 23.47 below lsd, Mar. 21, 1937. Records available: 1934-51. Jan. 25, 20.79. Measurement discontinued.

18. John Wolf. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, T. 16 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 39 feet. Highest water level 20.60 below lsd, Nov. 29, 1951; lowest 21.20 below lsd, Oct. 30, 1951. Records available: 1951. Aug. 27, 20.71; Sept. 30, 20.65; Oct. 30, 21.20; Nov. 29, 20.60; Dec. 27, 21.07.

#### Roger Mills County

1. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, T. 13 N., R. 23 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 16 feet, cased to 16, screen at 14-16. Highest water level 1.89 below lsd, May 17, 1949; lowest 8.70 below lsd, Oct. 19, 1947. Records available: 1947-51. Feb. 20, 5.32; Mar. 20, 5.19; July 14, 2.99; Oct. 27, 5.68.

2. Joseph W. Millhouse. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T. 15 N., R. 24 W. Drilled unused water-table well in rocks of Permian age, diameter 7 inches, depth 53 feet. Highest water level 21.20 below lsd, Oct. 29, 1949; lowest 23.24 below lsd, Feb. 20, Mar. 20, 1951. Records available: 1949, 1951. Oct. 29, 1949, 21.20; Feb. 20, 1951, 23.24; Mar. 20, 23.24; July 14, 22.58; Oct. 27, 23.21.

#### Seminole County

1. Skelly Gas Corp. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 9 N., R. 6 E. Drilled unused artesian well in Vamoosa formation, diameter 8 inches, depth 496 feet. Highest water level 98.51 below lsd, June 15-16, 1951; lowest 115.88 below lsd, Sept. 28, 1948. Records available: 1948-51.

#### Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	h102.27	.....	100.62	103.20	99.70	.....	100.18	100.41	103.51	103.16	103.16	100.88
2	102.25	h100.78	100.28	103.20	99.32	.....	99.52	101.04	.....	102.12	h104.45	100.69
3	102.19	100.55	99.99	103.29	100.79	.....	99.22	101.86	h103.75	102.54	.....	100.61
4	102.47	100.32	100.01	103.24	101.10	h100.87	99.13	102.06	.....	102.90	h101.74	100.62
5	102.43	100.23	101.20	103.20	100.12	99.94	100.04	102.60	.....	.....	102.92	100.37
6	102.01	100.45	99.96	103.09	100.63	99.43	100.46	102.84	.....	.....	103.77	100.38
7	102.01	100.65	99.86	101.96	101.16	99.15	99.54	102.94	.....	.....	104.01	100.64
8	101.92	100.58	99.86	101.61	101.78	99.01	99.96	102.83	.....	h101.62	103.14	101.75
9	101.83	100.43	99.87	101.97	101.87	99.05	100.44	102.74	.....	104.29	102.32	102.37
10	101.97	100.62	99.66	102.61	100.63	100.27	99.56	102.61	h101.93	104.42	102.02	101.71
11	101.98	100.65	.....	102.77	100.09	100.69	99.14	102.91	.....	103.24	101.73	101.09
12	101.81	100.99	h99.36	101.91	101.04	99.49	99.07	101.81	.....	102.62	101.53	100.80
13	101.81	101.31	h100.94	101.05	101.41	99.16	100.35	101.99	.....	103.31	102.31	100.63
14	101.59	101.31	101.84	100.86	100.49	99.12	100.99	102.54	.....	103.70	103.08	100.95
15	101.54	101.22	102.10	101.87	100.05	98.70	100.32	102.52	.....	102.83	103.11	101.63
16	101.54	101.08	101.10	102.29	99.88	100.13	100.75	102.87	.....	102.31	102.37	101.64
17	101.47	100.91	102.36	101.32	99.70	100.54	101.63	102.65	h101.71	102.21	102.04	101.63
18	101.47	100.70	102.70	100.51	99.60	99.55	101.95	102.90	.....	103.51	.....	101.74
19	101.42	100.66	102.81	101.47	100.80	99.13	101.97	101.95	.....	103.89	h101.43	101.64
20	101.70	100.68	102.94	101.70	100.94	98.92	102.13	102.52	.....	102.81	h101.92	101.48
21	101.70	100.68	102.95	100.49	100.88	98.80	100.99	103.26	.....	101.98	101.69	101.62
22	101.51	100.74	102.92	100.04	99.55	98.89	101.24	103.44	.....	103.20	101.27	100.96
23	101.68	100.83	103.13	100.69	99.22	99.72	102.01	103.53	.....	104.10	101.19	101.62
24	101.81	100.84	103.16	101.67	99.16	99.35	102.31	102.45	h101.99	104.25	101.14	101.62
25	101.81	100.71	103.17	101.90	98.73	100.02	102.52	102.79	101.82	103.59	101.12	102.02

## 1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	101.62	100.49	103.15	100.92	100.30	100.83	102.59	101.35	101.57	104.55	101.19	102.35
27	101.63	100.50	103.06	100.30	100.65	101.01	101.71	102.40	102.97	104.66	101.86	102.35
28	101.78	100.51	102.94	100.84	99.64	100.07	102.27	103.14	103.35	103.77	102.19	101.33
29	.....		103.13	101.27	99.20	100.44	101.67	103.47	102.38	103.25	101.54	100.52
30	h101.21		103.14	100.21	99.18	101.13	100.89	103.60	103.01	102.71	101.11	100.15
31	.....		103.13		99.17		100.57	103.06		102.07		100.90

h Tape measurement.

## Texas County

40. August Lorenz. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 3 N., R. 17 E. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 97 feet. Land-surface datum is 2,931 feet above msl. Highest water level 87.48 below lsd, May 7, 1951; lowest 91.09 below lsd, Jan. 25, 1941. Records available: 1937-51. May 7, 87.48.

125. J. Donald Hughes. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 1 N., R. 18 E. Drilled unused water-table well in alluvium, diameter 20 inches, depth 27 feet, cased at 8-27. Highest water level 3.49 below lsd, Nov. 27, 1946; lowest 9.32 below lsd, May 26, 1950. Records available: 1939-51. May 6, 7.17.

130. Robert Johnson. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 1 N., R. 19 E. Drilled unused water-table well in alluvium, diameter 20 inches, depth 32 feet, cased at 5-32, perforations 7-32. Highest water level 5.55 below lsd, Apr. 24, 1942; lowest 9.24 below lsd, May 26, 1950. Records available: 1939-51. May 6, 8.50.

138. Joe Sutton. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, T. 1 N., R. 19 E. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 26 feet. Highest water level 5.92 below lsd, Apr. 29, 1947; lowest 10.24 below lsd, Oct. 26, 1945. Records available: 1939-51. May 6, 7.62.

176. W. N. Ballinger. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 18, T. 3 N., R. 15 E. Drilled unused water-table well in alluvium, diameter 19 inches, depth 30 feet, cased at 5-30. Highest water level 4.50 below lsd, Oct. 26, 1946; lowest 9.39 below lsd, July 26, 1938. Records available: 1937-51. May 7, 5.96.

188. Wiggins. Formerly Kuhn Bros. NW $\frac{1}{4}$  sec. 1, T. 2 N., R. 14 E. Drilled unused water-table well in Ogallala formation, diameter 7 inches, reported depth 254 feet, cased to 254. Highest water level 120.90 below lsd, May 6, 1951; lowest 123.24 below lsd, Jan. 26, 1940. Records available: 1938-51. May 6, 120.90.

228. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, T. 2 N., R. 17 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 10 feet, screen at 8-10. Highest water level 2.83 below lsd, July 20, 1950, May 25, 1951; lowest 6.94 below lsd, Oct. 26, 1951. Records available: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	4.94	Apr. 20	4.83	June 27	4.74	Oct. 26	6.94
17	4.84	27	4.90	July 12	5.13	Nov. 7	5.92
26	4.88	May 4	5.06	23	5.63	15	5.67
Feb. 21	4.84	6	5.10	Aug. 1	5.51	23	5.51
Mar. 1	4.84	11	5.16	15	5.98	30	5.40
14	4.88	25	2.83	Sept. 5	6.20	Dec. 7	5.37
29	4.72	June 1	3.83	27	6.71	18	5.21
Apr. 13	4.80	21	4.55	Oct. 4	6.81	28	5.11

281. C. F. Webb. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 3 N., R. 11 E. Drilled unused water-table well in Ogallala formation, diameter 15 inches, depth 109 feet. Land-surface datum is 3,533 feet above msl. Highest water level 87.34 below lsd, May 5, 1951; lowest 89.40 below lsd, Oct. 30, 1944. Records available: 1938, 1942-51. May 5, 87.34.

284. Paul Spradlin. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 3 N., R. 12 E. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 113 feet, cased to 113. Land-surface datum is 3,423.5 feet above msl. Highest water level 98.90 below lsd, May 5, 1951; lowest 101.95 below lsd, May 23, 1939. Records available: 1939-51. May 5, 98.90. Measurement discontinued.

294. Robbins Ranch. Formerly Stonebraker - Zea Ranch. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 3 N., R. 13 E. Drilled unused water-table well in rocks of Triassic age, diameter 5 inches, depth 57 feet, cased to 57. Highest water level 41.74 below lsd, May 6, 1951; lowest 43.10 below lsd, Apr. 29, 1947. Records available: 1937-51. May 6, 41.74.

309. U. S. Geol. Survey.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 1, T. 3 N., R. 14 E. Driven observation water-table well in alluvium, diameter  $1\frac{1}{2}$  inches, depth 16 feet, perforations 14-16. Highest water level 9.04 below lsd, May 7, 1951; lowest 11.03 below lsd, May 23, 1950. Records available: 1946-51. May 7, 9.04.

332. John A. Wright Estate.  $SW\frac{1}{4}SE\frac{1}{4}$  sec. 17, T. 3 N., R. 15 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 75 feet, cased to 75. Highest water level 63.23 below lsd, May 7, 1951; lowest 67.02 below lsd, Nov. 22, 1939. Records available: 1937-46, 1949-51. May 7, 63.23.

354. A. M. Fankhauser.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 27, T. 6 N., R. 15 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 167 feet, cased to 167. Highest water level 145.45 below lsd, May 14, 1949; lowest 146.47 below lsd, Oct. 21, 1942. Records available: 1937-42, 1946-50. No measurement made in 1951.

406. G. R. Beaman and others.  $SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$  sec. 35, T. 4 N., R. 11 E. Drilled unused water-table well in Ogallala formation, depth 111 feet, cased to 111. Highest water level 77.48 below lsd, May 5, 1951; lowest 78.78 below lsd, May 18, 1946. Records available: 1946-51. May 5, 77.48.

436. Leo Holtgraver.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 24, T. 4 N., R. 14 E. Drilled domestic and stock water-table well in Ogallala formation, diameter 4 inches, depth 198 feet, cased to 198. Highest water level 169.92 below lsd, May 14, 1949; lowest 171.66 below lsd, Mar. 23, 1940. Records available: 1938-42, 1944-49. No measurement made in 1951.

462. U. S. Geol. Survey.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 36, T. 4 N., R. 16 E. Driven observation water-table well in alluvium, diameter  $1\frac{1}{2}$  inches, depth 6 feet, cased to 6, screen at 4-6. Highest 2.88 below lsd, Apr. 27, 1947; lowest dry, May 19, 1948, May 7, 1951. Records available: 1946-47, 1949, 1951. May 7, dry. Measurement discontinued.

497. R. M. Van Hying.  $NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$  sec. 21, T. 4 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 12 to 8 inches, reported depth 280 feet, cased to 280, perforations 100-280. Land-surface datum is 2,820 feet above msl. Highest water level 98.32 below lsd, May 7, 1951; lowest 104.06 below lsd, Sept. 20, 1938. Records available: 1937-51. May 7, 98.32.

551. O. C. Glatthaar.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 19, T. 4 N., R. 13 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 214 feet, cased to 214. Highest water level 142.34 below lsd, May 5, 1951; lowest 145.80 below lsd, Jan. 27, 1938. Records available: 1937-51. May 5, 142.34.

589. George Hoferber.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 34, T. 4 N., R. 17 E. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 142 feet, cased to 142. Land-surface datum is 2,935 feet above msl. Highest water level 113.88 below lsd, May 7, 1951; lowest 119.70 below lsd, Nov. 23, 1940. Records available: 1937-51. May 7, 113.88.

725. U. S. Geol. Survey.  $SW\frac{1}{4}SE\frac{1}{4}$  sec. 12, T. 3 N., R. 15 E. Driven observation water-table well in alluvium, diameter  $1\frac{1}{2}$  inches, depth 18 feet, cased to 18, perforations 16-18. Highest water level 7.85 Apr. 27, 1947; lowest 9.28 below lsd, Oct. 20, 1947. Records available: 1946-51. May 7, 7.95.

761. Federal Life Insurance Co.  $NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$  sec. 7, T. 3 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 117 feet, cased to 117. Land-surface datum is 2,834 feet above msl. Highest water level 89.71 below lsd, May 7, 1951; lowest 108.04 below lsd, Dec. 3, 1937. Records available: 1937-51. May 7, 89.71.

765. O. Jolliff.  $SW\frac{1}{4}$  sec. 26, T. 3 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 120 feet, cased to 120. Land-surface datum is 2,765 feet above msl. Highest water level 103.00 below lsd, Nov. 24, 1938; lowest 105.40 below lsd, May 16, 1946. Records available: 1937-51. May 7, 103.93.

842. C. A. Rahm.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 22, T. 6 N., R. 16 E. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 145 feet, cased to 145. Land-surface datum is 3,118 feet above msl. Highest water level 111.67 below lsd, May 14, 1949; lowest 122.87 below lsd, Sept. 24, 1940. Records available: 1937-49. No measurement made in 1951.

#### Tillman County

1. Southwestern Cotton Substation.  $NW\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 25, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 20 inches, reported depth 54 feet, cased to 54. Highest water level 18.38 below lsd, June 2, 1947; lowest 34.19 below lsd, Sept. 2, 1947. Records available: 1944-51.

## 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	23.62	Apr. 9	23.13	July 16	21.18	Oct. 8	22.10
8	23.56	16	23.13	23	21.28	15	21.03
15	23.45	23	23.16	30	21.68	22	21.98
22	23.53	30	23.12	Aug. 6	22.16	29	21.08
29	23.50	May 7	23.28	13	22.49	Nov. 5	21.03
Feb. 5	23.39	14	23.21	20	22.59	12	21.05
12	23.46	21	21.31	27	21.07	19	21.05
19	23.43	28	21.38	Sept. 3	21.93	26	21.07
26	23.10	June 4	21.53	10	22.60	Dec. 3	21.11
Mar. 5	23.20	11	21.37	17	22.08	10	21.15
12	23.25	18	21.27	24	22.06	17	21.10
19	23.25	25	21.36	26	22.06	24	21.03
26	23.14	July 2	21.27	Oct. 1	21.98	31	20.98
Apr. 2	23.10	9	21.21				

12. J. W. Boyd. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 18 inches, reported depth 53 feet. Highest water level 18.40 below lsd, Nov. 13, 1950; lowest 19.59 below lsd, Oct. 19, 1949. Records available: 1949-50. No measurement made in 1951.

13. Oran Roberts. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, depth 33 feet, cased to 33. Highest water level 7.60 below lsd, Nov. 13, 1950; lowest 8.90 below lsd, Oct. 19, 1949. Records available: 1949-51. Apr. 24, 7.73.

14. R. H. Dunlap. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 18 inches, reported depth 35 feet. Highest water level 6.38 below lsd, Apr. 5, 1950; lowest 7.80 below lsd, Oct. 19, 1949. Records available: 1949-50. No measurement made in 1951.

15. I. W. Kinney. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 10, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, reported depth 45 feet. Highest water level 21.11 below lsd, Oct. 19, 1949; lowest 21.39 below lsd, Apr. 5, 1950. Records available: 1949-50. No measurement made in 1951.

16. F. L. Wagnin. SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, reported depth 65 feet, cased to 65. Highest water level 21.88 below lsd, Apr. 13, 1949; lowest 22.07 below lsd, Apr. 5, 1950, Nov. 13, 1950. Records available: 1949-50. Measurement discontinued.

18. Virgil Hale. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, T. 1 S., R. 18 W. Dug irrigation water-table well in terrace deposit, diameter 6 feet, reported depth 47 feet, cased to 47. Highest water level 24.76 below lsd, Apr. 5, 1950, Apr. 24, 1951; lowest 25.49 below lsd, Oct. 18, 1949. Records available: 1949-51. Apr. 24, 24.76.

19. Clark. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, T. 1 S., R. 18 W. Drilled irrigation water-table well in terrace deposit, diameter 10 inches, depth 52 feet. Highest water level 23.50 below lsd, Oct. 19, 1949; lowest 24.66 below lsd, Apr. 24, 1951. Records available: 1949-51. Apr. 24, 24.66.

## Washita County

5. Robinson. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 9 N., R. 14 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 134 feet. Highest water level 22.50 below lsd, June 16, 1951; lowest 107.27 below lsd, Oct. 28, 1949. Records available: 1949-51. Measurement discontinued.

Jan. 6	107.25	Feb. 24	106.79	Apr. 7	106.79	May 19	106.54
20	107.11	Mar. 3	106.72	14	106.49	26	66.10
29	107.15	10	106.72	21	106.86	June 2	73.07
Feb. 3	106.84	17	106.47	28	106.75	9	61.23
10	106.94	24	107.15	May 5	106.76	16	22.53
17	106.69	31	106.69	12	106.60		

6. D. M. Holland. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 9 N., R. 14 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 162 feet. Highest water level 123.08 below lsd, May 20, 1950; lowest 125.16 below lsd, May 27, 1950. Records available: 1949-51.

## 6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	124.55	Apr. 7	124.09	July 7	124.08	Oct. 6	124.34
13	124.05	14	123.83	14	124.28	13	124.16
20	124.47	21	124.15	21	123.99	20	123.92
29	124.38	28	124.00	28	124.05	27	124.27
Feb. 3	124.18	May 5	124.06	Aug. 4	124.20	Nov. 3	124.11
10	124.30	12	124.12	11	124.24	10	124.29
17	124.09	19	124.08	18	124.17	17	124.79
24	124.16	26	124.12	25	124.05	24	124.09
Mar. 3	124.11	June 2	124.14	Sept. 1	123.96	Dec. 1	124.03
10	124.03	9	124.18	8	124.10	8	124.44
17	123.89	16	123.96	15	124.26	15	124.74
24	124.42	23	123.93	22	124.26	22	123.90
31	123.94	30	124.14	29	124.17	29	123.73

13. W. A. Bennett. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 35, T. 10 N., R. 14 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 91 feet. Highest water level 74.14 below lsd, Oct. 20, 1951; lowest 74.52 below lsd, Dec. 15, 1951. Records available: 1951.

Sept. 15	74.37	Oct. 13	74.34	Nov. 10	74.42	Dec. 8	74.49
22	74.40	20	74.14	17	74.50	15	74.52
29	74.25	27	74.38	24	74.31	22	74.17
Oct. 6	74.51	Nov. 3	74.25	Dec. 1	74.28	29	74.19

Woodward County

4. William and Grace Erts. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 23 N., R. 20 W. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 27 feet. Highest water level 1.35 below lsd, Oct. 31, 1946; lowest 5.48 below lsd, Aug. 28, 1946. Records available: 1945-51.  
Feb. 21, 2.51; Apr. 23, 2.14; July 9, 1.48; Oct. 8, 4.26.

6. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 24 N., R. 22 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 17 feet, cased to 17, screen at 15-17. Highest water level 9.79 below lsd, July 9, 1951; lowest 12.47 below lsd, Oct. 8, 1951. Records available: 1951. Feb. 21, 10.89; Mar. 20, 10.48; Apr. 23, 10.56; July 9, 9.79; Oct. 8, 12.47.

7. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 24 N., R. 22 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 13 feet, cased to 13, screen at 11-13. Highest water level 3.36 below lsd, Apr. 23, 1951; lowest 5.63 below lsd, Oct. 8, 1951. Records available: 1951. Mar. 21, 3.68; Apr. 23, 3.36; Oct. 8, 5.63.

8. Alfred Hundorf. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 22 N., R. 20 W. Dug unused water-table well in alluvium, diameter 6 inches, depth 10 feet, cased to 10. Highest water level 2.52 below lsd, July 9, 1951; lowest 5.04 below lsd, Oct. 8, 1951. Records available: 1951. Feb. 21, 2.85; Mar. 20, 2.84; July 9, 2.52; Oct. 8, 5.04. Measurement discontinued.

9. U. S. Geol. Survey. SE $\frac{1}{4}$  sec. 25, T. 21 N., R. 19 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 13 feet, cased to 13, screen at 11-13. Highest water level 5.86 below lsd, July 9, 1951; lowest 7.11 below lsd, Mar. 20, 1951. Records available: 1951. Mar. 20, 7.11; Apr. 23, 6.53; July 9, 5.86. Measurement discontinued.

10. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, T. 20 N., R. 17 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 13 feet, cased to 13. Highest water level 4.00 below lsd, July 9, 1951; lowest 6.34 below lsd, Oct. 8, 1951. Records available: 1951. Mar. 19, 4.79; Apr. 23, 4.96; July 9, 4.00; Oct. 8, 6.34.

## TEXAS

By C. R. Follett and G. H. Shafer

### Scope of Water-Level Program

The observation-well program in Texas begun in 1929 in cooperation with Texas State Board of Water Engineers was continued in 1951. During 1951 measurements were made in 1,074 wells in 51 counties and recording gages were maintained on 14 wells. Locations of observation wells are shown in figures 19-34.

### Precipitation

The average yearly precipitation decreases from east to west; most of the area east of the 97th meridian is humid or semihumid, the middle section is semihumid to semiarid, and the area west of the 101st meridian is semiarid to arid. The average yearly precipitation ranges from 55.95 inches at Bon Wier in Newton County in the eastern part of 9.16 inches at El Paso in the extreme western part of the State; the yearly rainfall at these stations ranges from 36.21 to 81.92 inches at Bon Wier and 2.22 to 21.81 inches at El Paso. In 1951 the average precipitation was 21.09 inches or 6.61 inches below normal, although above-normal precipitation occurred in March, May, June, and September. The greatest precipitation in the year was 53.85 inches at Neuville in Shelby County; the least was 3.32 inches at Salt Flat in Hudspeth County. The greatest deficiency occurred at Conroe, 22.22 inches less than normal precipitation. A serious drought prevailed over most of the State, accentuated by a deficiency carried over from 1950.

### Interpretation of Water-Level Fluctuations

Southern High Plains. --Irrigation from wells in the High Plains of Texas was started in 1911. Development of the ground-water supply progressed slowly. In January 1937 only 500 wells were in use. During 1937 the number of wells doubled, and during the succeeding 6 years new wells were added at rates ranging from 120 to 480 wells a year. From 1943 to 1950 the accelerated rate of drilling new wells was phenomenal. During the 7-year period, 11,500 irrigation wells were added, and the total number of wells in use on January 1, 1951, was about 14,500. This represents more than 85 percent of the wells used for irrigation in Texas during 1950. About 14,000 of the irrigation wells in the High Plains are within 21 counties comprising about 6,815,000 acres, of which 27 percent, or 1,860,000 acres, was irrigated with ground water in 1950.

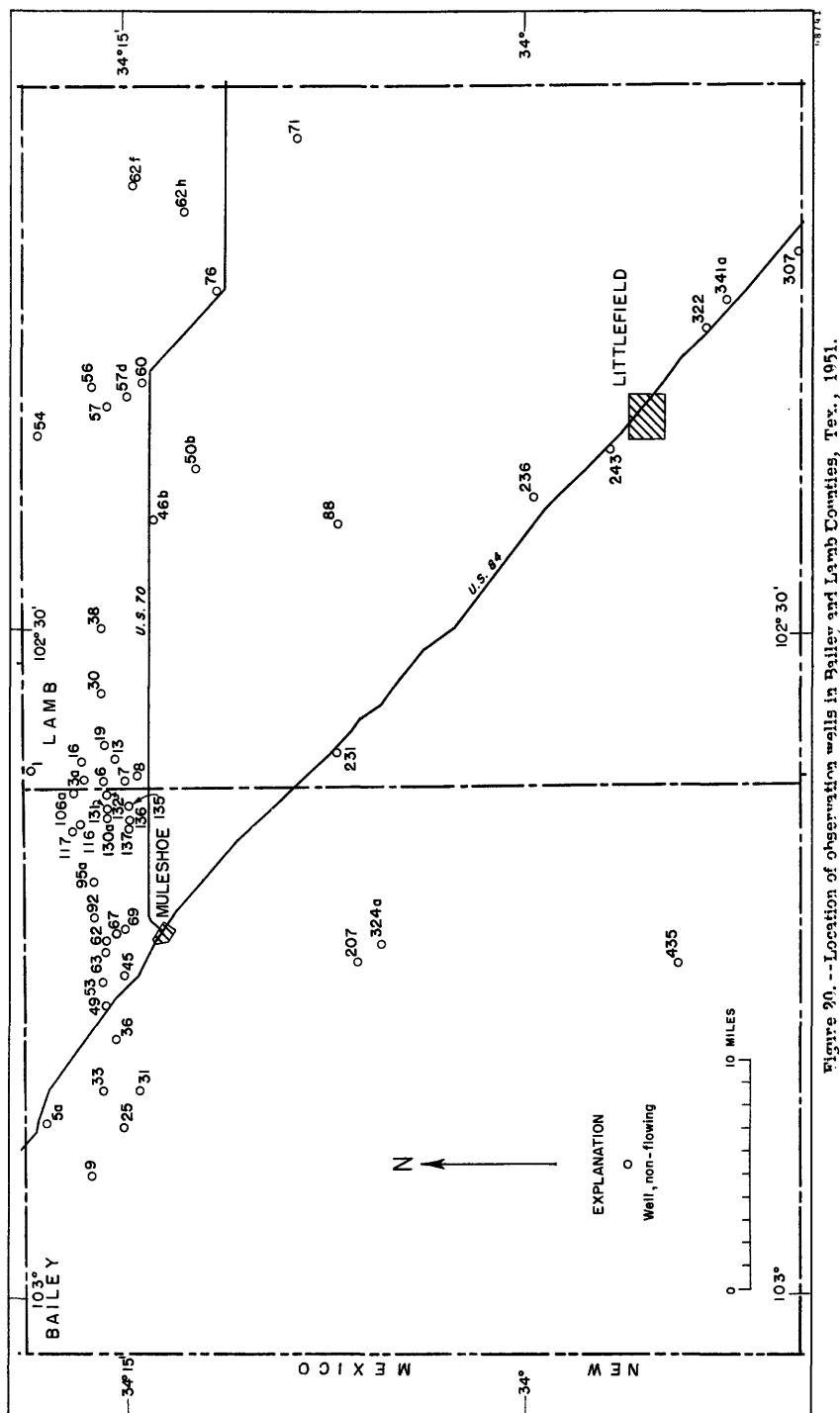
Water levels are measured in about 500 observation wells during the January-March period each year before heavy pumping begins. Hydrographs showing the fluctuations of water levels in most of the heavily pumped counties are shown in figure 35. The fluctuations of the water levels in wells correlate with pumping and variations in precipitation. For example, in 1941 and 1942, when precipitation was greatly above average and pumping was light, the water levels rose sharply in most of the observation wells. The average decline of the water levels in about 500 wells in the irrigated portion of the Southern High Plains from March 1949 to February 1950 was 0.8 foot. The average decline in 432 wells from February 1950 to January 1951 was 1.3 feet. The declines of water levels from 1938 to 1951 and from 1950 to 1951 are shown in figures 36 and 37 by lines of equal decline.

Winter Garden District. --The irrigation of vegetables has been in progress in the district for about 32 years. In more recent years citrus fruits, grain sorghum, cotton, and oats have been irrigated. Most of the vegetables are grown as a winter crop; the grain sorghum and cotton are grown during the summer; the oats are grown during the fall and winter primarily for grazing, and citrus fruits are irrigated mostly during the winter and spring. Most of the irrigation wells draw water from the Carrizo sand which crops out in western Dimmit County, eastern Maverick county, and western and northern Zavala County. In some localities the water from irrigation wells is supplemented by surface water from the Nueces River and impounding reservoirs on Pendergast, Turkey, and Comanche Creeks. Surface water is more economical to pump than ground water; therefore, the wells along the river and reservoirs are pumped very little or none during the wet years. Pumpage inventories indicate that the amount of water withdrawn from wells was as follows: 30,000 acre-feet in 1929-30; 28,000 acre-feet in 1937-38; and 58,500 acre-feet in 1947-48. From August 1947 through July 1948 the rainfall was 16.88 inches; from August 1948 through July 1949 the rainfall was 29.32 inches. As a result of the greater rainfall





Figure 19. --Location of observation wells in Deaf Smith, Randall, Parmer, Castro, Swisher, and Briscoe Counties, Tex.



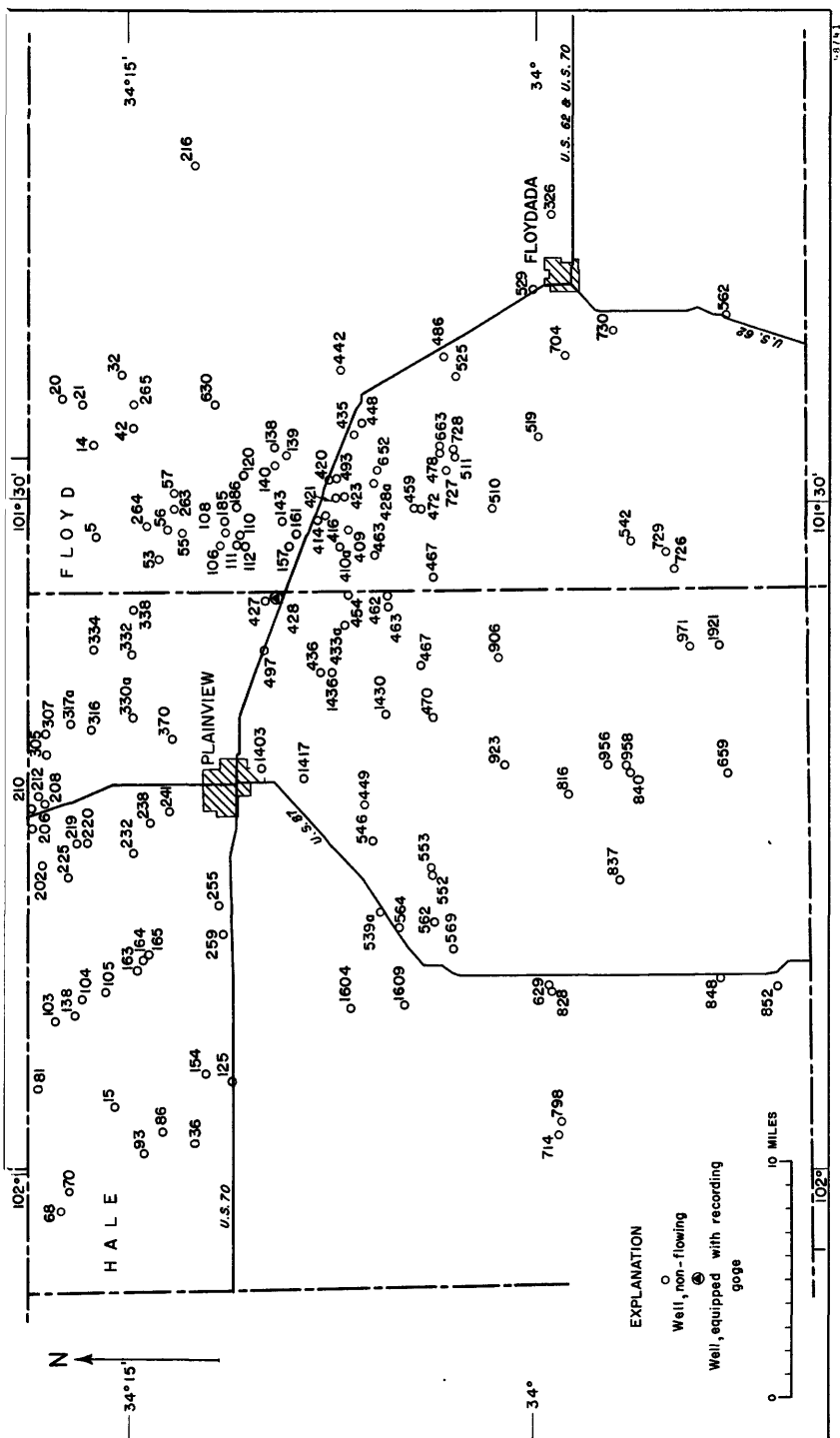


Figure 21. --Location of observation wells in Hale and Floyd Counties, Tex., 1951.

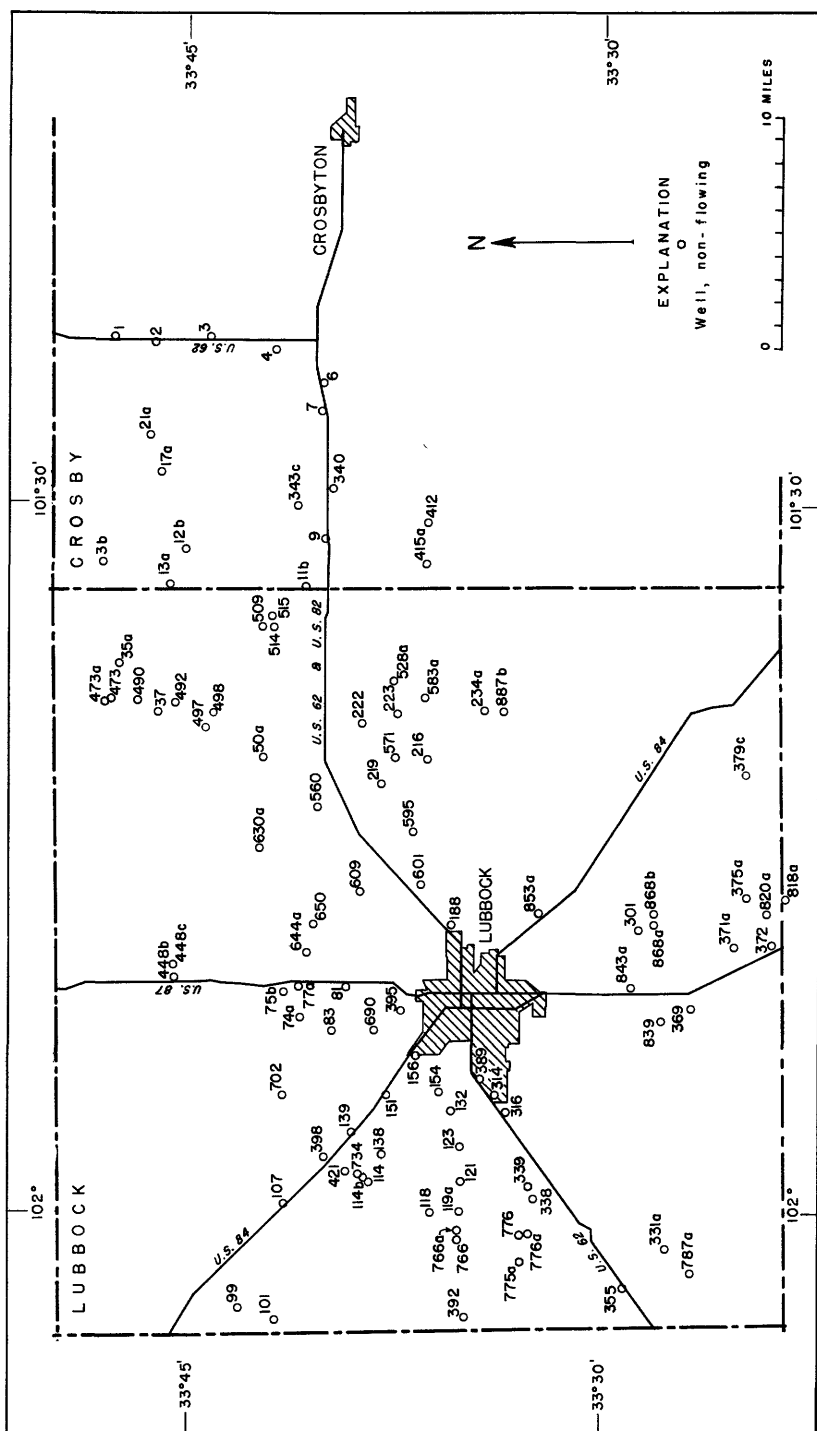


Figure 22. -- Location of observation wells in Lubbock and Crosby Counties, Tex., 1951.

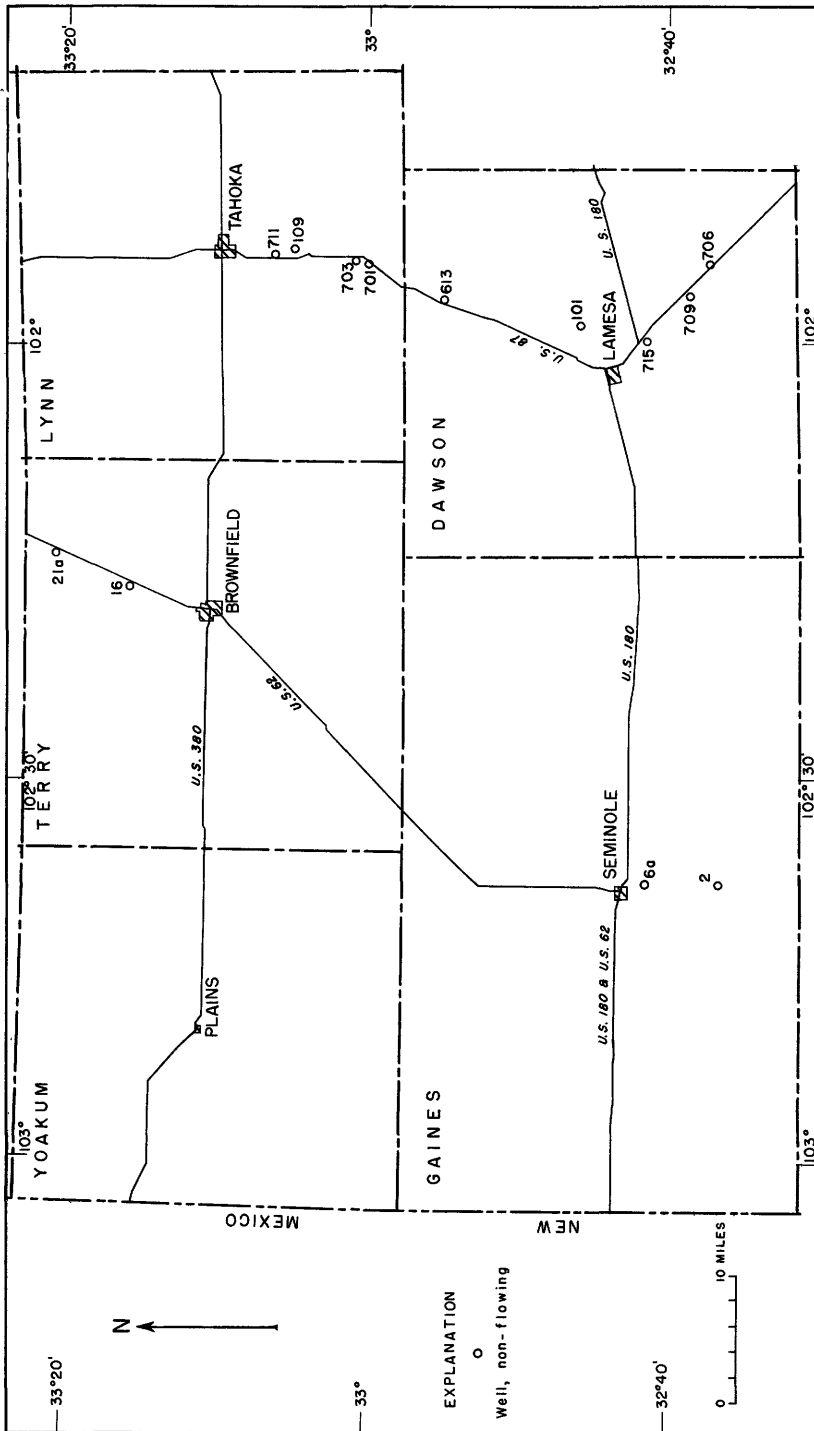


Figure 23. --Location of observation wells in Terry, Lynn, Gaines, and Dawson Counties, Tex., 1951.

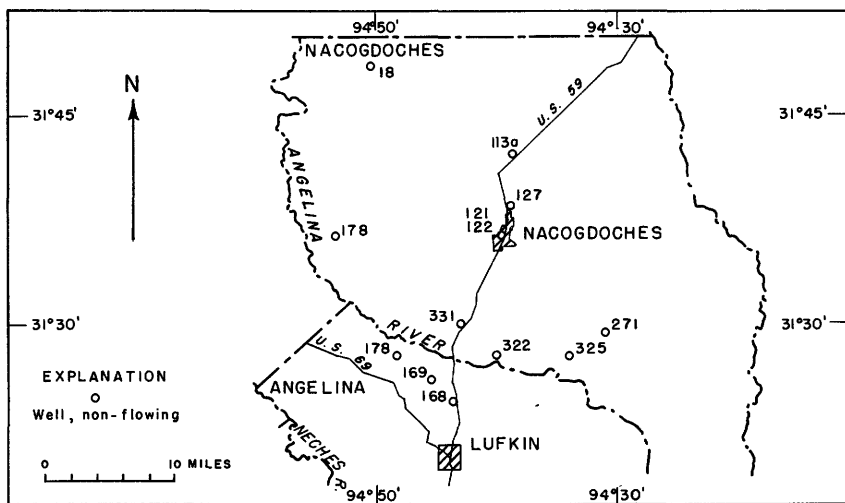
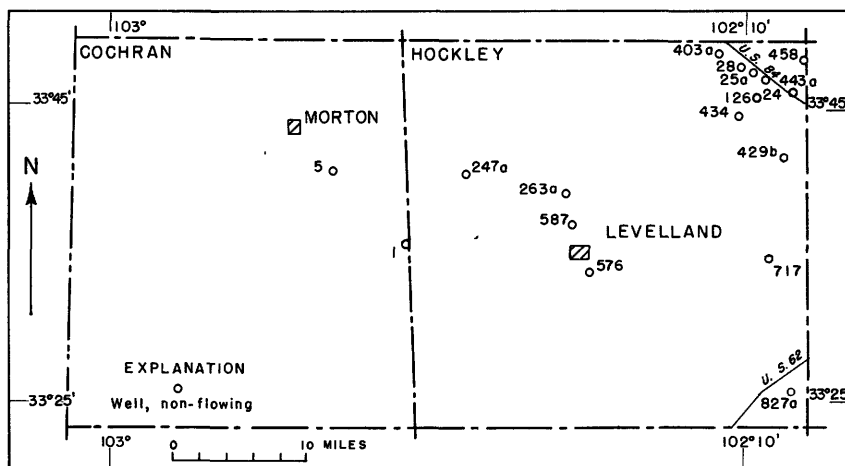
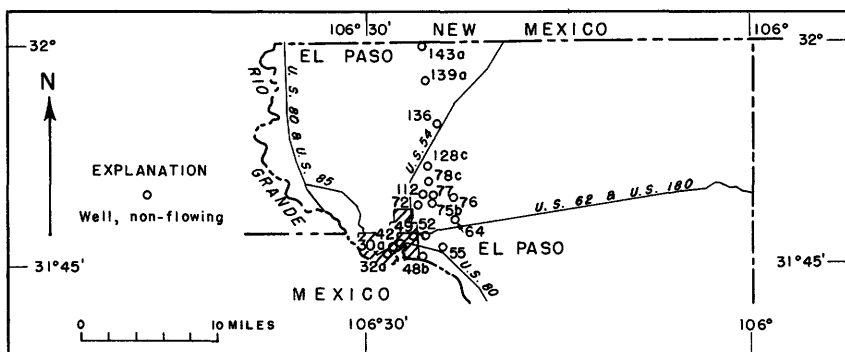


Figure 24. --Location of observation wells in El Paso, Cochran, Hockley, Nacogdoches, and Angelina Counties, Tex., 1951.

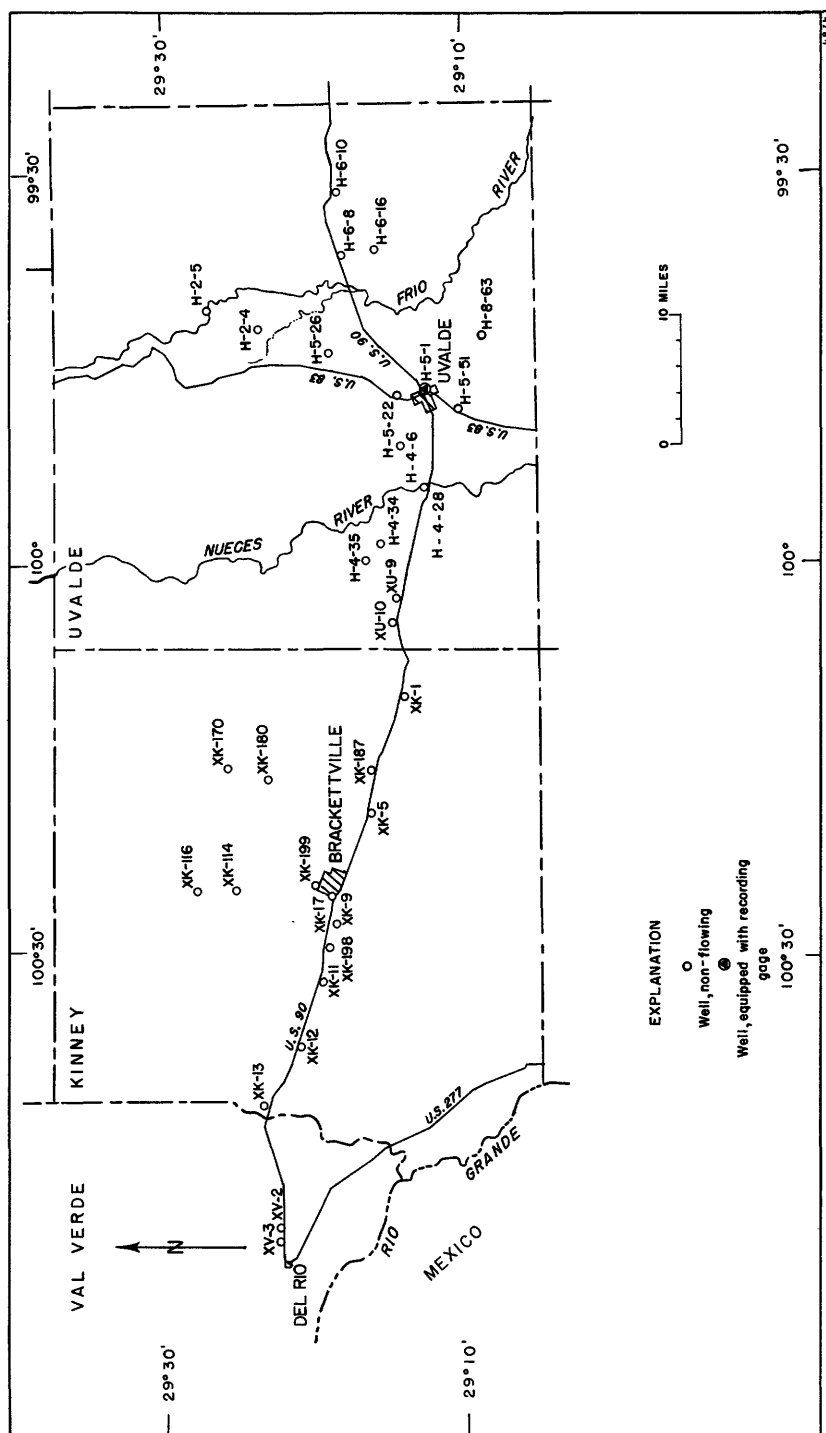


Figure 25. --Location of observation wells in Val Verde, Kinney, and Uvalde Counties, Tex., 1951.

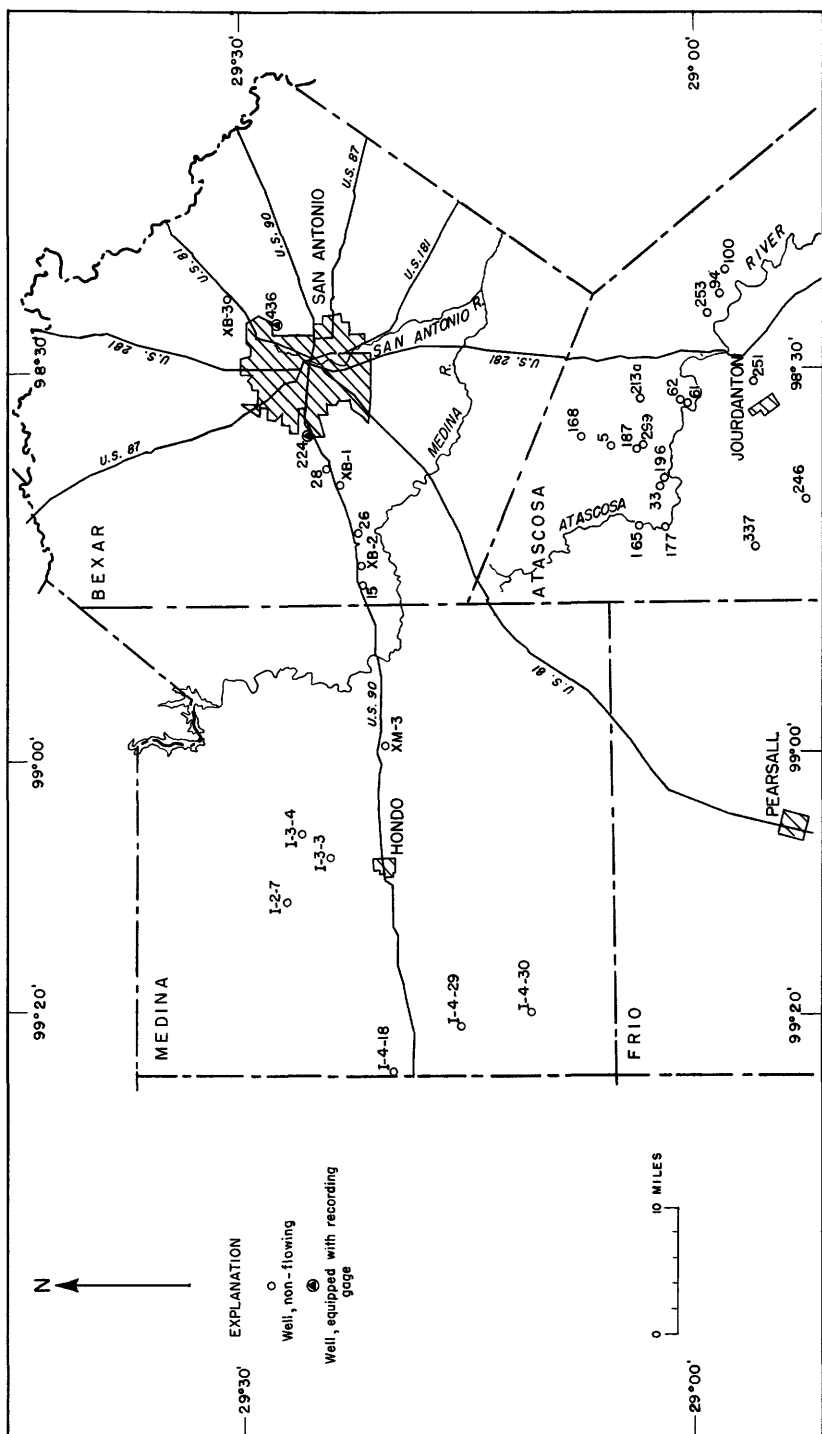


Figure 26. --Location of observation wells in Medina, Bexar, and Atascosa Counties, Tex., 1951.



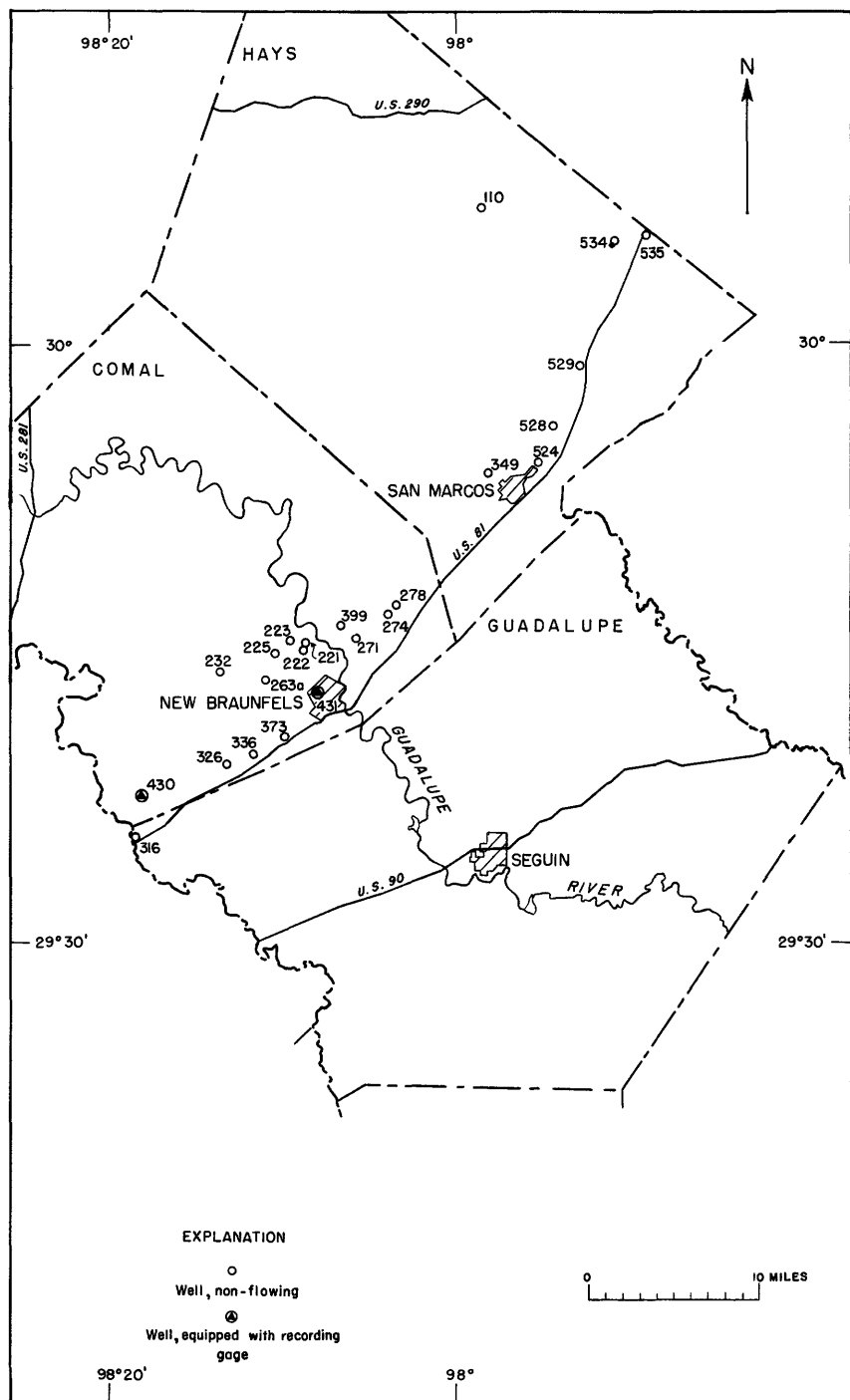


Figure 27. --Location of observation wells in Hays, Comal, and Guadalupe Counties, Tex., 1951.

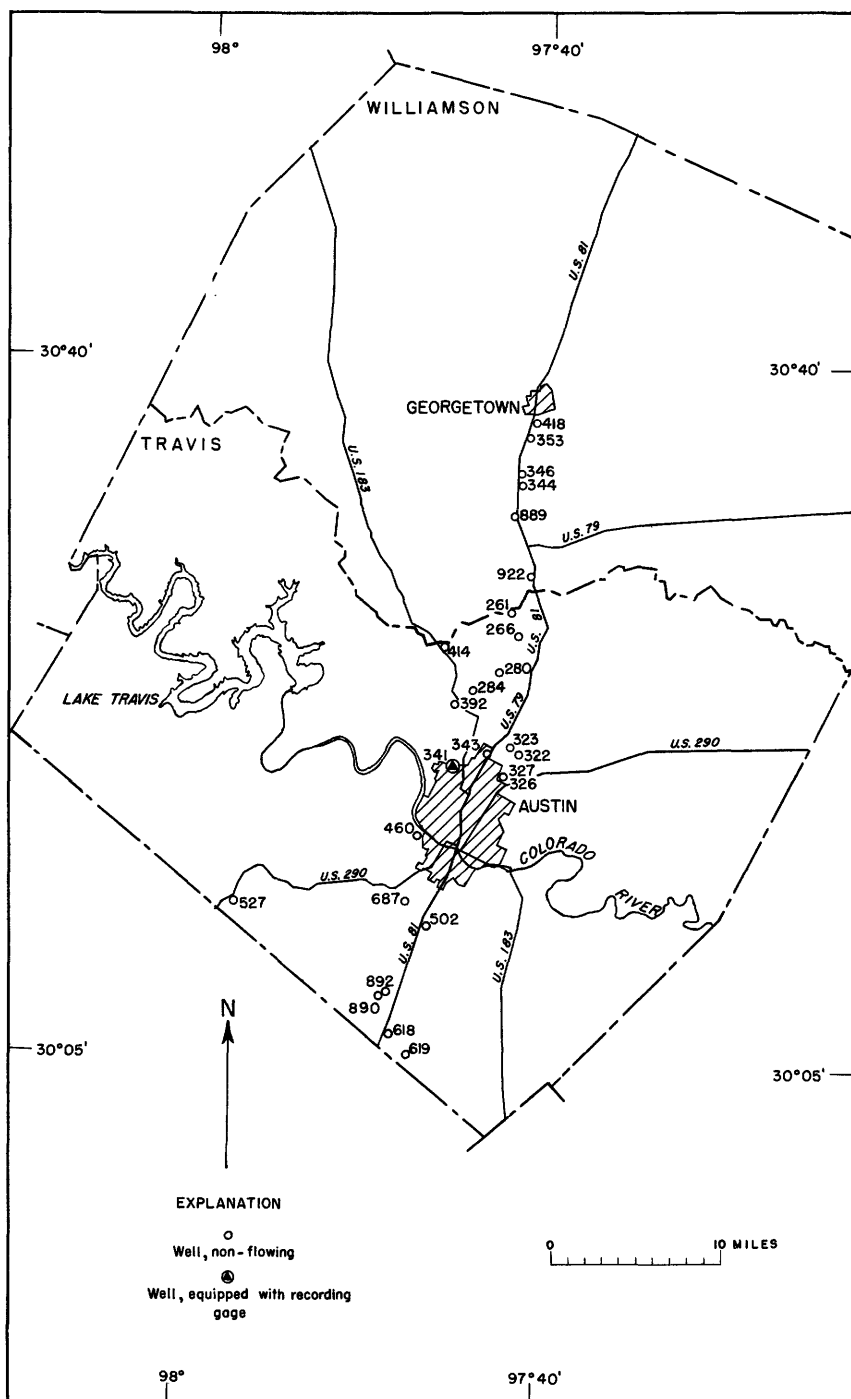


Figure 28. --Location of observation wells in Williamson and Travis Counties, Tex., 1951.

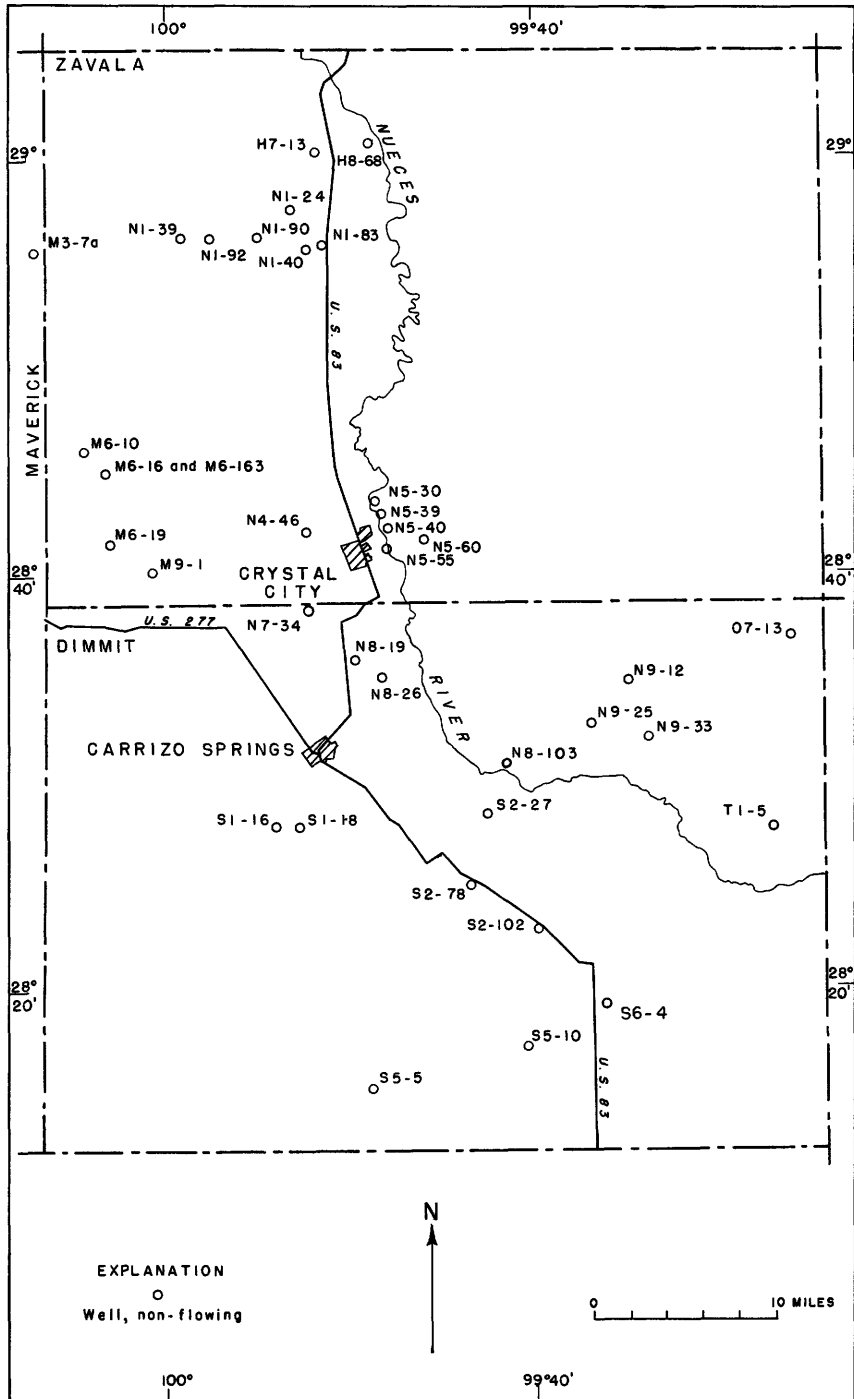


Figure 29. --Location of observation wells in Zavala and Dimmit Counties, Tex., 1951.

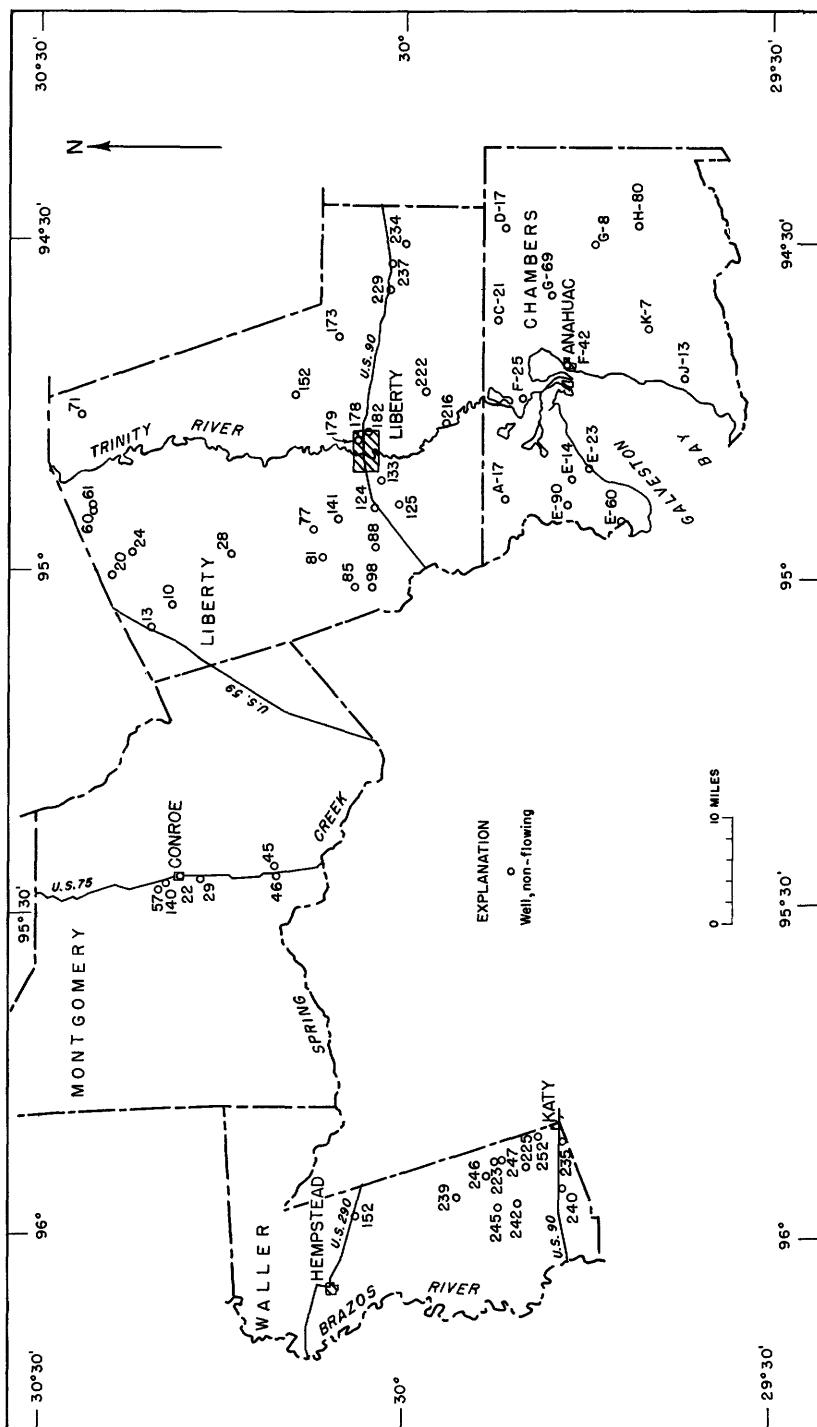


Figure 30. --Location of observation wells in Waller, Montgomery, Liberty, and Chambers Counties, Tex., 1951.

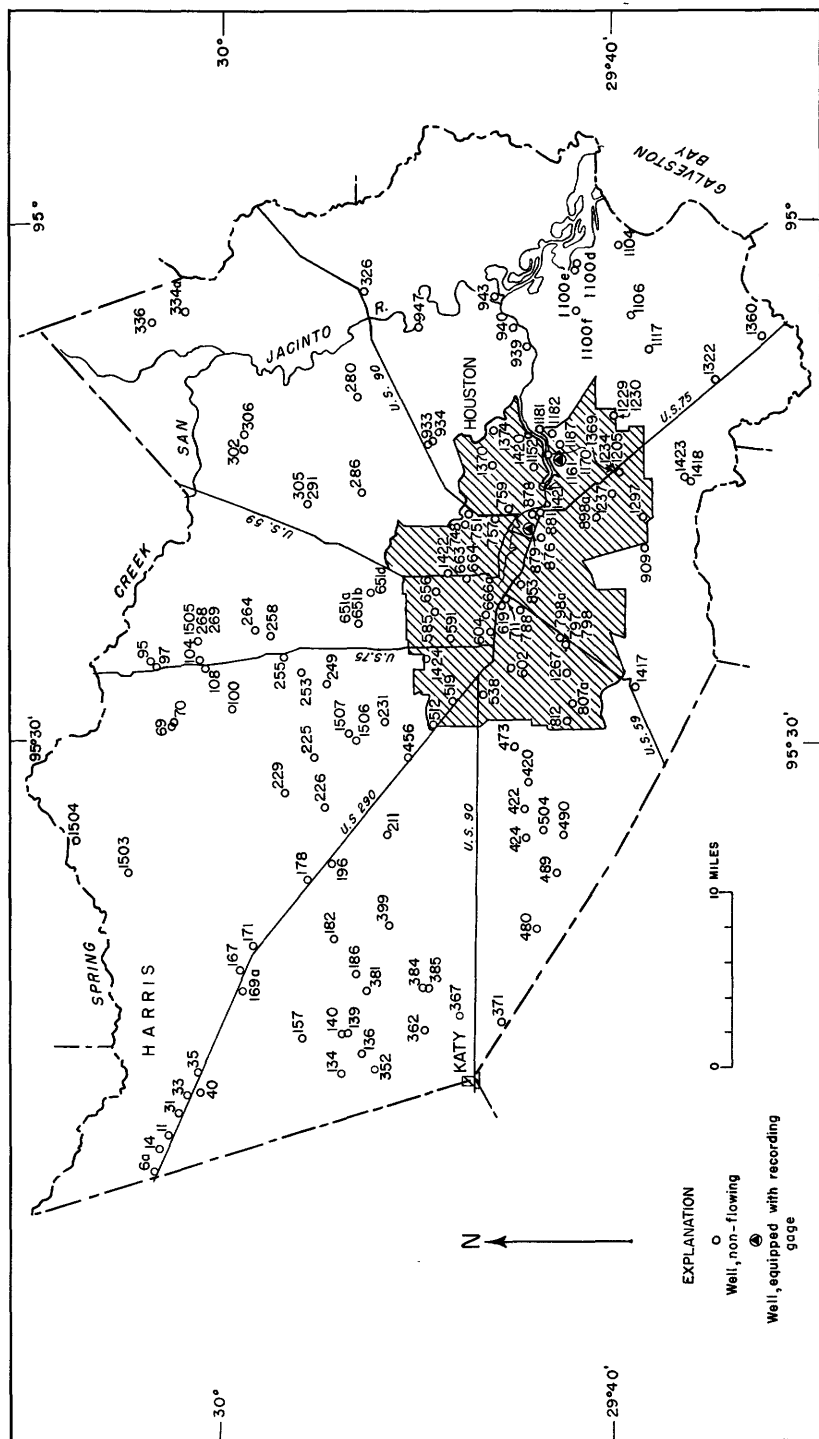


Figure 31. --Location of observation wells in Harris County, Tex., 1951.

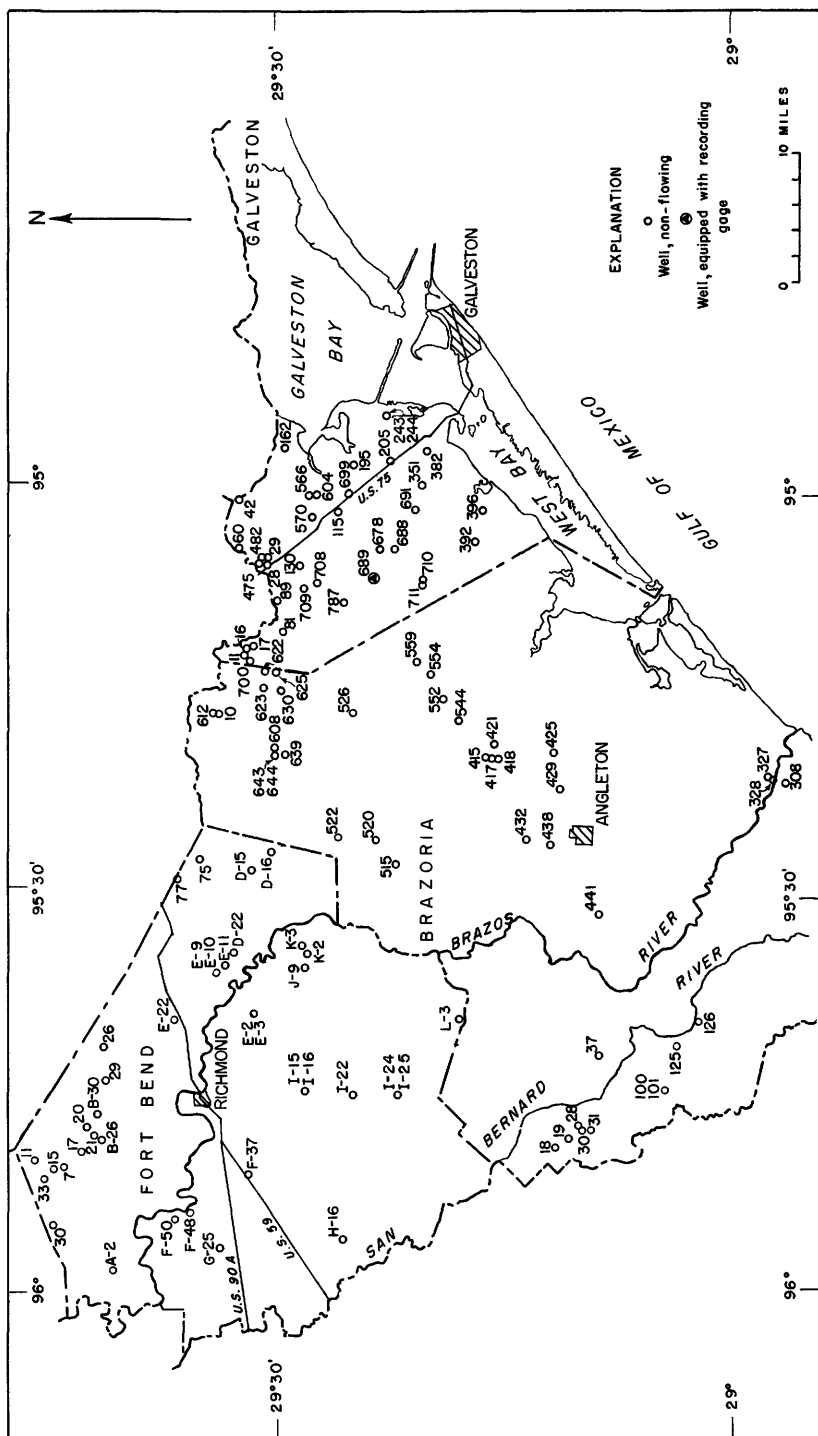


Figure 32. --Location of observation wells in Fort Bend, Brazoria, and Galveston Counties, Tex., 1951.

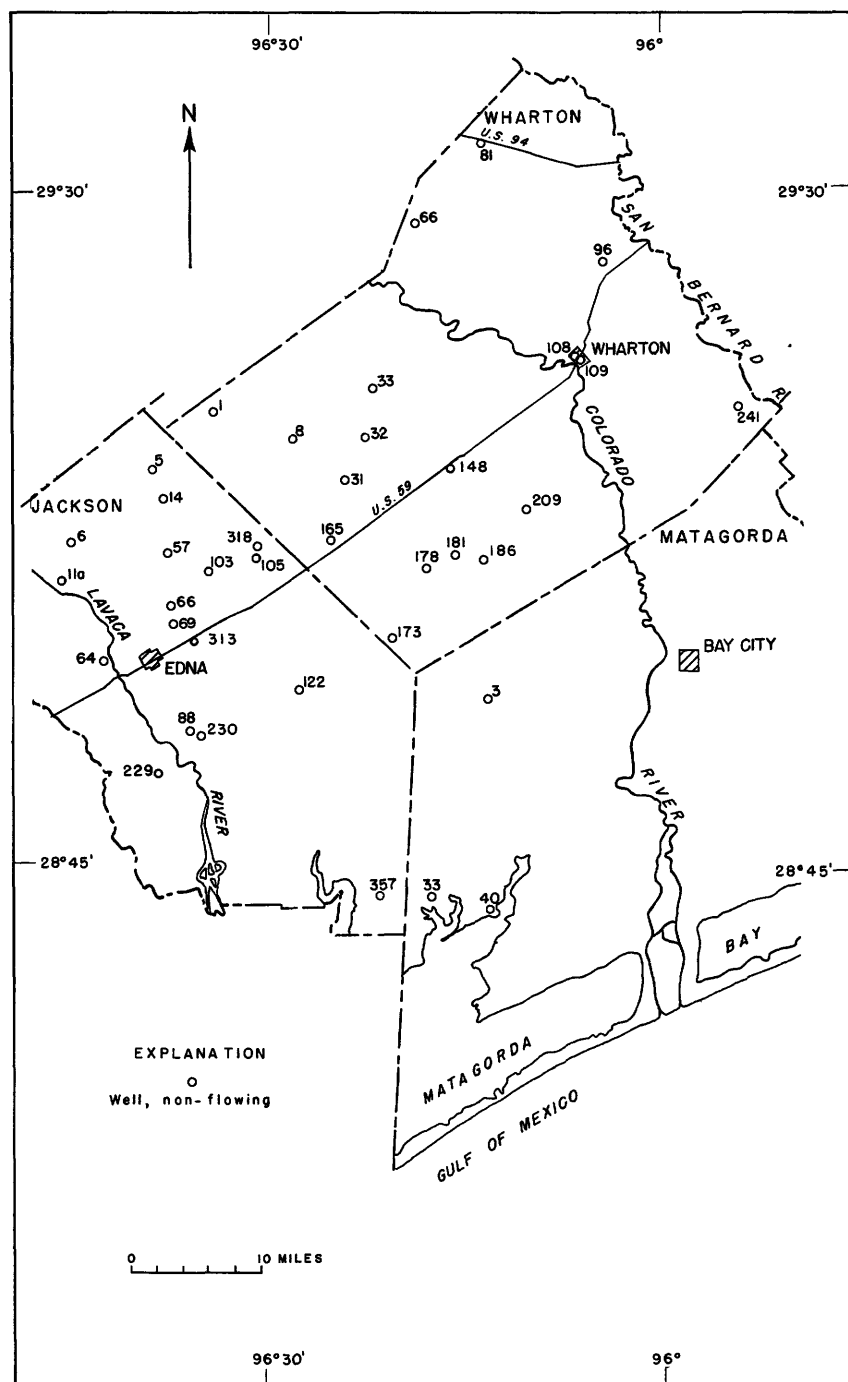


Figure 33.--Location of observation wells in Wharton, Jackson and Matagorda Counties, Tex., 1951.

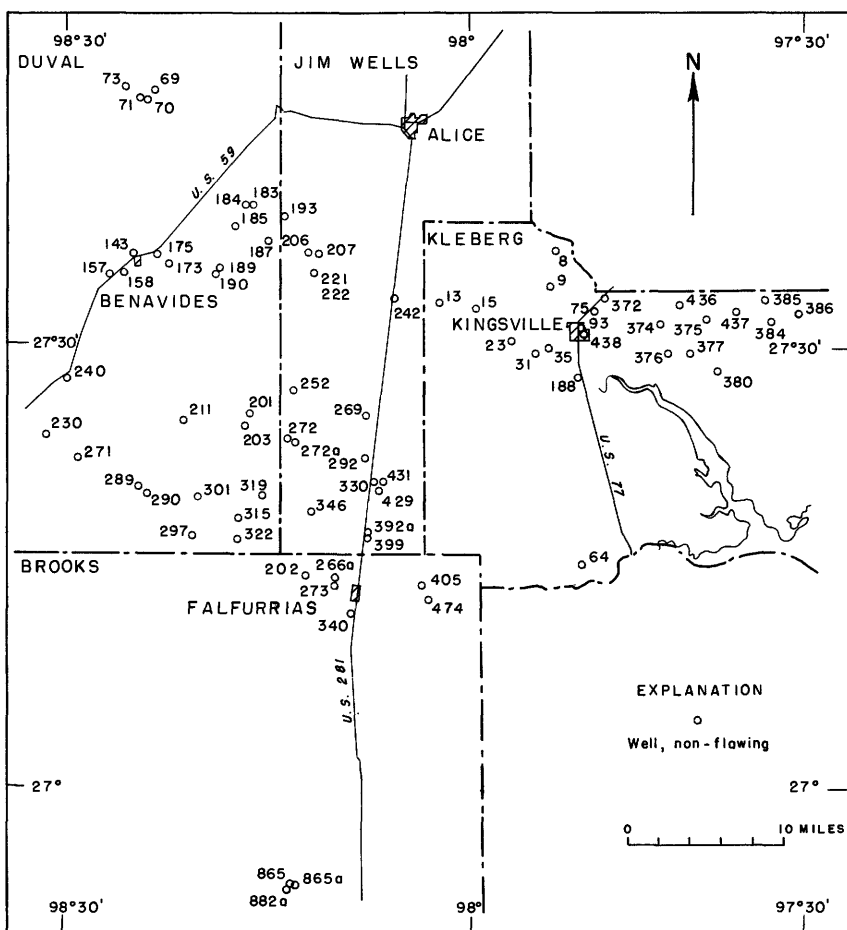
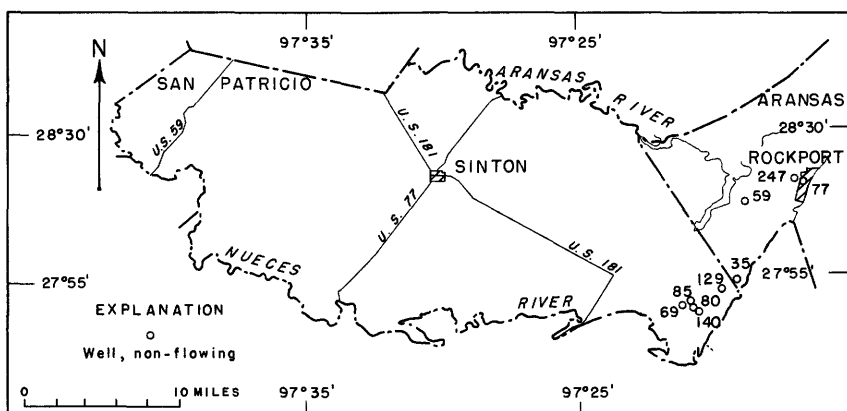


Figure 34. --Location of observation wells in San Patricio, Aransas, Duval, Jim Wells, Kleberg, and Brooks Counties, Tex., 1951.



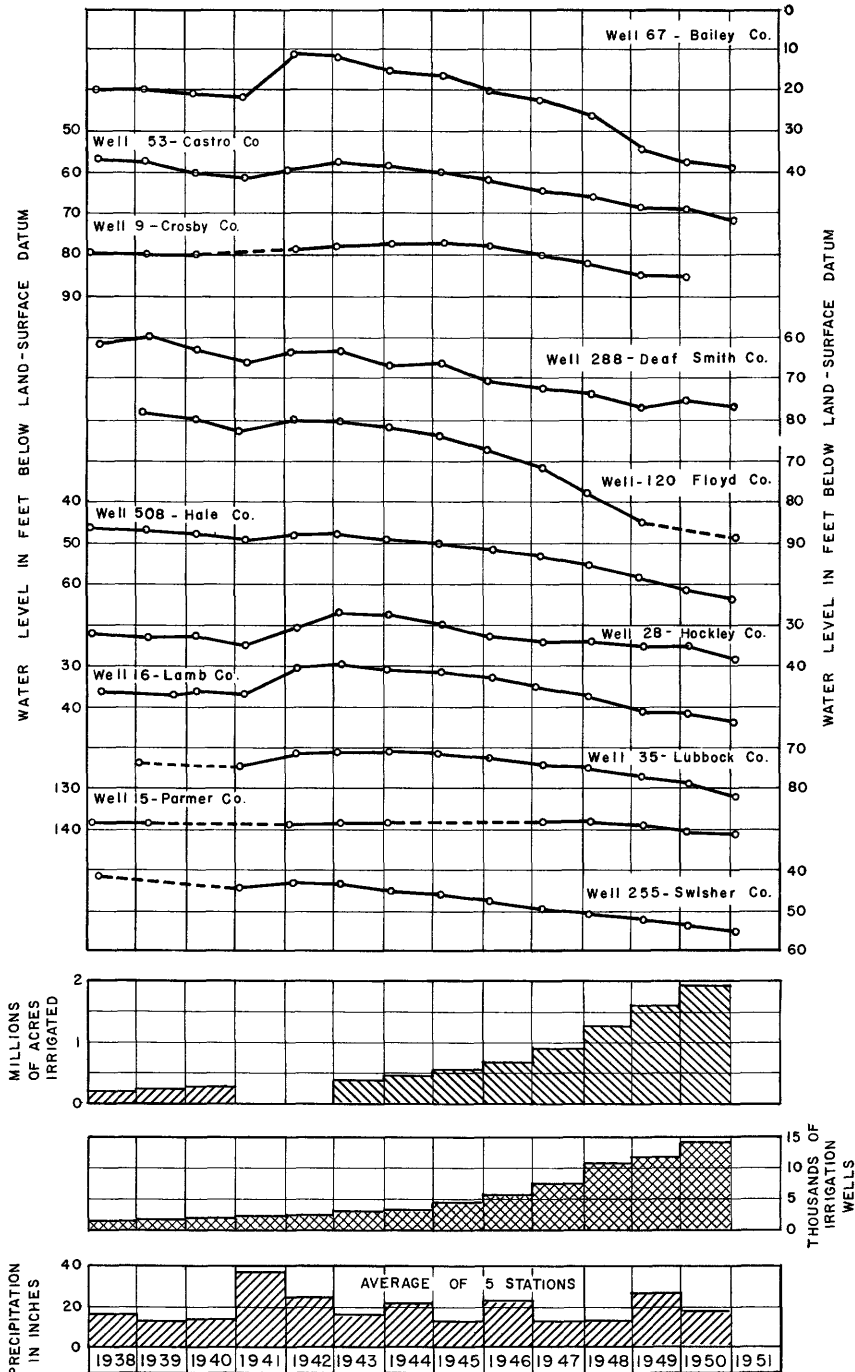


Figure 35. --Water levels in wells, acres irrigated, number of irrigation wells, and precipitation in the Southern High Plains of Texas, 1938-51.

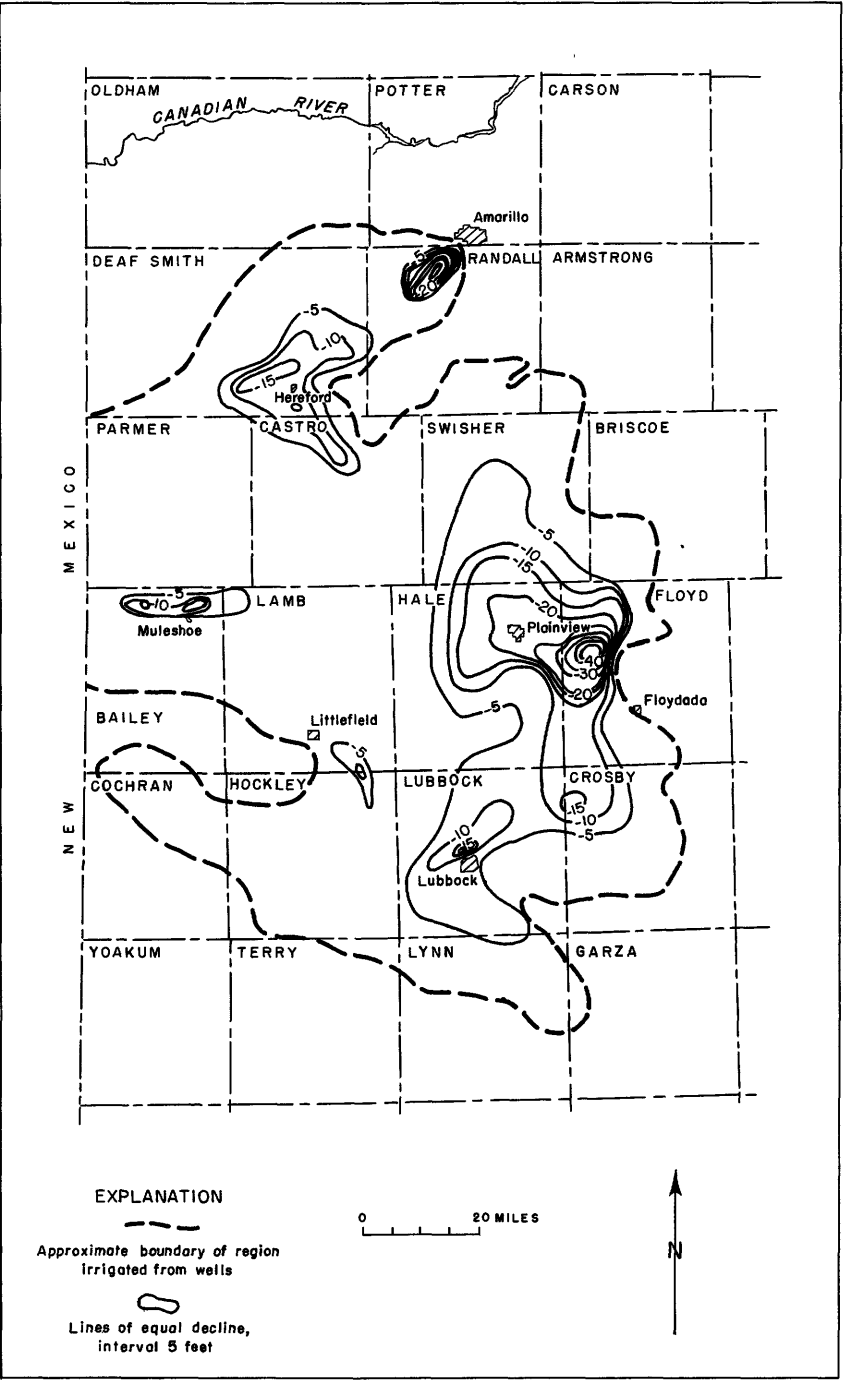


Figure 36. --Approximate decline of the water table in the Southern High Plains of Texas, March 1938 to February 1951.

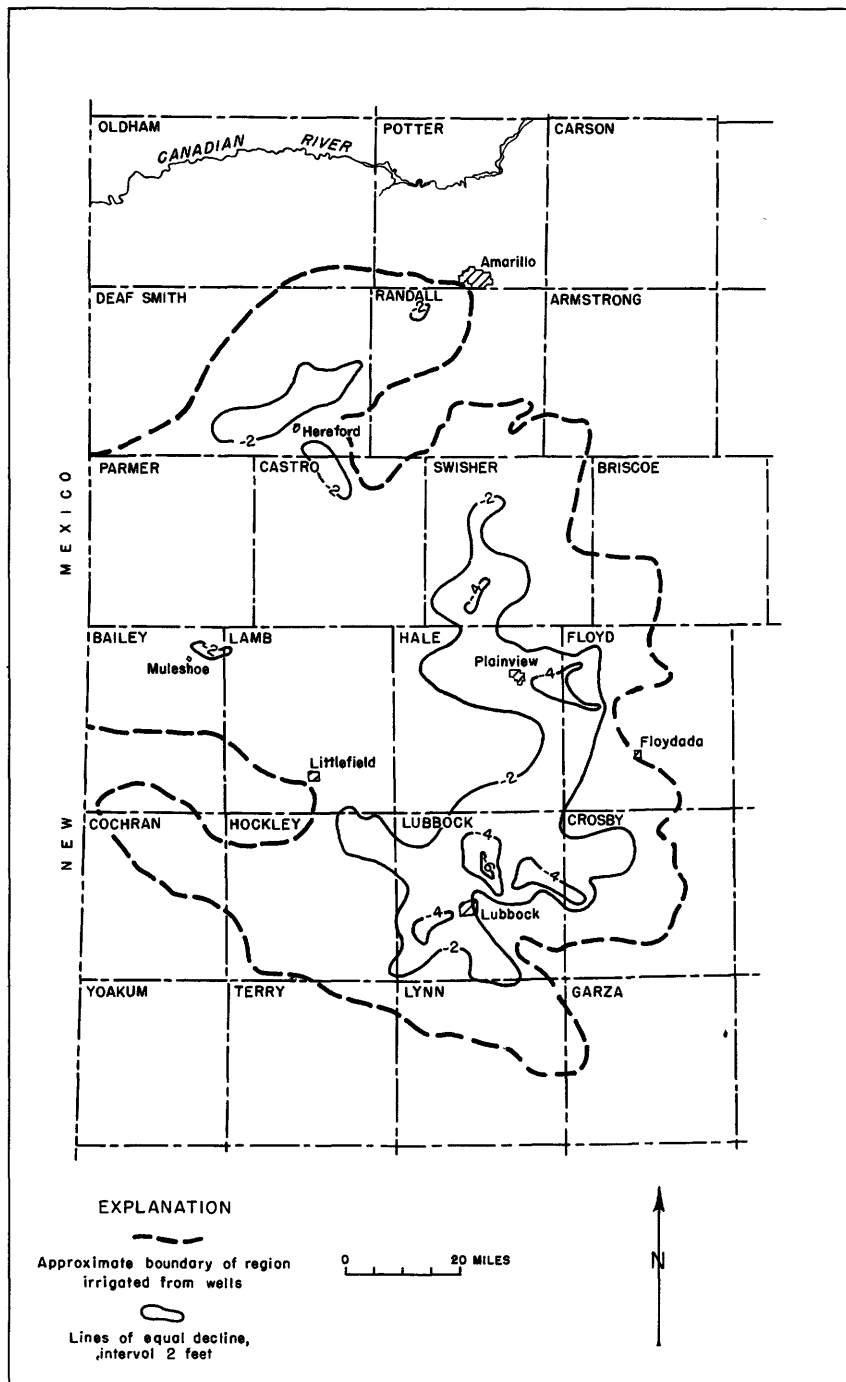


Figure 37.--Approximate decline of the water table in the Southern High Plains of Texas, February 1950 to February 1951.

in the 1948-49 period, pumpage of ground water was reduced. From August 1949 through July 1950 the rainfall was 26.09 inches, of which 13.18 inches fell during May, June, and July. During the following winter, only 4 inches fell from November through March. From August 1950 through July 1951 the rainfall was 16.63 inches, or about 10 inches less than the previous year, and of this only 0.94 inch of the rainfall occurred from October through March. The lack of rainfall during the winter seasons necessitated heavy winter pumping during both years. This accounts largely for the accelerated decline of water levels during the past 2 years. Water-level measurements have been made during July, August, and September during the season of least pumping. The table on page 159 shows the highest measurement recorded during the 3-month period. Some of the observation wells are in the heavily pumped areas; others are in the lightly pumped areas, the outcrop areas, or in areas remote from pumping.

**Houston-Galveston region.** --The Houston-Galveston region includes Harris County west of the San Jacinto River, parts of Fort Bend, Waller, and Montgomery Counties, and Galveston County. The region, excluding Galveston County, is known as the Houston district. Large quantities of ground water are pumped for industrial and municipal purposes in the Houston-Pasadena area and for irrigation of rice in the Katy area west of Houston. The wells of the Houston region draw water from sands that crop out from 20 to 50 miles west, northwest, and north of Houston. About 290 observation wells are measured at irregular intervals. To simplify the discussion of water-level fluctuations, the region is divided into three general areas designated the Houston-Pasadena area, the Katy rice-growing area, and the Galveston area.

The following table gives the estimated average daily withdrawal of ground water in the Houston-Pasadena area and the Katy area.

Average daily pumpage in Houston-Pasadena and Katy areas  
(millions of gallons a day)

	1930	1935	1937	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
Houston Water Dept. (from city records)	25.8	24.5	25.2	28.8	27.2	30.5	35.2	39.5	43.2	51.3	55.8	60.9	60.4	64.2
Independent public supplies and small industrial wells	14	14	16	17	16	18	20	21	21	22	24	24	30	27
Pasadena industrial wells	10	10	29	33	34	36	39	47	48	50	55	61	60	65
Sub-total for Houston-Pasadena area	50	49	70	79	77	85	94	108	112	123	135	146	150	156
Katy area	18	14	30	45	23	38	52	55	50	60	75	120	98	98
Total for Houston district	68	63	100	124	100	123	146	163	162	183	210	266	248	254

The withdrawal of ground water in the Houston district averaged 254 million gallons a day in 1950 as compared to 248 million gallons a day in 1949. (See fig. 38.) The largest increase was in the Pasadena area where the pumpage increased from 60 million to 65 million gallons a day. The Houston Water Department increased its pumpage from 60,400 gallons a day in 1949 to 64,200,000 gallons a day in 1950. The pumpage from small industrial and suburban public supply wells decreased from 30 million to 27 million gallons a day during the same period. In the Katy area the average daily pumpage was 98 million gallons in 1950, which was about the same as it was in 1949. Inasmuch as the increase in pumpage from 1949 to 1950 was concentrated in the Pasadena industrial area and in the Houston municipal well fields, the greatest declines of artesian pressure occurred in those areas. Declines of artesian pressure in wells from 1950 to 1951 averaged 15.9 feet within 5 miles of Pasadena and the recorded decline was 23.9 feet. See hydrographs of wells 619 and 1170, figure 39. The increase in withdrawal from the Houston municipal wells was largely from newer wells that penetrate sands deeper than those in the older well fields. Consequently, large declines were recorded between 1950 and 1951 in the new deep wells in northern and central part of Houston. Much smaller declines were recorded in wells that draw only from the shallower sands. The rate of decline of artesian pressure in the Katy rice-irrigation area in 1950 was less than in 1948 and 1949.

Prior to 1944 there was a persistent decline of water levels in Galveston County as a result of heavy pumping in the Texas City industrial area and in the Alta Loma well field of the city of Galveston. The rate of decline decreased from 1944 to 1947, and at Texas City the artesian pressure became almost stationary as the cone of depression caused by the pumping became flatter and larger each year. Pumpage in 1948 was curtailed appreciably at Texas City as a result of a surface-water supply being made available for industrial use. The water levels in the deeper wells in the industrial area recovered about 35 feet by 1950 and little change took place during 1951. The water levels in the old Galveston well field at Alta Loma rose about 12 feet from June 1948 to November 1950 and changed very little during 1951. In the new well field there were only small declines between 1948 and 1951. In the northern and northwestern parts of Galveston County the water levels continued to decline slowly, the rate of decline decreasing each year from 1948 to 1950 but increasing again in 1951.

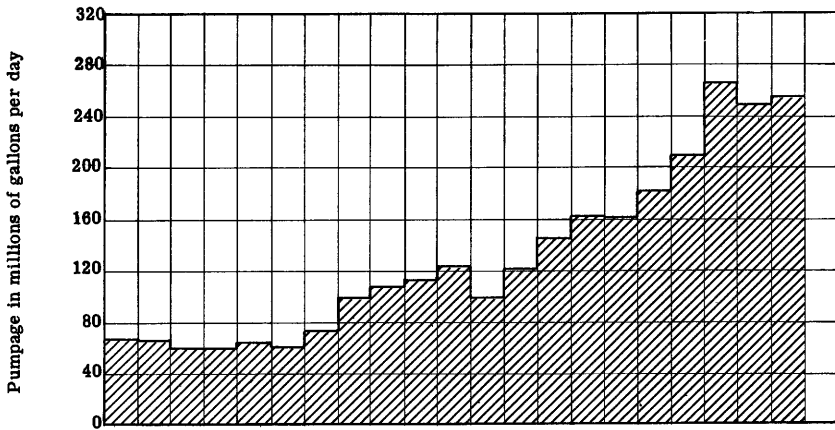


Figure 38. --Average daily pumpage in the Houston, Texas, district, 1930-51.

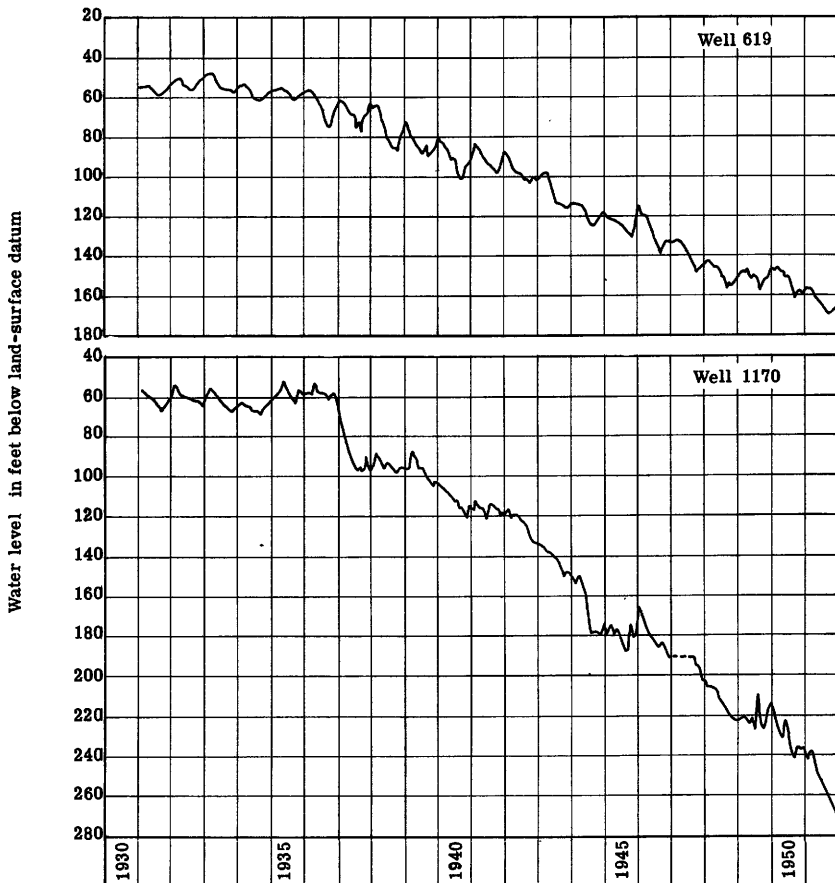


Figure 39. --Water levels in wells 619 and 1170 in the Houston, Texas, district, 1930-51.

Angelina and Nacogdoches Counties. --Most of the water used for public supply and industrial purposes in Angelina and Nacogdoches Counties is pumped from the Carrizo sand by the cities of Lufkin and Nacogdoches and the Southland Paper Mills, Inc. Most of the domestic and stock water is obtained from shallow wells that do not reach the Carrizo sand. Figure 40 shows graphically the average daily pumpage of water from the Carrizo sand and the resulting fluctuations in artesian pressure caused by pumping.

Falfurrias-Kingsville region. --Most of the water levels in the Falfurrias-Kingsville area were at or near record lows in February 1951. Most of the exceptions were water-table wells on the outcrop or wells influenced by shifts in local pumping. For a number of years there has been irrigation of citrus fruits and winter garden vegetables in Jim Wells and Brooks Counties. A gasoline plant southwest of Premont, a Naval Air Base southeast of Kingsville, and a celanese plant north of Kingsville were put in operation in 1943. These plants at first used large quantities of ground water. In 1945 the Naval Air Base was closed. In 1948 the celanese plant started using surface water for a part of its supply. These changes somewhat relieved the demand for ground water locally, but in the area as a whole large quantities of ground water are still used for irrigation, industrial, municipal, and domestic supplies.

Balcones Fault Zone. --Observation wells that draw water from the Glen Rose limestone, Edwards limestone, Austin chalk, and younger formations are located along the Balcones Fault zone from Del Rio eastward through San Antonio and then northward to Georgetown. The wells are in Val Verde, Kinney, Uvalde, Medina, Bexar, Guadalupe, Comal, Hays, Travis, and Williamson Counties. The following table summarizes the changes in the water level between December of 1950 and 1951. Water level in well 436, Bexar County, is shown in figure 41.

County	Number of wells	Average decline	Number of wells in which water level rose	Number of wells in which water level declined
<u>Wells drawing from Edwards limestone</u>				
Val Verde	2	3.23	0	2
Kinney	7	5.13	2	5
Uvalde	7	12.23	0	7
Medina	6	16.68	0	6
Bexar	37	11.62	0	37
Comal	9	2.87	0	9
Hays	9	1.30	1	8
Travis	6	2.84	0	6
<u>Wells drawing from Glen Rose limestone, Austin chalk, or younger formations</u>				
Kinney	5	5.74	2	3
Uvalde	6	3.28	1	5
Medina	1	1.02	0	1
Bexar	1	22.85	0	1
Hays	15	2.73	3	12
Travis	3	.25	1	2

#### Acknowledgments

Part of the Briscoe County measurements were made by the Soil Conservation Service, Department of Agriculture. Part of the measurements in Angelina and Nacogdoches Counties were made by personnel of the Southland Paper Mills, Inc. All measurements in well 1170, Harris County were made by personnel of the Houston Lighting and Power Company. Two recording gages in San Antonio are maintained by the City Water Board.

#### Well-Numbering System

Three well numbering systems have been used in Texas: (1) Wells numbered consecutively beginning with 1 in upper left corner of the map and progressing back and forth across the map; (2) a grid system using a letter and a number to identify the grid followed by consecutive well numbers in each grid; (3) a grid system using a letter to identify the grid followed by consecutive well numbers in each grid.

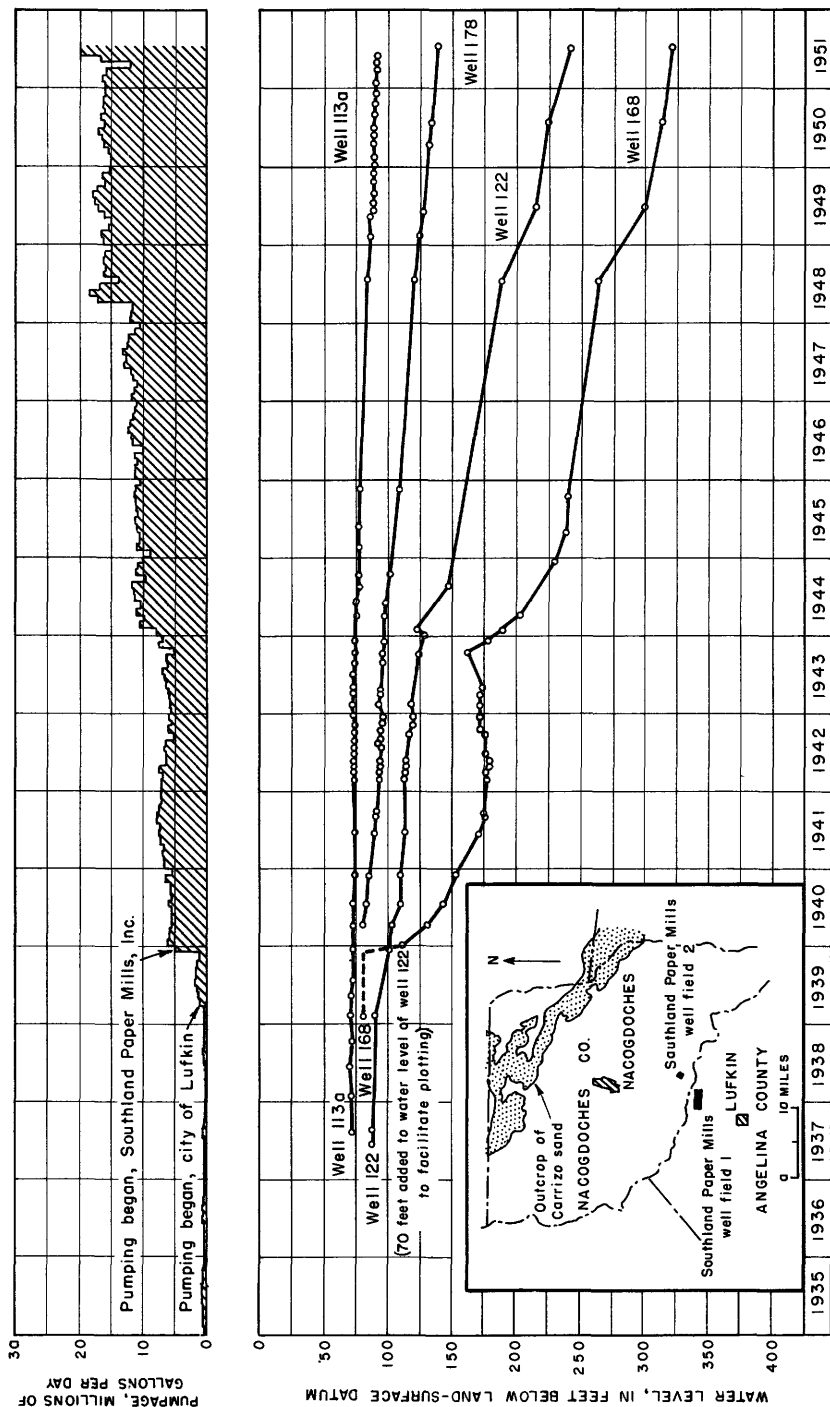


Figure 40. -- Withdrawal of ground water and decline of artesian head in Angelina and Nacogdoches Counties, Tex., 1935-51.

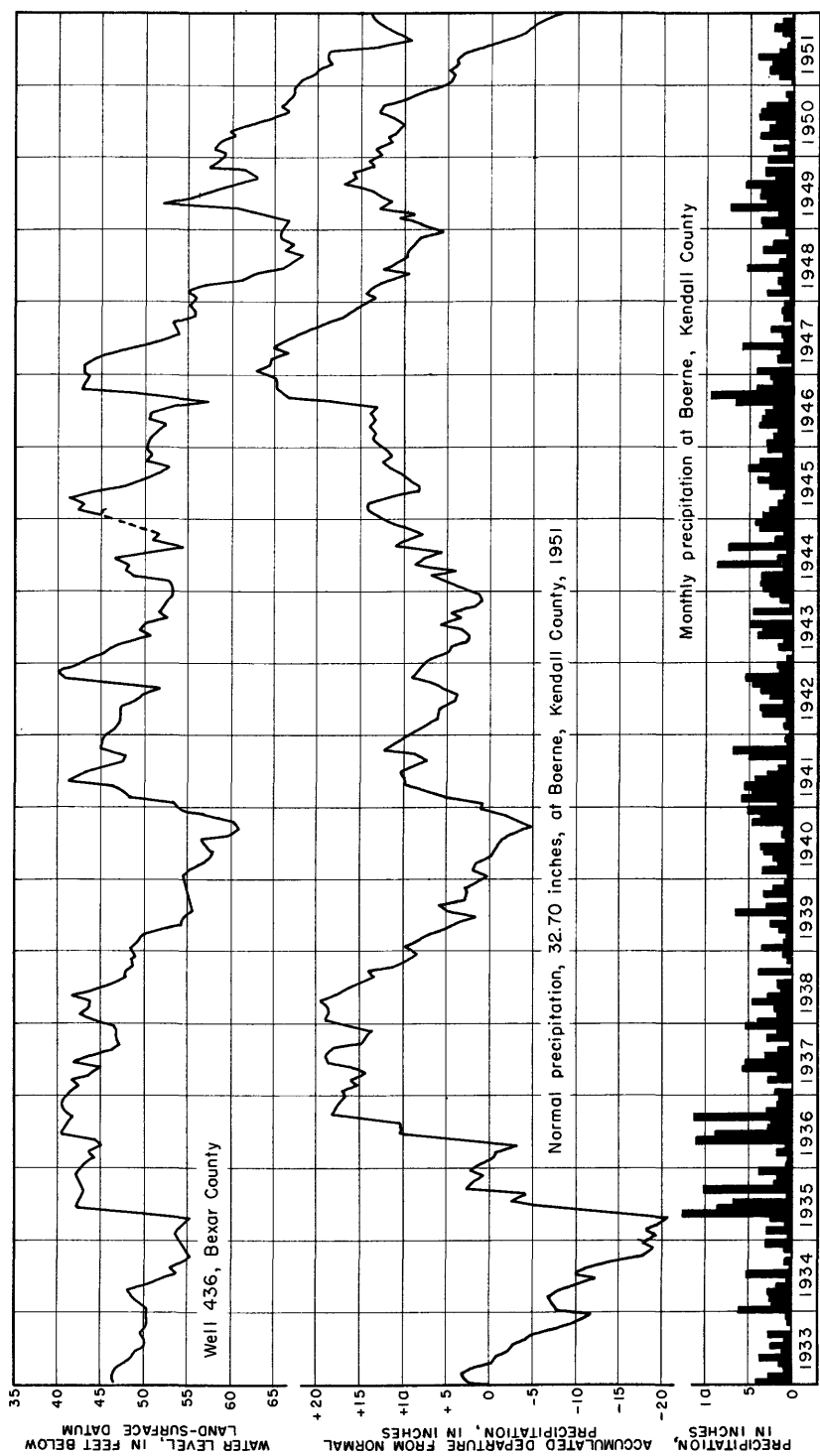


Figure 41. --Water level in well 436, Bexar County, accumulated departure from normal precipitation, and precipitation at Boerne, Kendall County, Tex., 1933-51.





## Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Angelina County

168. City of Lufkin. Near Redland School. Lat. 31°24', long. 94°43'. Drilled public-supply artesian well in Carrizo sand, diameter 16 to 8 inches, depth 1,170 feet, screen at 1,058-1,170. Highest water level 81.0 below lsd, Feb. 5, 1939; lowest 319.02 below lsd, July 18, 1951. Records available: 1939-45, 1948-51. July 18, 319.02.

169. Gulf Pipe Line Co. Lat. 31°26', long. 94°45'. Drilled industrial artesian well in Carrizo sand, diameter 6 to 4 inches, depth 959 feet, screen at 820-848. Highest water level 37.0 above lsd, Oct. 23, 1939; lowest 145.05 below lsd, July 16, 1951. Records available: 1939-46, 1948-51. July 16, 145.05.

178. Southland Paper Mills, Inc., well CW16-0. Lat. 31°27', long. 94°48'. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 1,077 feet, screen at 850-860 and 931-941. Land-surface datum is 255 feet above msl. Highest water level 65.42 below lsd, Dec. 26, 1947; lowest 128.82 below lsd, July 16, 1951. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 26, 1947	65.42	Apr. 15, 1948	83.68	May 31, 1949	108.27	Nov. 17, 1950	123.06
Jan. 20, 1948	81.00	June 15	89.51	June 22	109.75	Mar. 2, 1951	124.55
Feb. 2	80.12	Aug. 24	94.41	Jan. 12, 1950	112.38	July 16	128.82
Mar. 23	83.10	Dec. 21	100.40	July 24	120.52	Dec. 13	131.04
Apr. 2	83.18	Feb. 11, 1949	102.94				

Aransas County

35. W. S. Kirby. In Aransas Pass. Lat. 27°54', long. 97°08'. Drilled domestic water-table well in sand, diameter 4 inches, depth 39 feet. Land-surface datum is 10.18 feet above msl. Highest water level 5.43 below lsd, May 16, 1941; lowest 15.60 below lsd, Apr. 19, 1939. Records available: 1939-42, 1945, 1947, 1949-51. Nov. 20, 7.24.

59. E. F. Barber. Lat. 28°00', long. 97°07'. Drilled farm artesian well in sand, diameter 3 inches, depth 97 feet. Land-surface datum is 11.41 feet above msl. Highest water level 7.72 below lsd, Nov. 20, 1947; lowest 11.00 below lsd, May 16, 1939. Records available: 1939-42, 1945, 1947, 1949-50. No measurement made in 1951.

77. H. G. Smith. In Rockport. Lat. 28°01', long. 97°03'. Drilled domestic artesian well in sand, diameter 4 inches, depth 58 feet. Land-surface datum is 10.36 feet above msl. Highest water level 2.69 below lsd, Nov. 16, 1949; lowest 16.30 below lsd, June 19, 1939. Records available: 1939-42, 1945, 1947, 1949-51. Nov. 20, 4.13.

247. G. M. Broach. Lat. 28°01', long. 97°04'. Drilled farm water-table well in sand, diameter 4 inches, depth 29 feet. Land-surface datum is 16.59 feet above msl. Highest water level 2.59 below lsd, Nov. 16, 1949; lowest 8.62 below lsd, Aug. 6, 1940. Records available: 1940-42, 1945, 1947, 1949-51. Nov. 20, 4.15.

Atascosa County

Measurement discontinued in wells 17, 68, 72, 91, 169, 209, 214, 226, and 342.

5. H. Koehler. Lat. 29°05', long. 98°36'. Drilled irrigation well in Carrizo sand, diameter 10 inches, depth 450 feet, casing slotted at 410-450. Highest water level 50.0 below lsd, 1931; lowest 63.30 below lsd, June 27, 1951. Records available: 1931, 1944-45, 1948-51. June 27, 63.30.

33. C. E. Simmons. Lat. 29°02', long. 98°39'. Drilled irrigation well in Carrizo sand, diameter 8 inches, depth 800 feet. Highest water level 18.0 below lsd, July 19, 1940; lowest 34.49 below lsd, July 9, 1951. Records available: 1940, 1944, 1949-51. July 9, 34.49.

61. R. B. Fischer. Lat. 29°00', long. 98°32'. Drilled domestic artesian well in Carrizo sand, diameter 6 inches, depth 1,010 feet, cased to 850. Highest water level 28 above lsd, Jan. 1, 1925; lowest 4.41 below lsd, July 10, 1951. Records available: 1925-26, 1944, 1948-51. July 10, 4.41.

62. R. B. Fischer. Lat. 29°00', long. 98°32'. Drilled irrigation artesian well in Carrizo sand, diameter 8 inches, depth 1,090 feet, casing slotted at 1,050-1,090. Highest water level 8.0 above lsd, June 1, 1938; lowest 5.91 below lsd, July 10, 1951. Records available: 1937-41, 1944, 1948-51. July 10, 5.91.

94. E. H. Marek. Lat. 28°58', long. 98°24'. Drilled irrigation artesian well in Mount Selman formation, diameter 6 inches, depth 1,200 feet. Highest water level 16.48 below lsd, July 10, 1950; lowest 19.20 below lsd, Sept. 29, 1948. Records available: 1944, 1948-51. July 10, 17.50.

100. Joe A. Coughran. Lat. 28°57', long. 98°22'. Drilled farm artesian well in Mount Selman formation, diameter 4 inches, depth 600 feet. Highest water level 14.70 below lsd, July 19, 1949; lowest 16.59 below lsd, May 18, 1944. Records available: 1944, 1948-51. July 10, 16.09.

165. H. E. Whittet. Lat. 29°03', long. 98°42'. Drilled farm artesian well in Carrizo sand, diameter 4 inches, depth 250 feet. Highest water level 25 below lsd, 1910; lowest 42.01 below lsd, July 9, 1951. Records available: 1910, 1929-30, 1944-46, 1948-51. July 9, 42.01.

168. Guy A. Bryan. Lat. 29°06', long. 98°35'. Drilled farm water-table well in Carrizo sand, diameter 4 inches, depth 120 feet. Highest water level 90 below lsd, 1930; lowest 102.82 below lsd, July 9, 1951. Records available: 1929-30, 1944-46, 1948-51. July 9, 102.82.

177. W. R. Woods. Lat. 29°01', long. 98°42'. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 640 feet. Highest water level 5 above lsd, 1930; lowest 3.53 below lsd, July 11, 1951. Records available: 1929-30, 1944, 1946, 1948-51. July 11, 3.53.

187. Dan Reed. Lat. 29°03', long. 98°36'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 666 feet. Highest water level 32 below lsd, 1930; lowest 49.35 below lsd, July 9, 1951. Records available: 1929-30, 1944-46, 1948-51. July 9, 49.35.

196. F. Holberg. Lat. 29°02', long. 98°38'. Drilled irrigation artesian well in Carrizo sand, diameter 6 inches, depth 600 feet. Highest water level 3 above lsd, 1930; lowest 24.45 below lsd, July 11, 1951. Records available: 1929-30, 1944-46, 1948-51. July 11, 24.45.

213a. E. T. Page. Lat. 29°03', long. 98°32'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 735 feet. Highest water level 74.59 below lsd, June 7, 1950; lowest 81.85 below lsd, Aug. 13, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	78.35	May 8	79.27	July 16	79.27	Nov. 3	77.85
Feb. 8	78.15	June 8	76.69	Aug. 13	81.85	Dec. 29	78.25
Mar. 8	77.80						

246. A. E. Beckman. Lat. 28°52', long. 98°40'. Drilled farm artesian well in Carrizo sand, diameter 7 inches, depth 1,692 feet. Highest water level 12 below lsd, 1930; lowest 35.20 below lsd, July 10, 1951. Records available: 1929-30, 1944-46, 1948-51. July 10, 35.20.

251. C. S. Young. Lat. 28°56', long. 98°31'. Drilled stock artesian well in Mount Selman formation, diameter 6 inches, depth 1,428 feet. Highest water level 10 below lsd, 1930; lowest 49.55 below lsd, Sept. 27, 1948. Records available: 1929-30, 1944-45, 1948-51. July 10, 49.22.

253. W. A. Rickter. Lat. 28°59', long. 98°26'. Drilled farm artesian well in sand, diameter 10 inches, depth 1,429 feet. Highest water level 2.0 above lsd, 1930; lowest 9.81 below lsd, July 10, 1951. Records available: 1929-30, 1944, 1948-51. July 10, 9.81.

299. H. C. McCaughn. Lat. 29°03', long. 98°36'. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 1,000 feet. Highest water level 27.5 below lsd, 1930; lowest 42.82 below lsd, July 9, 1951. Records available: 1929-30, 1944, 1946, 1948-51. July 9, 42.82.

337. L. B. Wier. Lat. 28°56', long. 98°43'. Drilled farm artesian well in Carrizo sand, diameter 5 inches, depth 1,207 feet. Highest water level 38 below lsd, 1908; lowest 76.73 below lsd, July 10, 1951. Records available: 1908, 1929-30, 1944-46, 1948-51. July 10, 76.73.

#### Bailey County

5a. E. W. Gray. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, blk. Z, lat. 34°17', long. 102°52'. Drilled stock water-table well in sand, diameter 6 inches, depth 74 feet. Highest water level 39.22 below lsd, Nov. 10, 1941; lowest 69.90 below lsd, Jan. 20, 1951. Records available: 1937-42, 1944-51. Jan. 20, 69.90.

9. Fred McKillip. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, blk. Z, lat. 34°16', long. 102°54'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 79 feet. Highest water level 36.84 below lsd, Feb. 12, 1943; lowest 49.68 below lsd, Jan. 20, 1951. Records available: 1936-51. Jan. 20, 49.68.

25. C. A. Wagner. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, blk. Z lat. 34°15', long. 102°52'. Drilled irrigation water-table well in sand, depth 100 feet. Highest water level 14.92 below lsd, Mar. 17, 1942; lowest 33.19 below lsd, Jan. 20, 1951. Records available: 1936-51. Jan. 20, 33.19.
31. J. H. Farley. NW. corner sec. 10, blk. X, lat. 34°14', long. 102°50'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 95 feet. Highest water level 8.50 below lsd, Mar. 17, 1942; lowest 24.77 below lsd, Mar. 16, 1949. Records available: 1936-40, 1942-43, 1946, 1948-51. Jan. 20, 24.39.
33. Mrs. J. W. Gregory. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, blk. X, lat. 34°15', long. 102°50'. Drilled irrigation water-table well in sand, diameter 16 to 10 inches, depth 96 feet, cased to 96. Highest water level 25.95 below lsd, Mar. 17, 1942; lowest 42.49 below lsd, Jan. 20, 1951. Records available: 1936-42, 1945-51. Jan. 20, 42.49.
36. C. J. Darby. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, blk. X, lat. 34°15', long. 102°48'. Drilled irrigation water-table well in sand, diameter 10 inches, depth 100 feet, cased to 90. Highest water level 12.50 below lsd, Mar. 17, 1942; lowest 27.51 below lsd, Feb. 14, 1950. Records available: 1936-51. Jan. 20, 27.50.
45. H. M. Schofner. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. Y, lat. 34°15', long. 102°45'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 51 feet. Highest water level 11.34 below lsd, Nov. 12, 1941; lowest 28.59 below lsd, Jan. 20, 1951. Records available: 1937-51. Jan. 20, 28.59.
49. W. F. Harrison. NW. corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, blk. X, lat. 34°15', long. 102°46'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 72 feet. Highest water level 17.74 below lsd, Feb. 12, 1943; lowest 30.31 below lsd, Jan. 20, 1951. Records available: 1934, 1936-51. Jan. 20, 30.31.
53. W. B. Gwyn, Sr. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, blk. Y, lat. 34°15', long. 102°45'. Drilled unused water-table well in sand, diameter 16 inches, depth 78 feet, cased to 52. Highest water level 16.58 below lsd, July 30, 1941; lowest 33.05 below lsd, Jan. 20, 1951. Records available: 1936-51. Jan. 20, 33.05.
62. Briscoe. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 42, blk. Y, lat. 34°15', long. 102°43'. Drilled irrigation water-table well in sand, diameter 15 to 12 inches, depth 140 feet, cased to 140. Highest water level 15.42 below lsd, Feb. 11, 1943; lowest 38.43 below lsd, Feb. 14, 1950. Records available: 1936-51. Jan. 20, 37.52.
63. Sam Gorrell. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 42, blk. Y, lat. 34°15', long. 102°44'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 174 feet, cased to 100. Highest water level 17.08 below lsd, Feb. 11, 1943; lowest 36.35 below lsd, Feb. 14, 1950. Records available: 1934, 1936-45, 1947-51. Jan. 19, 36.30.
67. I. W. Hardin. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 41, blk. Y, lat. 34°15', long. 102°43'. Drilled irrigation water-table well in sand, diameter 30 inches, depth 49 feet, not cased. Highest water level 11.98 below lsd, Nov. 30, 1942; lowest 38.63 below lsd, Jan. 20, 1951. Records available: 1936-51. Jan. 20, 38.63.
69. E. R. Hart. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 52, blk. Y, lat. 34°15', long. 102°43'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 68 feet. Highest water level 8.35 below lsd, Nov. 30, 1942; lowest 30.83 below lsd, Jan. 20, 1951. Records available: 1936-45, 1947-51. Jan. 20, 30.83.
92. L. H. McConnell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 51, blk. Y, lat. 34°16', long. 102°42'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 64 feet. Highest water level 15.27 below lsd, Mar. 17, 1942; lowest 34.03 below lsd, Jan. 20, 1951. Records available: 1936-44, 1947-48, 1950-51. Jan. 20, 34.03.
- 95a. E. R. Hart. NW. corner sec. 71, blk. Y, lat. 34°16', long. 102°41'. Drilled irrigation water-table well in sand. Highest water level 25.54 below lsd, Mar. 12, 1948; lowest 30.42 below lsd, Jan. 20, 1951. Records available: 1948-51. Jan. 20, 30.42.
- 108a. T. L. Mounts. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, blk. W, lat. 34°16', long. 102°37'. Drilled irrigation water-table well in sand. Highest water level 35.50 below lsd, Mar. 18, 1946; lowest 43.80 below lsd, Jan. 20, 1951. Records available: 1946-51. Jan. 20, 43.80.
116. Henry Nieman & Sons. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. W, lat. 34°16', long. 102°38'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 45 feet. Highest water level 18.24 below lsd, Feb. 11, 1943; lowest 37.80 below lsd, Feb. 14, 1950. Records available: 1934, 1936-37, 1939-44, 1947-51. Jan. 20, 36.08.

117. Allison Cassady. NW. corner sec. 32, blk. W, lat.  $34^{\circ}17'$ , long.  $102^{\circ}38'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 53 feet. Highest water level 29.00 below lsd, Feb. 11, 1943; lowest 42.72 below lsd, Jan. 20, 1951. Records available: 1934, 1936-44, 1946-51. Jan. 20, 42.72.

130a. Carpenter.  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 34, blk. W, lat.  $34^{\circ}15'$ , long.  $102^{\circ}38'$ . Drilled irrigation water-table well in sand. Highest water level 22.80 below lsd, Feb. 12, 1948; lowest 28.53 below lsd, Jan. 20, 1951. Records available: 1948-51. Jan. 20, 28.53.

131. R. D. Precure.  $NW\frac{1}{4}SW\frac{1}{4}$  sec. 34, blk. W, lat.  $34^{\circ}15'$ , long.  $102^{\circ}37'$ . Drilled irrigation water-table well in sand, depth 59 feet. Highest water level 12.14 below lsd, Nov. 30, 1942; lowest 27.25 below lsd, Jan. 20, 1951. Records available: 1914, 1936-44, 1946-51. Jan. 20, 27.25.

132. J. A. Ryan. NW. corner  $SE\frac{1}{4}$  sec. 34, blk. W, lat.  $34^{\circ}15'$ , long.  $102^{\circ}37'$ . Drilled irrigation water-table well in sand, diameter 18 inches, depth 77 feet, cased to 18. Highest water level 12.54 below lsd, Nov. 30, 1942; lowest 28.86 below lsd, Jan. 20, 1951. Records available: 1913, 1936-45, 1947-51. Jan. 20, 28.86.

135. B. H. Porter.  $NW\frac{1}{4}SW\frac{1}{4}$  sec. 47, blk. W, lat.  $34^{\circ}14'$ , long.  $102^{\circ}37'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet. Highest water level 7.09 below lsd, Nov. 1, 1941; lowest 22.36 below lsd, Jan. 19, 1951. Records available: 1914, 1937-39, 1941-43, 1949-51. Jan. 19, 22.36.

136. C. A. Barnett.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 48, blk. W, lat.  $34^{\circ}14'$ , long.  $102^{\circ}38'$ . Drilled irrigation water-table well in sand, diameter 13 inches, depth 86 feet. Highest water level 5.44 below lsd, Nov. 1, 1941; lowest 22.90 below lsd, Jan. 20, 1951. Records available: 1914, 1934, 1936-51. Jan. 20, 22.90.

137. J. C. Hunt.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 48, blk. W, lat.  $34^{\circ}14'$ , long.  $102^{\circ}38'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 130 feet. Highest water level 6.37 below lsd, Nov. 1, 1941; lowest 23.74 below lsd, Jan. 20, 1951. Records available: 1914, 1936-51. Jan. 20, 23.74.

207. Whittington.  $SE\frac{1}{4}$  lab. 22, lge. 188, lat.  $34^{\circ}06'$ , long.  $102^{\circ}44'$ . Drilled stock water-table well in sand, diameter 6 inches, depth 142 feet. Highest water level 83.55 below lsd, Jan. 20, 1951; lowest 100.88 below lsd, June 16, 1938. Records available: 1936-44, 1946-47, 1949-51. Jan. 20, 83.55.

324a. Foard County Public School Land.  $NW\frac{1}{4}$  lab. 15, lge. 192, lat.  $34^{\circ}05'$ , long.  $102^{\circ}43'$ . Drilled domestic water-table well in sand, diameter 4 inches, depth 114 feet. Highest water level 90.07 below lsd, Jan. 20, 1951; lowest 99.23 below lsd, June 22, 1937. Records available: 1937-44, 1946-51. Jan. 20, 90.07.

435. I. C. Enochs.  $SE\frac{1}{4}$  lab. 69, lge. 182, lat.  $33^{\circ}54'$ , long.  $102^{\circ}45'$ . Drilled unused water-table well in sand, diameter 10 inches, depth 117 feet. Highest water level 12.58 below lsd, Jan. 20, 1951; lowest 29.85 below lsd, June 22, 1937. Records available: 1936-45, 1947, 1949-51. Jan. 20, 12.58.

#### Bexar County

15. Robert Mechler. Lat.  $29^{\circ}22'$ , long.  $98^{\circ}46'$ . Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 918 feet. Land-surface datum is 809.14 feet above msl. Highest water level 102.95 below lsd, Jan. 4, 1937; lowest 153.76 below lsd, Sept. 11, 1951. Records available: 1933-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	138.95	May 8	144.12	Sept. 11	153.76	Oct. 31	150.25
Feb. 7	141.75	July 3	146.58	Oct. 8	151.53	Dec. 27	149.84
Mar. 5	141.18						

26. Fuller's Earth Plant. Lat.  $29^{\circ}22'$ , long.  $98^{\circ}42'$ . Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 778 feet. Land-surface datum is 788.15 feet above msl. Highest water level 89.68 below lsd, June 28, 1935; lowest 140.00 below lsd, Sept. 11, 1951. Records available: 1933-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	126.06	May 8	130.51	July 3	132.43	Oct. 8	137.67
Feb. 7	128.36	25	128.55	Aug. 8	138.72	31	136.56
Mar. 5	127.60	June 6	127.93	Sept. 11	140.00	Dec. 27	136.70

28. A. J. McCulley. Lat. 29°24', long. 98°37'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 888 feet. Land-surface datum is 744.45 feet above msl. Highest water level 48.13 below lsd, June 28, 1935; lowest 97.93 below lsd, Sept. 11, 1951. Records available: 1933-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	83.01	May 8	87.78	July 3	90.68	Oct. 8	94.86
Feb. 7	85.85	25	85.67	Aug. 8	96.98	31	93.51
Mar. 5	84.82	June 6	85.05	Sept. 11	97.93	Dec. 27	93.61

224. City of San Antonio. Acme road well at city limits. Lat. 29°25', long. 98°32'. Drilled observation artesian well in Edwards limestone, diameter 24 to 12 inches, depth 965 feet. Land-surface datum is 723.75 feet above msl. Highest water level 48.21 below lsd, May 2, 1949; lowest 80.80 below lsd, Aug. 31, 1951. Records available: 1944, 1948-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	65.86	68.38	67.70	68.54	72.01	71.07	73.60	78.54	80.68	76.12	76.38	75.49
2	65.57	68.83	67.73	68.82	72.48	71.24	73.40	78.53	80.16	76.44	76.28	75.33
3	66.00	68.96	67.98	69.14	72.14	68.53	74.09	78.81	79.52	76.78	76.25	75.22
4	66.20	68.58	67.87	69.44	72.10	68.08	74.35	78.86	79.56	77.03	75.92	75.41
5	66.55	68.21	67.94	69.49	72.49	68.40	74.44	78.74	79.68	77.39	75.59	75.43
6	66.68	68.17	68.40	69.68	72.45	68.27	75.15	78.49	80.15	77.57	76.08	75.45
7	66.91	68.68	68.78	69.54	71.43	68.28	75.18	79.22	80.43	77.60	76.31	75.92
8	66.62	68.77	69.11	69.34	71.13	68.42	74.99	79.38	80.73	77.12	76.33	75.72
9	66.87	68.96	69.40	69.15	70.60	68.76	74.88	79.59	80.26	77.41	76.38	75.90
10	66.67	69.13	69.70	69.54	70.54	68.97	75.59	79.79	79.64	77.88	76.46	75.66
11	66.89	69.01	69.52	69.67	70.83	68.96	75.84	79.85	80.11	77.83	76.39	75.53
12	66.72	68.66	69.34	69.75	70.87	69.42	76.01	79.67	80.18	77.90	75.93	75.58
13	66.77	69.02	69.14	70.04	70.70	69.34	76.37	79.26	78.88	78.00	76.16	75.69
14	66.82	69.42	69.17	70.19	70.14	69.40	75.59	79.85	78.38	77.77	76.63	75.74
15	66.54	69.55	69.38	70.40	70.21	69.73	75.14	80.10	77.77	77.63	76.73	76.12
16	67.05	69.04	69.58	70.67	69.67	70.00	74.88	80.22	77.86	77.81	77.17	76.28
17	67.01	68.66	69.71	70.82	69.28	70.20	75.28	80.34	76.88	78.00	77.18	75.60
18	67.20	68.27	69.58	71.26	69.14	70.20	76.04	80.42	76.87	78.19	76.66	75.67
19	67.40	67.90	69.35	71.44	69.10	71.10	76.65	79.63	76.79	78.38	76.18	75.52
20	67.60	67.95	69.52	72.07	69.03	71.39	.....	78.82	76.89	78.17	76.34	75.39
21	67.76	68.11	69.86	71.63	68.90	71.83	.....	79.40	76.90	78.00	76.23	76.25
22	67.23	67.99	70.21	72.01	69.30	72.23	.....	79.81	77.05	77.82	76.09	76.16
23	67.28	67.91	70.43	71.84	69.73	72.53	.....	80.02	76.90	78.12	75.77	75.81
24	67.63	67.72	70.57	72.13	69.84	72.64	.....	80.36	76.44	78.33	76.00	75.66
25	67.92	67.55	69.80	72.25	69.18	72.33	.....	80.05	76.44	77.30	75.89	75.53
26	67.93	67.50	69.42	72.33	68.98	72.13	.....	79.77	76.25	76.95	75.74	75.52
27	67.89	67.55	68.99	72.27	68.89	72.56	77.97	79.23	76.30	76.63	75.61	75.88
28	68.00	67.50	68.70	72.42	68.89	72.89	.....	79.95	76.50	76.41	75.58	75.71
29	67.75	68.78	72.15	69.51	73.26	78.00	80.60	76.40	75.99	75.61	75.74	75.74
30	68.04	68.62	71.57	70.11	73.62	77.44	80.75	76.28	76.07	75.59	75.78	75.78
31	68.04	68.62	70.58	70.58	78.21	80.80	80.80	76.17	75.59	75.73	75.73	75.73

436. Ed. Steves & Sons. Beverly Lodges Tourist Court. Lat. 29°28', long. 98°26'. Drilled unused artesian well in Edwards limestone, diameter 12 inches, depth 756 feet. Land-surface datum is 722.56 feet above msl. Highest water level 37.20 below lsd, Oct. 25, 1942; lowest 81.93 below lsd, Aug. 31, 1951. Records available: 1932-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	66.88	69.52	68.45	69.41	72.69	72.26	74.57	79.69	81.88	77.02	76.95	76.13
2	66.55	70.07	68.54	69.65	73.17	72.53	74.33	79.83	81.32	77.37	77.05	75.93
3	66.98	70.26	68.77	70.05	72.83	72.15	75.12	80.07	80.41	77.80	76.92	75.81
4	67.22	69.78	68.61	70.40	72.78	68.94	75.47	80.10	80.48	78.04	76.60	76.08
5	67.61	69.23	68.70	70.44	73.37	69.26	75.48	80.03	80.66	78.42	76.18	76.08
6	67.77	69.21	69.23	70.69	73.17	69.09	76.07	79.77	81.34	78.59	76.69	76.11
7	67.93	69.66	69.64	70.41	72.60	69.12	76.26	80.65	81.60	78.50	76.89	76.48
8	67.64	69.71	70.04	70.16	71.88	69.30	76.00	80.82	81.78	77.93	76.93	76.31
9	67.69	69.83	70.30	70.00	71.31	69.63	76.85	80.94	81.18	78.31	76.99	76.46
10	67.68	70.08	70.52	70.55	71.32	69.85	76.65	81.13	80.61	78.59	77.13	76.26
11	67.90	69.91	70.26	70.57	71.72	69.86	76.97	81.16	81.21	78.69	77.05	76.13
12	67.74	69.50	69.97	70.62	71.81	70.39	77.11	80.78	81.35	78.73	76.50	76.19
13	67.78	69.86	69.88	70.93	71.52	70.17	77.37	80.43	79.81	78.79	76.62	76.34
14	67.77	70.40	69.89	71.09	70.84	70.29	76.49	81.13	79.18	78.60	77.26	76.40
15	67.40	70.69	70.08	71.36	70.91	70.67	75.95	81.40	78.60	78.37	77.31	76.80

## 436--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	67.97	69.92	70.35	71.65	70.45	71.00	75.73	81.57	78.04	78.72	77.81	76.77
17	68.05	69.46	70.48	71.80	70.11	71.15	76.18	81.62	77.63	78.88	77.67	76.23
18	68.21	69.07	70.63	72.24	70.00	71.08	76.98	81.80	77.64	79.09	77.33	76.29
19	68.44	68.63	70.03	72.27	69.97	71.90	77.58	80.77	77.58	79.22	76.76	76.16
20	68.64	68.70	70.30	72.92	69.88	72.40	78.03	79.85	77.73	78.91	76.83	76.06
21	68.63	68.90	70.65	72.40	69.73	72.80	78.24	80.52	77.72	78.80	76.78	76.94
22	68.19	68.79	71.10	72.84	70.24	73.28	77.91	81.02	77.85	78.65	76.58	76.83
23	68.23	68.74	71.30	72.54	70.67	73.57	77.67	81.26	77.84	79.00	76.28	76.41
24	68.69	68.52	71.56	72.92	70.84	73.63	78.34	81.55	77.16	78.42	76.67	76.25
25	68.98	68.36	70.87	73.08	70.04	73.13	78.84	81.23	77.26	77.97	76.51	76.13
26	68.94	68.32	70.28	73.21	69.83	73.88	78.91	80.89	77.05	77.63	76.28	76.07
27	68.91	68.34	70.00	73.11	69.79	73.55	79.13	80.35	77.17	77.28	76.16	76.48
28	69.00	68.28	69.60	73.30	69.90	73.86	79.09	81.14	77.40	77.06	76.21	76.32
29	68.70		69.65	72.98	71.21	74.22	79.05	81.75	77.28	76.61	76.24	76.35
30	69.21		69.45	72.31	71.38	74.58	78.52	81.91	77.14	76.76	76.21	76.38
31	69.23		69.46		71.77		79.38	81.93		76.91		76.33

XB-1. Robert Boenig. Lat. 29°23', long. 98°39'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 916 feet. Highest water level 106.91 below lsd, Nov. 30, 1942; lowest 152.32 below lsd, Aug. 8, 1951. Records available: 1937-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	138.67	May 8	142.95	Aug. 8	152.32	Oct. 31	147.47
Feb. 7	141.36	June 6	140.30	Sept. 11	151.27	Dec. 27	146.81
Mar. 5	140.32	July 3	145.70	Oct. 8	149.92		

XB-2. Oscar Bippert. Lat. 29°30', long. 98°24'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 830 feet. Land-surface datum is 760.33 feet above msl. Highest water level 58.60 below lsd, May 28, 1941; lowest 106.00 below lsd, Sept. 11, 1951. Records available: 1934, 1937-45, 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	91.74	May 8	96.77	Aug. 7	104.66	Oct. 8	103.84
Feb. 7	94.43	June 6	94.15	Sept. 11	106.00	Dec. 27	103.26
Mar. 5	93.76	July 3	99.12				

XB-3. Beitel Church. Lat. 29°30', long. 98°24'. Drilled domestic artesian well in Edwards limestone, diameter 6 inches, depth 434 feet. Land-surface datum is 721.63 feet above msl. Highest water level 44.23 below lsd, May 29, 1941; lowest 83.55 below lsd, Sept. 11, 1951. Records available: 1933-35, 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	70.15	May 8	74.29	July 3	77.61	Oct. 8	80.11
Feb. 5	71.62	25	72.57	Aug. 6	82.32	29	78.96
Mar. 7	72.65	June 7	71.67	Sept. 11	83.55	Dec. 27	78.93

Brazoria County

Measurement discontinued in wells 413 and 416.

10. Gulf, Colorado & Santa Fe Railway Co. In Pearland, lat. 29°33', long. 95°17'. Drilled industrial artesian well in sand, diameter 8 to 6 inches, depth 507 feet, screen at 477-507. Highest water level 47.5 below lsd, Apr. 16, 1931; lowest 122.0 below lsd, Dec. 15, 1950. Records available: 1931, 1936, 1943-51. Feb. 21, 121.4. Measurement discontinued.

18. Humble Oil & Refining Co. Lat. 29°12', long. 95°49'. Drilled unused artesian well in sand, diameter 4 inches, depth 473 feet, screen at 438-473. Highest water level 8.61 below lsd, Nov. 7, 1946; lowest 17.36 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Feb. 6, 15.30; Aug. 21, 17.36.

19. Humble Oil & Refining Co. Lat. 29°11', long. 95°48'. Drilled unused artesian well in sand, diameter 4 inches, depth 399 feet, screen at 379-399. Highest water level 8.38 below lsd, Nov. 7, 1946; lowest 16.21 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Feb. 6, 14.25; Aug. 21, 16.21.

28. Humble Oil & Refining Co. Lat. 49°10', long. 95°47'. Drilled unused artesian well in sand, diameter 4 inches, depth 594 feet, screen at 582-594. Highest water level 5.08 below lsd, Nov. 7, 1946; lowest 15.18 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Feb. 6, 12.97; Aug. 21, 15.18.

30. Humble Oil & Refining Co. Lat. 29°10', long. 95°47'. Drilled unused artesian well in sand, diameter 7 inches, depth 500 feet. Highest water level 9.82 below lsd, Nov. 7, 1946; lowest 16.43 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Feb. 6, 14.76; Aug. 21, 16.43.

31. Humble Oil & Refining Co. Lat. 29°09', long. 95°47'. Drilled unused artesian well in sand, diameter 4 inches, depth 618 feet, screen at 583-618. Highest water level 4.16 below lsd, Nov. 7, 1946; lowest 14.20 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Feb. 6, 12.13; Aug. 21, 14.20.

37. R. R. Farmer. Lat. 29°08', long. 95°42'. Drilled unused artesian well in sand, diameter 2 inches, depth 613 feet. Highest water level 8.0 above lsd, Oct. 21, 1936; lowest 20.18 below lsd, Aug. 21, 1951. Records available: 1936, 1946, 1949-51. Feb. 6, 19.53; Aug. 21, 20.18.

100. Phillips Petroleum Co. Lat. 29°04', long. 95°44'. Drilled observation artesian well in sand, diameter 4 inches, depth 150 feet, screen at 132-142. Highest water level 9.64 below lsd, Nov. 5, 1946; lowest 50.43 below lsd, Aug. 22, 1951. Records available: 1942, 1944, 1946-51. Jan. 4, 37.14; Jan. 26, 38.85; Aug. 22, 50.43.

101. Phillips Petroleum Co. Lat. 29°04', long. 95°44'. Drilled observation artesian well in sand, diameter 3½ inches, depth 161 feet. Highest water level 10.16 below lsd, Nov. 5, 1946; lowest 51.06 below lsd, Aug. 22, 1951. Records available: 1943-44, 1946-51. Jan. 4, 33.90; Jan. 26, 35.51; Aug. 22, 51.06.

125. The Texas Co. Lat. 29°03', long. 95°41'. Drilled unused artesian well in sand, diameter 4 inches, depth 475 feet, screen at 449-470. Highest water level flowing, Nov. 4, 1946; lowest 5.72 below lsd, Aug. 21, 1951. Feb. 6, 5.02; Aug. 21, 5.72.

126. Peerless Carbon Co. Lat. 29°02', long. 95°39'. Drilled industrial artesian well in sand, diameter 6 inches, depth 185 feet, screen at 145-185. Highest water level 10.4 below lsd, Nov. 5, 1946; lowest 15.47 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Feb. 6, 14.38; Aug. 21, 15.47.

308. Freeport City well 6. 1231 West 8th St., Freeport. Lat. 28°51', long. 95°21'. Drilled public-supply artesian well in sand, diameter 10 to 8 inches, depth 249 feet, screen at 206-247. Highest water level 58.5 below lsd, June 27, 1941; lowest 146.0 below lsd, Aug. 21, 1951. Records available: 1941, 1946, 1949-51. Jan. 25, 128.73; Aug. 21, 146.0.

327. Velasco City well 2. 517 Ave. D, in Velasco. Lat. 28°52', long. 95°21'. Drilled public-supply artesian well in sand, diameter 10 to 5 inches, depth 255 feet, screen at 218-245. Highest water level 93.5 below lsd, Feb. 19, 1946; lowest 129.50 below lsd, Aug. 21, 1951. Records available: 1946, 1949-51. Aug. 21, 129.50.

328. Velasco City well 1. At water tower in Velasco. Lat. 28°52', long. 95°21'. Drilled public-supply artesian well in sand, diameter 10 to 5 inches, depth 266 feet, screen at 218-245. Highest water level 84.0 below lsd, Aug. 30, 1941; lowest 135.60 below lsd, Aug. 21, 1951. Records available: 1941, 1946, 1949-51. Jan. 25, 118.36; Aug. 21, 135.60.

415. Humble Oil & Refining Co. Lat. 29°16', long. 95°20'. Drilled unused artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 1.06 below lsd, July 29, 1946; lowest 9.98 below lsd, Jan. 4, 1949. Records available: 1946, 1948-51. Jan. 15, 4.23; Aug. 23, 7.59.

417. Humble Oil & Refining Co. Lat. 29°15', long. 95°20'. Drilled unused artesian well in sand, diameter 4 inches, depth 315 feet, screen at 289-310. Highest water level 0.95 above lsd, July 29, 1946; lowest 9.62 below lsd, Jan. 4, 1949. Records available: 1946, 1948-51. Jan. 15, 7.83; Aug. 23, 5.18.

418. Humble Oil & Refining Co. Lat. 29°15', long. 95°20'. Drilled unused artesian well in sand, diameter 4 inches, depth 514 feet, screen at 491-514. Highest water level 19.51 below lsd, Mar. 3, 1948; lowest 26.76 below lsd, July 29, 1946. Records available: 1946, 1948-51. Jan. 15, 23.48; Aug. 23, 25.16.

421. Humble Oil & Refining Co. Lat. 29°15', long. 95°19'. Drilled unused artesian well in sand, diameter 4 inches, depth 309 feet, screen at 285-309. Highest water level 2.48 below lsd, July 29, 1946; lowest 12.13 below lsd, Jan. 4, 1949. Records available: 1946, 1949-51. Jan. 15, 6.45; Aug. 23, 9.05.

425. J. M. Skrabanek. Lat. 29°11', long. 95°19'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 960 feet, screens opposite sands between 499 and 870. Highest water level 31.25 below lsd, Aug. 28, 1946; lowest 39.49 below lsd, Aug. 30, 1950. Records available: 1946, 1948-51. Jan. 15, 37.52.

429. Ed. Berry. Lat. 29°11', long. 95°22'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 324 feet, casing slotted opposite sands below 60. Highest water level 5.41 below lsd, Mar. 3, 1948; lowest 11.23 below lsd, Aug. 30, 1950. Records available: 1946, 1948-51. Jan. 15, 10.42.



432. Humble Oil & Refining Co. Lat. 29°13', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 618 feet, screen at 594-617. Highest water level 8.84 below lsd, Oct. 7, 1946; lowest 17.41 below lsd, Aug. 22, 1951. Records available: 1946, 1948-51. Jan. 16, 16.62; Aug. 22, 17.41.

438. Humble Oil & Refining Co. Lat. 29°11', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 807 feet, screen at 785-807. Highest water level 13.19 below lsd, Oct. 7, 1946; lowest 23.97 below lsd, Aug. 22, 1951. Records available: 1946, 1948-51. Jan. 16, 21.33; Aug. 22, 23.97.

441. Owner unknown. Lat. 29°08', long. 95°31'. Drilled unused artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 13.19 below lsd, Oct. 16, 1946; lowest 16.22 below lsd, Aug. 22, 1951. Records available: 1946, 1948-51. Feb. 5, 15.66; Aug. 22, 16.22.

515. Otto Sens Club. Lat. 29°22', long. 95°28'. Drilled unused artesian well in sand, diameter 2 inches, depth 900 feet. Highest water level 9.87 below lsd, May 22, 1939; lowest 33.80 below lsd, Aug. 24, 1951. Records available: 1939, 1946, 1948-51. Jan. 16, 31.99; Aug. 24, 33.80.

520. Crown Central Petroleum Co. Lat. 29°23', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 350 feet. Highest water level 17.01 below lsd, July 31, 1946; lowest 19.99 below lsd, Jan. 16, 1951. Records available: 1946, 1946-51. Jan. 16, 19.99. Measurement discontinued.

522. C. Martin. Lat. 29°25', long. 95°26'. Drilled unused artesian well in sand, diameter 26 to 10 inches, depth 906 feet, screens opposite sands below 361. Highest water level 7.92 below lsd, Apr. 10, 1931; lowest 32.15 below lsd, Aug. 24, 1951. Records available: 1931, 1939, 1946, 1948-51. Jan. 16, 30.59; Aug. 24, 32.15.

526. Humble Oil & Refining Co. Lat. 29°24', long. 94°17'. Drilled unused artesian well in sand, diameter 4 inches, depth 666 feet, screen at 631-663. Highest water level 28.87 below lsd, Aug. 27, 1946; lowest 46.32 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Jan. 12, 47.29; Aug. 23, 48.32.

544. W. G. Simpson. Lat. 29°18', long. 95°17'. Drilled unused artesian well in sand, diameter 26 inches, depth 700 feet. Highest water level 13.78 below lsd, Aug. 29, 1946; lowest 28.33 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Jan. 16, 24.95; Aug. 23, 28.33.

552. Stanolind Oil & Gas Co. Lat. 29°18', long. 95°15'. Drilled unused artesian well in sand, diameter 4 inches, depth 226 feet. Highest water level 6.55 below lsd, Jan. 16, 1950; lowest 8.10 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Jan. 12, 7.30; Aug. 23, 8.10.

554. Phillips Petroleum Co. Lat. 29°19', long. 95°13'. Drilled unused artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 24.80 below lsd, July 25, 1946; lowest 47.44 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Jan. 12, 33.76; Aug. 23, 47.44.

559. Dr. E. W. Andrau. Lat. 29°20', long. 95°12'. Drilled unused artesian well in sand, diameter 16 to 10 inches, depth 1,185 feet, screens opposite sands between 344 and 906. Highest water level 46.27 below lsd, Aug. 28, 1946; lowest 56.75 below lsd, Aug. 23, 1951. Records available: 1946, 1948-51. Jan. 12, 55.54; Aug. 23, 56.75.

608. The Texas Co. Lat. 29°30', long. 95°19'. Drilled unused artesian well in sand, diameter 7 inches, depth 632 feet, screen at 564-632. Highest water level 102.31 below lsd, July 19, 1946; lowest 119.88 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Feb. 5, 115.35; Aug. 23, 119.88. Measurement discontinued.

612. C. H. Alexander. Lat. 29°34', long. 95°17'. Drilled irrigation artesian well in sand, diameter 20 to 14 inches, depth 1,773 feet, casing slotted opposite sands between 350 and 1,300. Highest water level 83.62 below lsd, Mar. 11, 1947; lowest 118.91 below lsd, Sept. 18, 1951. Records available: 1947-51. Feb. 21, 108.91; June 13, 114.95; Sept. 18, 118.91; Dec. 13, 116.39.

622. Humble Oil & Refining Co. Lat. 29°30', long. 95°13'. Drilled unused artesian well in sand, diameter 4 inches, depth 495 feet, screen at 452-482. Highest water level 89.85 below lsd, July 1, 1946; lowest 119.62 below lsd, Aug. 24, 1951. Records available: 1946, 1949-51. Jan. 12, 111.54; Aug. 24, 119.62.

623. Stanolind Oil & Gas Co. Lat. 29°30', long. 95°15'. Drilled unused artesian well in sand, diameter 8 inches, depth 591 feet. Highest water level 94.01 below lsd, June 21, 1946; lowest 123.00 below lsd, Aug. 24, 1951. Records available: 1946, 1948-51. Jan. 12, 115.23; Aug. 24, 123.00.

625. Stanolind Oil & Gas Co. Lat. 29°30', long. 95°14'. Drilled unused artesian well in sand, diameter 8 inches, depth 417 feet. Highest water level 67.19 below lsd, June 21, 1946; lowest 79.70 below lsd, Feb. 5, 1951. Records available: 1946, 1949-51. Feb. 5, 79.70; Aug. 23, 74.75.

630. Humble Oil & Refining Co. Lat. 29°29', long. 95°15'. Drilled unused artesian well in sand, diameter 4 inches, depth 410 feet, screen at 341-371. Highest water level 20.0 below lsd, Aug. 27, 1935; lowest 82.40 below lsd, Aug. 24, 1951. Records available: 1935, 1946, 1949-51. Aug. 24, 82.40.

639. Gulf Oil Corp. Lat. 29°29', long. 95°20'. Drilled farm artesian well in sand, diameter 6 inches, depth 480 feet, screen at 440-480. Highest water level 58.48 below lsd, July 19, 1946; lowest 68.82 below lsd, Aug. 29, 1950. Records available: 1946, 1949-50. No measurement made in 1951.

643. The Texas Co. Lat. 29°30', long. 95°20'. Drilled unused artesian well in sand, diameter 6 inches, depth 300 feet. Highest water level 0.19 above lsd, Jan. 17, 1950; lowest 8.60 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Feb. 5, 5.42; Aug. 23, 8.60.

644. The Texas Co. Lat. 29°30', long. 95°20'. Drilled unused artesian well in sand, diameter 9 inches, depth 194 feet, screen at 172-194. Highest water level 12.08 below lsd, Jan. 17, 1950; lowest 14.60 below lsd, Aug. 23, 1951. Records available: 1946, 1949-51. Feb. 5, 13.83; Aug. 23, 14.60.

#### Briscoe County

Measurement discontinued in well 159.

107. M. A. Graham. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 205, blk. G & M, lat. 34°27', long. 101°25'. Drilled unused water-table well in sand, diameter 21 inches, depth 200 feet. Highest water level 85.90 below lsd, Mar. 14, 1946; lowest 87.91 below lsd, Aug. 31, 1946. Records available: 1946, 1948-51. Jan. 23, 87.33.

119. Tom Whiteley. NW. corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 53, blk. A, lat. 34°25', long. 101°26'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet. Highest water level 73.80 below lsd, Apr. 9, 1947; lowest 90.4 below lsd, Sept. 7, 1948. Records available: 1946-51. Jan. 4, 84.9; Jan. 23, 86.52; Feb. 7, 85.10.

122. Datis Martin. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 49, blk. A, lat. 34°26', long. 101°26'. Drilled irrigation water-table well in sand, diameter 21 inches, depth 190 feet. Highest water level 75.50 below lsd, Aug. 30, 1946; lowest 78.84 below lsd, Jan. 23, 1951. Records available: 1946, 1948-51. Jan. 23, 78.84.

148. Carl Wimberly. SW. corner SE $\frac{1}{4}$  sec. 46, blk. B2, lat. 34°23', long. 101°28'. Drilled irrigation water-table well in sand, diameter 21 inches, depth 218 feet. Highest water level 72.20 below lsd, Mar. 11, 1948; lowest 73.44 below lsd, Jan. 23, 1951. Records available: 1946, 1948-51. Jan. 23, 73.44.

168. Charles E. Wallace. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, blk. 2, lat. 34°21', long. 101°23'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 200 feet, cased to 150. Highest water level 87.20 below lsd, June 18, 1946; lowest 94.28 below lsd, Jan. 23, 1951. Records available: 1946, 1948-51. Jan. 23, 94.28.

170. Lowell Jarrett. SW. corner NW $\frac{1}{4}$  sec. 18, blk. B4, lat. 34°20', long. 101°24'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 220 feet, cased to 155, slotted at 40-155. Highest water level 91.30 below lsd, Mar. 18, 1946; lowest 97.0 below lsd, July 31, 1950. Records available: 1946-51. Jan. 4, 96.5; Jan. 23, 96.44; Feb. 7, 96.0.

225. W. A. Stephens. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, blk. B2, lat. 34°22', long. 101°19'. Drilled unused water-table well in sand, diameter 15 inches, depth 202 feet, cased to 190, slotted at 90-190. Highest water level 76.28 below lsd, Mar. 12, 1948; lowest 77.15 below lsd, Aug. 29, 1946. Records available: 1946, 1948-51. Jan. 23, 76.84.

227. Watson Douglas. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, blk. B2, lat. 34°21', long. 101°20'. Drilled unused water-table well in sand, diameter 16 inches, depth 219 feet, cased to 140. Highest water level 77.20 below lsd, Aug. 1, 1951; lowest 78.84 below lsd, Aug. 28, 1946. Records available: 1946-51. Jan. 4, 77.7; Jan. 23, 77.68; Feb. 7, 78.20; Aug. 1, 77.20.

234. Joe Mercer. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 66, blk. B1, lat. 34°25', long. 101°15'. Drilled irrigation water-table well in sand, diameter 21 inches, depth 210 feet. Highest water level 102.14 below lsd, Mar. 21, 1947; lowest 110.4 below lsd, Apr. 27, 1949. Records available: 1946-51. Jan. 4, 108.5; Jan. 23, 105.43; Feb. 7, 108.1.

Brooks County

Measurement discontinued in wells 254a, 277a, 324, 337a, 504a, 882b, 885a, 919a.

202. E. C. Lasater Estate. Lat. 27°14', long. 98°12'. Drilled unused artesian well in Lissie formation or Goliad sand, diameter 8 to 5 inches, depth 112 feet. Highest water level 29.20 below lsd, Feb. 7, 1935; lowest 45.09 below lsd, Feb. 16, 1951. Records available: 1932-33, 1935-38, 1941, 1943, 1945, 1947-49, 1951. Feb. 16, 45.09.

266a. Col. J. E. McDonald. Lat. 27°14', long. 98°10'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 601 feet. Highest water level 42.30 below lsd, Mar. 13, 1946; lowest 64.96 below lsd, Feb. 16, 1951. Records available: 1946-51. Feb. 16, 64.96.

273. George Franks. Lat. 27°13', long. 98°10'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 710 feet. Land-surface datum is 127.45 feet above msl. Highest water level 8.58 below lsd, Feb. 3, 1936; lowest 76.28 below lsd, Feb. 16, 1951. Records available: 1932-33, 1935-41, 1943-47, 1949-51. Feb. 16, 76.28.

340. Dr. H. M. Bennett. Lat. 27°11', long. 98°08'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 742 feet. Land-surface datum is 109.75 feet above msl. Highest water level 0.42 above lsd, Oct. 3, 1933; lowest 35.67 below lsd, Feb. 9, 1948. Records available: 1932-33, 1935, 1937-41, 1943-50. No measurement made in 1951.

405. A. Rupp. Lat. 27°13', long. 98°03'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 612 feet. Land-surface datum is 98.00 feet above msl. Highest water level 15.30 below lsd, Oct. 4, 1933; lowest 66.26 below lsd, Feb. 16, 1951. Records available: 1932-33, 1935-41, 1943-51. Feb. 16, 66.26.

474. A. Rupp. Lat. 27°12', long. 98°03'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 472 feet. Land-surface datum is 93.07 feet above msl. Highest water level 16.01 below lsd, Jan. 5, 1933; lowest 47.20 below lsd, Dec. 11, 1948. Records available: 1932-33, 1935-41, 1943-50. No measurement made in 1951.

865. Florencio Rodriguez. Lat. 26°53', long. 98°13'. Drilled unused artesian well in sand, diameter 5 inches, depth 130 feet. Highest water level 75.03 below lsd, May 7, 1938; lowest 79.93 below lsd, Feb. 16, 1951. Records available: 1933, 1935-41, 1943-45, 1947-51. Feb. 16, 79.93.

865a. Florencio Rodriguez. Lat. 26°53', long. 98°13'. Drilled farm artesian well in sand, diameter 4 inches, depth 340 feet. Highest water level 78.04 below lsd, Feb. 19, 1947; lowest 90.00 below lsd, Feb. 16, 1951. Records available: 1947-51. Feb. 16, 90.00.

882a. E. Villareal. Lat. 26°53', long. 98°13'. Drilled farm artesian well in sand, diameter 6 to 4 inches, depth 324 feet. Highest water level 86.89 below lsd, Feb. 19, 1947; lowest 97.85 below lsd, Feb. 16, 1951. Records available: 1947-51. Feb. 16, 97.85.

Castro County

Measurement discontinued in well 202a.

8. Earl Cole. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 125, blk. M7, lat. 34°42', long. 102°26'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 160 feet. Highest water level 71.03 below lsd, Nov. 27, 1942; lowest 81.30 below lsd, Jan. 25, 1951. Records available: 1937-51. Jan. 25, 81.30.

20. H. E. Lindley. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 97, blk. M7, lat. 34°41', long. 102°22'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 120 feet. Highest water level 67.30 below lsd, June 10, 1936; lowest 76.38 below lsd, Feb. 9, 1950. Records available: 1936-51. Jan. 25, 74.87.

32. W. A. Springer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 81, blk. M7, lat. 34°42', long. 102°22'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 126 feet. Highest water level 62.05 below lsd, Feb. 8, 1943; lowest 71.81 below lsd, Jan. 25, 1951. Records available: 1936-51. Jan. 25, 71.81.

36. E. O. Baker. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 72, blk. M7, lat. 34°43', long. 102°20'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 181 feet. Highest water level 79.70 below lsd, Jan. 14, 1937; lowest 95.48 below lsd, Jan. 25, 1951. Records available: 1937-51. Jan. 25, 95.48.

40. J. N. Burgin. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 51, blk. M7, lat. 34°42', long. 102°18'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 132 feet. Highest water level 62.53 below lsd, Mar. 3, 1939; lowest 74.32 below lsd, Jan. 25, 1951. Records available: 1937-46, 1948, 1950-51. Jan. 25, 74.32.

48. J. M. Richardson. NW. corner sec. 30, blk. M7, lat.  $34^{\circ}42'$ , long.  $102^{\circ}16'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 162 feet. Highest water level 58.19 below lsd, Feb. 8, 1943; lowest 67.56 below lsd, Mar. 14, 1949. Records available: 1936-51. Jan. 25, 65.02.

52. C. G. Maples. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, blk. M10A, lat.  $34^{\circ}38'$ , long.  $102^{\circ}14'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 170 feet. Highest water level 71.14 below lsd, Dec. 16, 1938; lowest 86.04 below lsd, Jan. 25, 1951. Records available: 1937-51. June 25, 86.04.

53. W. A. Hunter. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. M7, lat.  $34^{\circ}41'$ , long.  $102^{\circ}18'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 135 feet, perforated at 0-135. Highest water level 56.67 below lsd, Apr. 30, 1936; lowest 71.26 below lsd, Jan. 25, 1951. Records available: 1936, 1938-51. Jan. 25, 71.26.

58. J. E. Tucker. SW. corner sec. 2, blk. L-2, lat.  $34^{\circ}34'$ , long.  $102^{\circ}16'$ . Drilled unused water-table well in sand, diameter 4 inches, depth 173 feet. Highest water level 151.20 below lsd, Mar. 14, 1949; lowest 153.92 below lsd, Dec. 19, 1940. Records available: 1938-51. Jan. 27, 151.64.

201. J. C. Heiman. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 339, blk. M6, lat.  $34^{\circ}32'$ , long.  $102^{\circ}12'$ . Drilled unused water-table well in sand, diameter 5 inches, depth 183 feet. Highest water level 151.49 below lsd, Mar. 3, 1948; lowest 154.60 below lsd, Jan. 15, 1951. Records available: 1938-44, 1947-51. Jan. 15, 154.60.

202. Frank Huseman. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 222, blk. M6, lat.  $34^{\circ}31'$ , long.  $102^{\circ}06'$ . Drilled unused water-table well in sand, diameter 4 inches, depth 126 feet. Highest water level 101.50 below lsd, Feb. 3, 1944; lowest 104.59 below lsd, Jan. 15, 1951. Records available: 1938-42, 1944-51. Jan. 15, 104.59.

339a. Harry Kleman. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 180, blk. M6, lat.  $34^{\circ}30'$ , long.  $102^{\circ}03'$ . Drilled irrigation water-table well in sand, diameter 18 inches, depth 230 feet. Highest water level 120.25 below lsd, Feb. 3, 1943; lowest 124.97 below lsd, Jan. 15, 1951. Records available: 1943-51. Jan. 15, 124.97.

394. R. J. Wall. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, blk. S2, lat.  $34^{\circ}23'$ , long.  $102^{\circ}06'$ . Drilled irrigation water-table well in sand, diameter 12 inches, depth 305 feet. Highest water level 90.58 below lsd, Feb. 24, 1943; lowest 96.71 below lsd, Jan. 15, 1951. Records available: 1939-40, 1942-51. Jan. 15, 96.71.

395a. J. R. Riley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. S2, lat.  $34^{\circ}22'$ , long.  $102^{\circ}05'$ . Drilled irrigation water-table well in sand, diameter 14 inches, depth 207 feet. Highest water level 88.00 below lsd, Feb. 24, 1943; lowest 94.99 below lsd, Jan. 15, 1951. Records available: 1940, 1942-51. Jan. 15, 94.99.

410b. L. W. Guthrie. NW $\frac{1}{4}$  sec. 7, blk. K-3, lat.  $34^{\circ}20'$ , long.  $102^{\circ}00'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 228 feet. Highest water level 63.82 below lsd, Apr. 2, 1942; lowest 76.02 below lsd, Jan. 15, 1951. Records available: 1942-51. Jan. 15, 76.02.

465. Tom Lewis. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 38, blk. T4, lat.  $34^{\circ}25'$ , long.  $102^{\circ}22'$ . Drilled irrigation water-table well in sand, depth 197 feet. Highest water level 94.43 below lsd, Feb. 27, 1946; lowest 96.97 below lsd, Jan. 14, 1947. Records available: 1939, 1942-49, 1951. Jan. 15, 96.96.

508. Sam Gilbreath. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, blk. K13, lat.  $34^{\circ}22'$ , long.  $102^{\circ}15'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, cased to 200. Highest water level 75.33 below lsd, Feb. 24, 1943; lowest 83.15 below lsd, Feb. 16, 1950. Records available: 1938, 1942-44, 1946-51. Jan. 15, 81.69.

528a. M. H. Fawkes. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 53, blk. K13, lat.  $34^{\circ}23'$ , long.  $102^{\circ}19'$ . Drilled irrigation water-table well in sand, depth 202 feet. Highest water level 85.77 below lsd, Feb. 24, 1943; lowest 95.06 below lsd, Jan. 15, 1951. Records available: 1942-45, 1947-51. Jan. 15, 95.06.

529. Irving Redecker. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 52, blk. T4, lat.  $34^{\circ}23'$ , long.  $102^{\circ}20'$ . Drilled irrigation water-table well in sand, diameter 14 inches, depth 200 feet. Highest water level 88.20 below lsd, Feb. 4, 1944; lowest 95.24 below lsd, Jan. 15, 1951. Records available: 1939, 1944-51. Jan. 15, 95.24.

544a. N. F. Cleavinger. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, blk. 1, lat.  $34^{\circ}19'$ , long.  $102^{\circ}20'$ . Drilled irrigation water-table well in sand, diameter 14 inches, depth 161 feet. Highest water level 89.69 below lsd, Feb. 23, 1943; lowest 98.34 below lsd, Jan. 15, 1951. Records available: 1940, 1942-44, 1946-51. Jan. 15, 98.34.

Chambers County

Measurement discontinued in wells E-42, E-86, I-8.

A-17. Crumpler Bros. In Mont Belvieu. Lat. 29°50', long. 94°52'. Drilled unused artesian well in sand, diameter 9 inches, depth 254. Highest water level 50.18 below lsd, Mar. 31, 1941; lowest 79.00 below lsd, Oct. 15, 1951. Records available: 1941, 1948-51. Apr. 19, 76.70; Oct. 15, 79.00.

C-21. U. S. Dept. of Agriculture. Lat. 29°42', long. 94°37'. Drilled unused artesian well in sand, diameter 2 inches, depth 181 feet. Highest water level 6.49 below lsd, Apr. 10, 1950; lowest 9.35 below lsd, Apr. 15, 1941. Records available: 1941, 1948-51. Apr. 20, 7.66; Oct. 11, 8.47.

D-17. Walter Simon. Lat. 29°41', long. 94°28'. Drilled unused artesian well in sand, diameter 30 to 16 inches, depth 500 feet. Highest water level 5.78 below lsd, Nov. 8, 1949; lowest 9.97 below lsd, Oct. 11, 1951. Records available: 1941, 1949-51. Apr. 20, 9.05; Oct. 11, 9.97.

E-14. Salt Dome Oil Corp. Lat. 29°45', long. 94°51'. Drilled farm artesian well in sand, diameter 5 inches, depth 475 feet, screen at 453-475. Highest water level 43.44 below lsd, Apr. 19, 1941; lowest 69.30 below lsd, Oct. 15, 1951. Records available: 1941, 1948-51. Apr. 19, 65.70; Oct. 15, 69.30.

E-23. Dr. Shear. Lat. 29°44', long. 94°50'. Drilled unused artesian well in sand, diameter 4 inches, depth 240 feet, screen at 230-240. Highest water level 18.91 below lsd, Mar. 29, 1941; lowest 23.00 below lsd, Oct. 15, 1951. Records available: 1928, 1941, 1948-51. Apr. 19, 22.58; Oct. 15, 23.00.

E-60. Asa Wilburn. Lat. 29°41', long. 94°54'. Drilled stock artesian well in sand, diameter 3 inches, depth 94 feet. Highest water level 14.43 below lsd, Apr. 27, 1949; lowest 15.88 below lsd, Apr. 5, 1941. Records available: 1941, 1948-51. Apr. 19, 15.15; Oct. 15, 15.18.

E-90. Old River Rice Co. Lat. 29°45', long. 94°53'. Drilled unused artesian well in sand, diameter 4 to 2 inches, depth 290 feet, screen at 275-290. Highest water level 5.64 below lsd, Apr. 27, 1949; lowest 13.59 below lsd, Oct. 15, 1951. Records available: 1934, 1941, 1948-51. Apr. 19, 10.27; Oct. 15, 13.59.

F-25. Josh Mayes. Lat. 29°49', long. 94°43'. Drilled unused artesian well in sand, diameter 2 inches, depth 184 feet, screen at 495-515. Highest water level flowing, Apr. 24, 1941; lowest 9.11 below lsd, Oct. 11, 1951. Records available: 1941, 1948-51. Apr. 20, 8.03; Oct. 11, 9.11.

F-42. G. Chambliss. Lat. 29°45', long. 94°41'. Drilled unused artesian well in sand, diameter 3 inches, depth 96 feet, screen at 86-96. Highest water level 4.89 below lsd, July 24, 1941; lowest 9.08 below lsd, Oct. 6, 1948. Records available: 1941, 1948-51. Apr. 20, 6.90; Oct. 11, 7.84.

G-8. U. S. Dept. of Agriculture. Lat. 29°34', long. 94°34'. Drilled farm artesian well in sand, diameter 2 inches, depth 184 feet. Highest water level 5.54 below lsd, May 22, 1941; lowest 10.89 below lsd, Apr. 23, 1951. Records available: 1941, 1948-51. Apr. 23, 10.89; Oct. 11, 10.58.

G-69. U. S. Dept. of Agriculture. Lat. 29°37', long. 94°34'. Drilled unused artesian well in sand, diameter 2 inches, depth 445 feet. Highest water level 5.44 below lsd, May 2, 1941; lowest 13.90 below lsd, Oct. 11, 1951. Records available: 1941, 1948-51. Apr. 20, 13.46; Oct. 11, 13.90.

H-80. R. Barrow. Lat. 29°30', long. 94°28'. Drilled farm artesian well in sand, diameter 3 inches, depth 208 feet. Highest water level 0.02 above lsd, Nov. 9, 1949; lowest 3.09 below lsd, Nov. 20, 1948. Records available: 1941, 1948-51. Apr. 23, 1.5.

J-13. Sun Oil Co. Lat. 29°27', long. 94°42'. Drilled industrial artesian well in sand, diameter 5 inches, depth 203 feet, screen at 203-223. Highest water level 4.60 below lsd, Mar. 17, 1949; lowest 22.12 below lsd, Nov. 9, 1949. Records available: 1944, 1949-51. Apr. 23, 6.27; Oct. 11, 5.72.

K-7. R. Barrow. Lat. 29°29', long. 94°37'. Drilled unused artesian well in sand, diameter 2 inches, depth 596 feet, screen at 581-596. Highest water level 2.84 below lsd, Mar. 17, 1948; lowest 19.65 below lsd, Apr. 23, 1951. Records available: 1948-51. Apr. 23, 19.65; Oct. 11, 19.52. Measurement discontinued.

Cochran County

Measurement discontinued in well 11b.

1. Beck Gin Co. In Whiteface, lat. 33°36', long. 102°36'. Drilled industrial water-table well in sand, diameter 6 inches. Highest water level 149.20 below lsd, Jan. 17, 1951; lowest 157.37 below lsd, Feb. 15, 1950. Records available: 1937-42, 1944-48, 1950-51. Jan. 17, 149.20.

5. Dave Linder. Lat. 33°40', long. 102°42'. Drilled farm water-table well in sand, diameter 6 inches, depth 146 feet. Highest water level 124.16 below lsd, Feb. 15, 1950; lowest 131.40 below lsd, Jan. 17, 1951. Records available: 1937-41, 1944-51. Jan. 17, 131.40.

Comal County

221. Albert Simon. Lat. 29°44', long. 98°08'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 186 feet. Land-surface datum is 792.99 feet above msl. Highest water level 155.72 below lsd, May 23, 1945; lowest 177.81 below lsd, Dec. 19, 1951. Records available: 1939-51. Jan. 4, 170.35; Aug. 2, 171.46; Dec. 19, 177.81.

222. William Kraft. Lat. 29°44', long. 98°08'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 190 feet. Land-surface datum is 805.50 feet above msl. Highest water level 168.68 below lsd, Apr. 23, 1945; lowest 186.63 below lsd, Dec. 19, 1951. Records available: 1939-46, 1948-51. Aug. 8, 185.90; Dec. 19, 186.63.

223. L. S. Davis. Lat. 29°45', long. 98°09'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 320 feet. Land-surface datum is 840.07 feet above msl. Highest water level 197.55 below lsd, Apr. 23, 1945; lowest 218.84 below lsd, Aug. 2, 1951. Records available: 1936, 1939-51. Aug. 2, 218.84.

225. W. H. Harborth Estate. Lat. 29°44', long. 98°10'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 265 feet. Land-surface datum is 809.05 feet above msl. Highest water level 162.02 below lsd, May 23, 1945; lowest 187.27 below lsd, Oct. 28, 1936. Records available: 1936, 1939-51. Jan. 4, 182.45; Apr. 2, 183.33; Aug. 2, 183.81; Dec. 19, 185.42.

232. Krueger Bros. Lat. 29°43', long. 98°13'. Drilled farm artesian well in limestone, diameter 6 inches, depth 250 feet. Land-surface datum is 941.79 feet above msl. Highest water level 167.52 below lsd, Apr. 19, 1943; lowest 197.77 below lsd, Jan. 3, 1951. Records available: 1937, 1939-48, 1950-51. Jan. 3, 197.77.

263a. Walter Kappelmacher. Lat. 29°43', long. 98°10'. Drilled domestic water-table well in Edwards limestone, diameter 8 inches, depth 300 feet. Land-surface datum is 861.68 feet above msl. Highest water level 220.85 below lsd, Dec. 11, 1942; lowest 235.65 below lsd, Jan. 4, 1951. Records available: 1939-51. Jan. 4, 235.65.

271. Albert Wallhoeffner. Lat. 29°45', long. 98°05'. Drilled farm well in Edwards limestone, diameter 6 inches, depth 140 feet. Land-surface datum is 700.60 feet above msl. Highest water level 83.64 below lsd, May 22, 1945; lowest 93.36 below lsd, Dec. 19, 1951. Records available: 1936-51. Jan. 5, 92.27; Apr. 2, 92.64; Aug. 2, 92.81; Dec. 19, 93.36.

274. Charles Soechting. Lat. 29°46', long. 98°03'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 210 feet. Land-surface datum is 758.31 feet above msl. Highest water level 144.08 below lsd, May 23, 1945; lowest 156.89 below lsd, Apr. 2, 1951. Records available: 1937-51. Jan. 5, 154.30; Apr. 2, 156.89; Aug. 2, 156.74; Dec. 19, 156.48.

278. Raymond A. Jentsch. Formerly Nancy Gruene. Lat. 29°46', long. 98°03'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 210 feet. Land-surface datum is 752.71 feet above msl. Highest water level 143.26 below lsd, July 6, 1945; lowest 153.78 below lsd, Dec. 19, 1951. Records available: 1936-51. Jan. 5, 151.64; Apr. 2, 152.65; Aug. 8, 152.47; Dec. 19, 153.78.

291. Oscar Preiss. Lat. 29°44', long. 98°06'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 65 feet. Land-surface datum is 672.12 feet above msl. Highest water level 49.47 below lsd, May 23, 1941; lowest 55.77 below lsd, Jan. 4, 1951. Records available: 1936-51. Jan. 4, 55.77. Measurement discontinued.

326. William Schaeffer. Lat. 29°38', long. 98°13'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 300 feet. Land-surface datum is 684.45 feet above msl. Highest water level 27.47 below lsd, May 19, 1938; lowest 51.51 below lsd, Aug. 2, 1951. Records available: 1934, 1937-51. Jan. 3, 45.12; Apr. 2, 46.42; Aug. 2, 51.51; Dec. 19, 50.17.

336. A. W. Feich. Lat. 29°39', long. 98°11'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 700 feet. Land-surface datum is 728.17 feet above msl. Highest water level 69.94 below lsd, May 28, 1934; lowest 97.89 below lsd, Aug. 2, 1951. Records available: 1934, 1936-51. Jan. 3, 92.14; Apr. 2, 93.68; Aug. 2, 97.89; Dec. 19, 96.64.

373. L. Jentsch. Lat. 29°40', long. 98°09'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 485 feet. Land-surface datum is 661.45 feet above msl. Highest water level 16.44 below lsd, Dec. 4, 1936; lowest 32.94 below lsd, Dec. 19, 1951. Records available: 1936-51. Jan. 3, 29.03; Apr. 2, 30.14; Aug. 2, 32.86; Dec. 19, 32.94.

397. D. N. Barnett. Lat. 29°37', long. 98°15'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 378 feet. Land-surface datum is 836.51 feet above msl. Highest water level 175.10 below lsd, May 19, 1938; lowest 200.36 below lsd, Aug. 2, 1951. Records available: 1937-40, 1944-45, 1948-51. Jan. 3, 193.80; Apr. 2, 195.20; Aug. 2, 200.36.

399. John Karbach. Lat. 29°45', long. 98°06'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 181 feet. Land-surface datum is 783.27 feet above msl. Highest water level 165.71 below lsd, May 23, 1945; lowest 177.62 below lsd, Dec. 19, 1951. Records available: 1937-51. Jan. 5, 176.03; Dec. 19, 177.62.

430. U. S. Geol. Survey. At Davenport School, lat. 29°37', long. 98°18'. Drilled observation artesian well in sand, diameter 6 inches, depth 225 feet. Land-surface datum is 851.73 feet above msl. Highest water level 192.9 below lsd, May 16, 1949; lowest 215.7 below lsd, Aug. 31, 1951. Records available: 1948-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	205.2	206.4	206.2	207.0	209.1	208.3	209.9	213.6	215.7	212.8	212.8	212.2
2	204.9	206.4	206.2	207.0	209.2	208.5	210.0	213.7	215.6	212.9	212.8	212.1
3	205.0	206.6	206.3	207.1	209.2	207.9	210.2	213.8	215.3	213.0	212.7	212.0
4	205.1	206.6	206.4	207.3	209.1	207.2	210.4	214.0	215.2	213.2	212.5	212.1
5	205.3	206.5	206.3	207.4	209.3	207.0	210.5	214.0	215.2	213.2	212.4	212.1
6	205.4	206.5	206.6	207.5	209.3	206.8	210.7	214.0	215.4	213.5	212.5	212.1
7	205.4	206.7	206.8	207.4	209.1	206.8	210.9	214.2	215.5	213.5	212.6	212.2
8	205.4	206.7	207.0	207.3	208.8	206.8	210.9	214.3	215.7	213.4	212.7	212.3
9	205.4	206.8	207.2	207.3	208.6	206.9	210.9	214.5	215.5	213.5	212.7	212.3
10	205.5	206.8	207.3	207.4	206.9	206.9	211.2	214.6	215.3	213.6	212.8	212.2
11	205.5	207.0	207.3	207.4	208.5	207.0	211.4	214.8	215.5	213.7	212.7	212.2
12	205.5	206.9	207.2	207.5	208.5	207.2	211.5	214.7	215.5	213.8	212.6	212.2
13	205.5	207.0	207.1	207.6	208.4	207.2	211.7	214.6	215.0	213.9	212.6	212.3
14	205.4	207.1	207.1	207.7	208.2	207.1	211.5	214.9	214.6	213.8	212.8	212.3
15	205.4	207.1	207.2	207.9	208.1	207.3	211.4	215.0	214.2	213.8	212.9	212.4
16	205.6	207.1	207.3	208.0	208.0	207.5	211.2	215.1	213.9	213.8	213.0	212.4
17	205.6	207.0	207.4	208.1	207.8	207.6	211.4	215.2	213.7	213.9	213.0	212.2
18	205.7	206.7	207.5	209.3	207.7	207.7	211.6	215.3	213.5	214.0	212.8	212.2
19	205.8	206.6	207.4	208.4	207.6	207.9	211.9	215.1	213.4	214.1	212.7	212.2
20	205.9	206.5	207.4	208.6	207.6	208.2	212.1	214.8	213.4	214.1	212.7	212.1
21	205.9	206.5	207.5	208.7	207.5	209.5	212.3	214.9	213.4	214.0	212.7	212.4
22	205.9	216.5	207.6	208.8	207.6	208.8	212.4	215.0	213.4	213.9	212.5	212.4
23	205.9	206.5	207.6	208.8	207.8	209.0	212.4	215.2	213.4	214.0	212.4	212.3
24	206.0	206.4	207.9	208.9	207.7	209.1	212.6	215.3	213.2	213.8	212.5	212.2
25	206.1	206.3	207.9	209.0	207.6	209.1	212.8	215.3	213.2	213.6	212.4	212.1
26	206.2	216.2	207.6	209.1	207.5	209.1	212.9	215.2	213.1	213.4	212.4	212.1
27	206.2	206.2	207.4	209.1	207.4	209.2	213.1	215.0	213.0	213.2	212.3	212.2
28	206.2	206.2	207.2	209.2	207.3	209.4	213.2	215.2	213.0	213.0	212.3	212.2
29	206.1		207.1	209.0	207.5	209.6	213.2	215.4	212.9	212.8	212.3	212.3
30	206.2		207.1	208.9	207.8	209.8	213.1	215.6	212.9	212.8	212.2	212.3
31	206.2		207.1		208.0		213.4	215.7		212.8		212.3

431. U. S. Geol. Survey. In Landa Park, lat. 29°42', long. 98°08'. Drilled observation water-table well in Edwards limestone, diameter 7 to 3 inches, depth 230 feet, cased to 27 feet. Land-surface datum is 642.7 feet above msl. Highest water level 16.9 below lsd, May 16, 1949; lowest 20.19 below lsd, Aug. 25, 1951. Records available: 1948-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.61	18.81	18.83	18.86	19.25	.....	19.29	19.82	20.16	19.80	19.75	19.74
2	18.59	18.83	18.80	18.87	19.25	.....	19.29	19.85	20.16	19.81	19.77	19.71
3	18.61	18.82	18.81	18.88	19.22	.....	19.35	19.84	20.07	19.83	19.75	19.71
4	18.63	18.83	18.81	.....	19.22	18.91	19.38	19.85	20.06	19.86	19.71	19.68
5	18.68	18.82	18.83	.....	19.27	18.91	19.35	19.86	20.07	19.86	19.71	19.70
6	18.68	18.84	18.83	.....	19.26	18.91	19.45	19.85	20.11	19.86	19.73	19.73
7	18.68	18.86	18.84	.....	19.26	18.91	19.46	19.90	20.15	19.88	19.73	19.73
8	18.69	18.85	18.86	.....	19.23	18.91	19.45	19.92	20.19	19.87	19.74	19.73
9	18.68	18.85	18.87	.....	19.16	18.91	19.45	19.95	20.13	19.89	19.73	19.75
10	18.64	18.87	18.88	.....	.....	18.91	19.54	19.98	20.09	19.90	19.75	19.73

431--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	18.68	18.86	18.87	.....	19.18	18.91	19.60	19.99	20.14	19.92	19.73	19.73
12	18.71	18.87	18.88	.....	.....	18.93	19.60	19.96	20.12	19.92	19.72	19.70
13	18.72	18.86	18.88	.....	.....	18.92	19.60	19.98	19.93	19.94	19.71	19.70
14	18.70	18.87	18.88	.....	.....	18.92	19.60	20.01	19.95	19.92	19.74	19.71
15	18.70	18.87	18.88	.....	.....	18.93	19.60	20.07	19.94	19.91	19.74	19.72
16	18.73	18.88	18.88	.....	.....	18.99	19.60	20.06	19.88	19.93	19.77	19.73
17	18.71	18.87	.....	.....	.....	18.99	19.60	20.14	19.86	19.96	19.82	19.74
18	18.72	18.85	.....	19.10	.....	18.97	19.60	20.04	19.84	19.96	19.80	19.73
19	18.74	18.83	.....	19.13	.....	19.01	19.60	19.96	19.83	19.95	19.80	19.73
20	18.78	18.84	.....	19.17	.....	19.08	19.70	20.00	19.83	19.95	19.80	19.72
21	18.76	18.84	.....	19.10	.....	19.10	19.67	20.01	19.84	19.93	19.78	19.75
22	18.75	18.84	.....	19.18	19.06	19.12	19.64	20.04	19.86	19.94	19.76	19.73
23	18.74	18.84	.....	19.20	.....	19.18	19.62	20.05	19.83	19.91	19.75	19.72
24	18.77	18.83	.....	19.16	.....	19.20	19.65	20.09	19.81	19.88	19.76	19.71
25	18.77	18.79	.....	19.17	.....	19.18	19.66	20.19	19.81	19.86	19.74	19.70
26	18.78	18.81	.....	19.20	.....	19.18	19.71	20.06	19.79	19.83	19.75	18.71
27	18.78	18.81	.....	19.19	.....	19.18	19.74	20.03	19.79	19.81	19.72	19.71
28	18.81	18.80	18.88	19.23	.....	19.23	19.76	20.06	19.78	19.76	19.73	19.71
29	18.79	.....	18.86	19.19	.....	19.27	19.74	20.11	19.76	19.78	19.73	19.71
30	18.79	.....	18.86	19.19	.....	19.28	19.77	20.14	.....	19.76	19.74	19.71
31	18.78	.....	18.85	.....	.....	.....	19.80	20.15	.....	19.75	.....	19.73

Crosby County

Measurement discontinued in wells 9 and 14.

1. J. T. Vaughn. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. M, lat. 33°47', long. 101°23'. Drilled domestic water-table well in sand, diameter 6 inches, depth 208 feet, cased to 208. Highest water level 112.53 below lsd, Jan. 28, 1943; lowest 119.16 below lsd, Jan. 24, 1951. Records available: 1937-40, 1942-44, 1946-51. Jan. 24, 119.16.

2. C. B. Travis. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. M, lat. 33°46', long. 101°23'. Drilled farm water-table well in sand, depth 121 feet. Highest water level 105.32 below lsd, Feb. 8, 1944; lowest 111.36 below lsd, Feb. 19, 1950. Records available: 1937-40, 1942-44, 1947-50. Measurement discontinued.

3. New Home School. NW. corner S. M. Walker survey, lat. 33°44', long. 101°23'. Drilled domestic water-table well in sand, diameter 6 inches, depth 173 feet. Highest water level 135.03 below lsd, Dec. 17, 1939; lowest 147.12 below lsd, Feb. 19, 1950. Records available: 1937-41, 1944-50. No measurement made in 1951.

3b. B. L. Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. C, lat. 33°48', long. 101°32'. Drilled irrigation water-table well in sand. Highest water level 82.07 below lsd, Mar. 5, 1947; lowest 91.28 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 91.28.

4. J. A. McGlocklen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 114, GTRR Survey, lat. 33°41', long. 101°23'. Drilled farm water-table well in sand, diameter 6 inches, depth 152 feet. Highest water level 118.77 below lsd, Oct. 22, 1942; lowest 149.04 below lsd, Jan. 24, 1951. Records available: 1937-45, 1949-51. Jan. 24, 149.04.

6. Miss D. M. Ralls. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. A-278, lat. 33°40', long. 101°25'. Drilled farm water-table well in sand, diameter 6 inches, depth 166 feet. Highest water level 117.72 below lsd, Apr. 14, 1938; lowest 125.48 below lsd, Jan. 24, 1951. Records available: 1937-40, 1946, 1949, 1951. Jan. 24, 125.48.

7. B. F. Lackey. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 920, blk. C3, lat. 33°40', long. 101°26'. Drilled unused water-table well in sand, diameter 6 inches, depth 122 feet. Highest water level 93.48 below lsd, Apr. 14, 1938; lowest 109.77 below lsd, Feb. 19, 1950. Records available: 1937-42, 1944-50. No measurement made in 1951.

11b. Grady Joiner. NW. corner sec. 54, blk. C, lat. 33°40', long. 101°33'. Drilled irrigation water-table well in sand. Highest water level 78.10 below lsd, Jan. 1946; lowest 99.69 below lsd, Jan. 24, 1951. Records available: 1946-51. Jan. 24, 99.69.

12b. John Joiner. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, blk. C, lat. 33°45', long. 101°31'. Drilled irrigation water-table well in sand, depth 135 feet. Highest water level 92.14 below lsd, Mar. 4, 1947; lowest 103.09 below lsd, Jan. 24, 1951. Records available: 1947-49, 1951. Jan. 24, 103.09.



13a. Floyd Blankenship. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 60, blk. C, lat. 33°45', long. 101°33'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 286 feet. Highest water level 81.69 below lsd, Mar. 5, 1947; lowest 92.86 below lsd, Jan. 24, 1951. Records available: 1947-49, 1951. Jan. 24, 92.86.

17a. G. B. Parish. NW. corner NE $\frac{1}{4}$  sec. 10, blk. C, lat. 33°46', long. 101°28'. Drilled irrigation water-table well in sand. Highest water level 93.00 below lsd, Oct. 28, 1938; lowest 112.40 below lsd, Jan. 24, 1951. Records available: 1938, 1947-51. Jan. 24, 112.40.

21a. Lynn Foster. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, blk. C, lat. 33°46', long. 101°27'. Drilled irrigation water-table well in sand. Highest water level 102.06 below lsd, Mar. 5, 1947; lowest 108.01 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 108.01.

340. T. M. Scott. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, blk. C3, lat. 33°39', long. 101°29'. Drilled irrigation water-table well in sand. Highest water level 90.66 below lsd, Feb. 18, 1948; lowest 97.30 below lsd, Jan. 24, 1951. Records available: 1948-51. Jan. 24, 97.30.

343c. Roy Abell. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 907, blk. CS, lat. 33°41', long. 101°30'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 369 feet. Highest water level 91.00 below lsd, Mar., 1945; lowest 103.30 below lsd, Feb. 19, 1950. Records available: 1945, 1947, 1949-51. Jan. 24, 101.25.

412. Westerman. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1074, blk. C3, lat. 33°36', long. 101°30'. Drilled irrigation water-table well in sand. Highest water level 102.28 below lsd, Feb. 18, 1948; lowest 109.00 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 109.00.

415a. Mrs. Hendricks. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 46, blk. C, lat. 33°36', long. 101°32'. Drilled irrigation water-table well in sand. Highest water level 72.30 below lsd, Mar. 1, 1947; lowest 85.47 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 85.47.

#### Dawson County

101. F. King. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. 35, T. 6 N., lat. 32°45', long. 101°53'. Drilled unused water-table well in sand, diameter 22 inches, depth 150 feet, cased to 140. Highest water level 119.67 below lsd, Feb. 6, 1951; lowest 122.84 below lsd, Jan. 23, 1939. Records available: 1938-40, 1944, 1949-51. Feb. 6, 119.67.

613. J. A. E. Gary. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 107, blk. 34, lat. 32°55', long. 101°51'. Drilled farm water-table well in sand, diameter 6 inches, depth 191 feet, casing perforated at 101-191. Highest water level 54.01 below lsd, Feb. 6, 1951; lowest 59.45 below lsd, July 1, 1937. Records available: 1937-38, 1944, 1949-51. Feb. 6, 54.01.

706. H. Richardson. SE. corner sec. 12, blk. 35, lat. 32°37', long. 101°49'. Drilled farm water-table well in sand, diameter 6 inches, depth 174 feet. Highest water level 77.52 below lsd, Feb. 6, 1951; lowest 84.25 below lsd, Aug. 6, 1937. Records available: 1937-38, 1940, 1943-44, 1949-51. Feb. 6, 77.52.

709. Truett Shipley. SW. corner sec. 47, blk. 35, lat. 32°38', long. 101°51'. Drilled farm water-table well in sand, diameter 6 inches, depth 74 feet. Highest water level 61.49 below lsd, Feb. 20, 1950; lowest 67.64 below lsd, Aug. 6, 1937. Records available: 1937-40, 1949-51. Feb. 6, 61.75.

715. H. H. Barron. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, blk. 35, lat. 32°41', long. 101°54'. Drilled stock water-table well in sand, diameter 6 inches, depth 81 feet. Highest water level 65.76 below lsd, Feb. 6, 1951; lowest 73.66 below lsd, July 13, 1937. Records available: 1937-38, 1942-44, 1949-51. Feb. 6, 65.76.

#### Deaf Smith County

113a. Steffy. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 58, blk. K4, lat. 34°59', long. 102°23'. Drilled irrigation water-table well in sand. Replacement for well 113. Highest water level 103.64 below lsd, Mar. 15, 1948; lowest 107.10 below lsd, Jan. 29, 1951. Records available: 1946-51. Jan. 29, 107.10.

130. Deaf Smith County School. NE. corner of J. M. Burns survey, lat. 35°04', long. 102°16'. Drilled unused water-table well in sand, diameter 4 inches, depth 140 feet. Highest water level 129.44 below lsd, Mar. 1, 1945; lowest 131.25 below lsd, Jan. 29, 1951. Records available: 1938, 1943-51. Jan. 29, 131.25.

150. I. J. Loving. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 79, blk. K4, lat. 34°58', long. 102°24'. Drilled unused water-table well in sand, diameter 6 inches, depth 100 feet. Highest water level 95.73 below lsd, July 28, 1939; lowest 103.36 below lsd, Feb. 14, 1950. Records available: 1938-44, 1946-50. Measurement discontinued.

201. W. R. Hastings. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 92, blk. K3, lat. 34°55', long. 102°27'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 212 feet. Highest water level 101.55 below lsd, Dec. 11, 1937; lowest 106.24 below lsd, Jan. 30, 1951. Records available: 1937-38, 1948-51. Jan. 30, 106.24.

205. J. L. McGee. NW corner sec. 50, blk. K3, lat. 34°57', long. 102°22'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 154 feet. Highest water level 74.22 below lsd, Nov. 9, 1937; lowest 93.97 below lsd, Jan. 29, 1951. Records available: 1937-38, 1941-46, 1948-51. Jan. 29, 93.97.

207. Charles B. Miles. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. K3, lat. 34°55', long. 102°18'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 108 feet. Highest water level 53.81 below lsd, June 18, 1936; lowest 63.61 below lsd, Jan. 26, 1951. Records available: 1936-41, 1944-51. Jan. 26, 63.61.

212. Alfred May. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. 3, lat. 34°56', long. 102°15'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 140 feet. Highest water level 70.26 below lsd, Nov. 25, 1937; lowest 84.61 below lsd, Jan. 26, 1951. Records available: 1936-49, 1951. Jan. 26, 84.61.

216. C. C. Stewart. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, blk. 3, lat. 34°55', long. 102°12'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 160 feet. Highest water level 66.18 below lsd, Mar. 12, 1938; lowest 71.79 below lsd, Mar. 8, 1949. Records available: 1937-47, 1949-51. Jan. 26, 71.62.

217. W. E. Neal. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, blk. 3, lat. 34°54', long. 102°11'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 83.94 below lsd, May, 1936; lowest 95.95 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 95.95.

219. J. E. Manz. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, blk. 3, lat. 34°57', long. 102°12'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 162 feet. Highest water level 73.54 below lsd, Mar. 20, 1939; lowest 82.04 below lsd, Jan. 26, 1951. Records available: 1937-44, 1946, 1948-51. Jan. 26, 82.04.

220. C. T. Wimberly. SW corner sec. 22, blk. 3, lat. 34°54', long. 102°13'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 180 feet. Highest water level 83.08 below lsd, Mar. 20, 1939; lowest 99.23 below lsd, Jan. 26, 1951. Records available: 1937-42, 1944-51. Jan. 26, 99.23, pumped recently.

224. A. T. Fry. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, blk. 3, lat. 34°53', long. 102°14'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 180 feet. Highest water level 54.48 below lsd, Dec. 6, 1939; lowest 62.40 below lsd, Mar. 12, 1948. Records available: 1937-44, 1946, 1948-51. Jan. 26, 59.51.

226. Jack Renfro. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 7, blk. K3, lat. 34°54', long. 102°17'. Drilled irrigation water-table well in sand, diameter 26 inches. Highest water level 48.57 below lsd, Feb. 9, 1943; lowest 63.59 below lsd, Jan. 26, 1951. Records available: 1936, 1938-51. Jan. 26, 63.59.

230. E. C. Reineaur. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, blk. K3, lat. 34°53', long. 102°17'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 40.44 below lsd, June 23, 1936; lowest 51.39 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 51.39.

234. H. M. Horton. Sec. 534, excess acreage strip, lat. 34°52', long. 102°16'. Drilled farm water-table well in sand, diameter 5 inches. Highest water level 47.08 below lsd, Feb. 17, 1942; lowest 53.28 below lsd, Mar. 10, 1949. Records available: 1937-44, 1946-47, 1949-51. Feb. 5, 52.73.

235. Lewis A. Smith. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. K3, lat. 34°51', long. 102°17'. Drilled irrigation water-table well in sand, depth 105 feet. Highest water level 48.61 below lsd, Dec. 23, 1941; lowest 55.71 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 55.71.

236. Ray Kershen. SW corner sec. 5, blk. K3, lat. 34°51', long. 102°17'. Drilled irrigation water-table well in sand, diameter 6 inches. Highest water level 46.40 below lsd, June 24, 1937; lowest 55.87 below lsd, Feb. 5, 1951. Records available: 1937-51. Feb. 5, 55.87.

237. Ray Kershen. NW corner sec. 5, blk. K3, lat. 34°52', long. 102°17'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 150 feet. Highest water level 40.20 below lsd, June 11, 1936; lowest 51.49 below lsd, Feb. 17, 1950. Records available: 1934, 1936-51. Jan. 26, 51.11.

241. Frank Wilde. NW. corner sec. 17, blk. K3, lat. 34°51', long. 102°18'. Drilled unused water-table well in sand, diameter 26 inches, depth 100 feet. Highest water level 47.14 below lsd, Dec. 4, 1937; lowest 55.94 below lsd, Jan. 26, 1951. Records available: 1937-51. Jan. 26, 55.94.

245. E. F. Plank. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, blk. K3, lat. 34°52', long. 102°19'. Drilled unused water-table well in sand, diameter 24 inches, depth 100 feet. Highest water level 42.67 below lsd, May 8, 1936; lowest 55.01 below lsd, Feb. 15, 1950. Records available: 1934, 1936-51. Jan. 26, 54.37.

247. R. R. Lindsey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, blk. K3, lat. 34°54', long. 102°20'. Drilled stock water-table well in sand, diameter 5 inches, depth 38 feet. Highest water level 19.25 below lsd, Dec. 23, 1941; lowest 29.08 below lsd, Mar. 10, 1949. Records available: 1937-50. No measurement made in 1951.

258. J. R. Davis. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 77, blk. K3, lat. 34°51', long. 102°24'. Drilled irrigation water-table well in sand, diameter 22 to 18 inches, depth 125 feet. Highest water level 52.27 below lsd, Mar. 21, 1939; lowest 67.44 below lsd, Jan. 30, 1951. Records available: 1936-51. Jan. 30, 67.44.

261. D. L. McDonald. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 65, blk. K3, lat. 34°52', long. 102°24'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 179 feet. Highest water level 46.5 below lsd, 1914; lowest 70.78 below lsd, Jan. 29, 1951. Records available: 1914, 1936-51. Jan. 29, 70.78.

265. Reineaur Bros. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 74, blk. K3, lat. 34°54', long. 102°24'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 230 feet. Highest water level 61.49 below lsd, Sept. 15, 1937; lowest 80.43 below lsd, Feb. 14, 1950. Records available: 1937-51. Jan. 30, 77.47.

272. J. L. Hoffman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 86, blk. K3, lat. 34°53', long. 102°26'. Drilled unused water-table well in sand, diameter 22 inches, depth 120 feet. Highest water level 65.56 below lsd, July 17, 1936; lowest 81.29 below lsd, Feb. 14, 1950. Records available: 1936-42, 1944-50. No measurement made in 1951.

281. R. A. Freeman. NW. corner sec. 96, blk. K3, lat. 34°52', long. 102°27'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 120 feet. Highest water level 63.75 below lsd, Oct. 30, 1937; lowest 80.50 below lsd, Feb. 14, 1950. Records available: 1937-41, 1944-51. Jan. 30, 77.98.

283. J. T. Gilbreath. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 133, blk. M7, lat. 34°48', long. 102°26'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 166 feet. Highest water level 60.20 below lsd, May 13, 1936; lowest 69.44 below lsd, Nov. 8, 1940. Records available: 1936-51. Jan. 25, 68.62.

288. Lee Hopson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 63, blk. K3, lat. 34°51', long. 102°24'. Drilled irrigation water-table well in sand, diameter 24 to 16 inches, depth 160 feet, cased to 133. Highest water level 58.00 below lsd, Apr. 18, 1936; lowest 87.20 below lsd, Aug. 2, 1946. Records available: 1936-51. Jan. 30, 77.91.

291. Roy T. Slagle. NW. corner sec. 59, blk. K3, lat. 34°50', long. 102°23'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 117 feet. Highest water level 54.64 below lsd, May 29, 1936; lowest 69.88 below lsd, Jan. 30, 1951. Records available: 1936-51. Jan. 30, 69.88.

301. V. C. Hodges. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 43, blk. K3, lat. 34°50', long. 102°21'. Drilled stock water-table well in sand, diameter 5 inches, depth 56 feet. Highest water level 45.07 below lsd, June 24, 1937; lowest 52.50 below lsd, Jan. 26, 1951. Records available: 1937-41, 1943, 1945-51. Jan. 26, 52.50. Measurement discontinued.

302. Noel Ewton. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 38, blk. K3, lat. 34°50', long. 102°20'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 120 feet. Highest water level 49.12 below lsd, Mar. 21, 1939; lowest 75.90 below lsd, Aug. 5, 1947. Records available: 1936-42, 1944-51. Jan. 26, 54.94.

305. E. L. Adams. NW. corner sec. 100, blk. K3, lat. 34°49', long. 102°27'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 180 feet. Highest water level 79.42 below lsd, Aug. 27, 1937; lowest 99.93 below lsd, Sept. 30, 1948. Records available: 1937, 1945-51. Jan. 25, 94.70.

311. H. H. Boardman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 41, blk. K3, lat. 34°48', long. 102°21'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 100 feet. Highest water level 47.89 below lsd, Mar. 14, 1937; lowest 66.50 below lsd, Aug. 12, 1938. Records available: 1934, 1936-51. Jan. 26, 54.64.

315. William Woulff. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 67, blk. M7, lat. 34°47', long. 102°20'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 130 feet. Highest water level 54.35 below lsd, June 25, 1937; lowest 64.36 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 64.36.

322. Dr. G. W. Heard. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 112, blk. M7, lat. 34°46', long. 102°24'. Drilled unused water-table well in sand, diameter 26 inches, depth 140 feet. Highest water level 69.17 below lsd, May 28, 1936; lowest 86.18 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 86.18.

326. Frank J. Knabe. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 114, blk. M7, lat. 34°45', long. 102°25'. Drilled unused water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 87.07 below lsd, Oct. 27, 1937; lowest 105.93 below lsd, Jan. 26, 1951. Records available: 1937-41, 1945-49, 1951. Jan. 26, 105.93.

331. Owen Andrews. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 107, blk. M7, lat. 34°45', long. 102°24'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 136 feet. Highest water level 74.58 below lsd, Sept. 18, 1937; lowest 89.95 below lsd, Jan. 26, 1951. Records available: 1937-51. Jan. 26, 89.95.

336. George M. Clingan. SW. corner NE $\frac{1}{4}$  sec. 86, blk. M7, lat. 34°46', long. 102°21'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 140 feet. Highest water level 85.46 below lsd, June 25, 1937; lowest 101.30 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 101.30.

340. Felix Urbanczyk. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 108, blk. M7, lat. 34°45', long. 102°24'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 72.88 below lsd, Apr. 17, 1936; lowest 90.35 below lsd, Jan. 26, 1951. Records available: 1936-44, 1946-51. Jan. 26, 90.35.

342. Ed. Dziuk. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 108, blk. M7, lat. 34°46' long. 102°23'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 126 feet, cased to 121. Highest water level 74.01 below lsd, Mar. 29, 1938; lowest 89.05 below lsd, Jan. 25, 1951. Records available: 1937-44, 1947-49, 1951. Jan. 25, 89.05.

394. Paul M. Helmke. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 43, blk. M7, lat. 34°46', long. 102°17'. Drilled irrigation water-table well in sand. Highest water level 79.34 below lsd, Mar. 18, 1947; lowest 83.10 below lsd, Jan. 26, 1951. Records available: 1945-51. Jan. 26, 83.10.

431. S. J. Barclay. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 152, blk. M7, lat. 34°46', long. 102°27'. Drilled stock water-table well in sand, diameter 5 inches, depth 75 feet. Highest water level 66.11 below lsd, Sept. 16, 1937; lowest 76.78 below lsd, Jan. 26, 1951. Records available: 1937-51. Jan. 26, 76.78.

466. Mrs. G. S. Parker. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. K8, lat. 34°51', long. 102°30'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 210 feet. Highest water level 71.20 below lsd, Mar. 18, 1937; lowest 90.27 below lsd, Jan. 25, 1951. Records available: 1937-39, 1941-42, 1944-49, 1951. Jan. 25, 90.27.

502. Carl H. Schroeder. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 50, blk. K8, lat. 34°49', long. 102°32'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 210 feet, cased at 90-210. Highest water level 93.26 below lsd, Nov. 13, 1937; lowest 114.69 below lsd, Jan. 25, 1951. Records available: 1937-42, 1944-51. Jan. 25, 114.69.

506a. Alton Fraser. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, GCSL, lat. 34°48', long. 102°33'. Drilled farm water-table well in sand. Replacement for well 506. Highest water level 81.29 below lsd, Mar. 9, 1948; lowest 86.85 below lsd, Feb. 14, 1950. Records available: 1948-51. Jan. 25, 86.60.

513a. A. E. Acton. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 174, blk. M7, lat. 34°45', long. 102°30'. Drilled irrigation water-table well in sand. Replacement for well 513. Highest water level 81.38 below lsd, Mar. 9, 1948; lowest 84.85 below lsd, Jan. 25, 1951. Records available: 1948-49, 1951. Jan. 25, 84.85.

514. Howard Gault. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 173, blk. M7, lat. 34°45', long. 102°30'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 178 feet. Highest water level 103.62 below lsd, Mar. 29, 1938; lowest 115.17 below lsd, Jan. 25, 1951. Records available: 1937-39, 1941, 1943-51. Jan. 25, 115.17.

919. H. Casad. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 65, blk. M7, lat. 34°46', long. 102°19'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 204 feet. Highest water level 81.70 below lsd, Dec. 5, 1939; lowest 93.77 below lsd, Jan. 26, 1951. Records available: 1939, 1941, 1945-51. Jan. 26, 93.77. Measurement discontinued.

924. Ed Dziuk. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 109, blk. M7, lat. 34°46', long. 102°24'. Drilled farm water-table well in sand, diameter 5 inches, depth 83 feet. Highest water level 67.62 below lsd, Nov. 27, 1942; lowest 78.06 below lsd, Jan. 25, 1951. Records available: 1942, 1944, 1946-47, 1949-51. Jan. 25, 78.06. Measurement discontinued.

934. L. O. Wilson. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 85, blk. M7, lat. 34°45', long. 102°21'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 160 feet. Highest water level 73.60 below lsd, Feb. 26, 1946; lowest 103.15 below lsd, Jan. 26, 1951. Records available: 1945-51. Jan. 26, 103.15.

#### Dimmit County

Measurement discontinued in wells N9-9, N7-78, N8-28, N8-40, N9-16, N9-32, S2-24, N3-10, S3-16, S5-3.

N7-34. Byrd Cattle Co. Lat. 28°38', long. 99°51'. Drilled unused artesian well in Carrizo sand, diameter 8 inches, depth 800 feet. Land-surface datum is 576.40 feet above msl. Highest water level 28.65 below lsd, July 24, 1931; lowest 74.58 below lsd, Sept. 12, 1951. Records available: 1929-51. Sept. 12, 74.58.

N8-19. E. L. Omera. Lat. 28°35', long. 99°49'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 800 feet. Land-surface datum is 602.60 feet above msl. Highest water level 56.75 below lsd, Aug. 15, 1931; lowest 111.20 below lsd, Apr. 18, 1930. Records available: 1929-33, 1937-43, 1947-51. Sept. 12, 98.60.

N8-26. G. C. Riha. Lat. 28°34', long. 99°47'. Drilled irrigation artesian well in Carrizo sand, diameter 8 inches, depth 818 feet. Land-surface datum is 548.80 feet above msl. Highest water level 30.80 below lsd, Sept. 28, 1931; lowest 196.50 below lsd, Sept. 12, 1951. Records available: 1929-41, 1943-46, 1948-51. Sept. 12, 196.50.

N8-103. Marrs McLean. Lat. 28°30', long. 90°41'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 780 feet. Land-surface datum is 501.60 feet above msl. Highest water level 10.10 below lsd, July 27, 1931; lowest 85.67 below lsd, Aug. 15, 1950. Records available: 1929-32, 1935-50. No measurement made in 1951.

N9-12. Federal Land Bank. Lat. 28°34', long. 99°35'. Drilled irrigation artesian well in Carrizo sand, diameter 8 to 6 inches, depth 1,469 feet, cased to 1,469, perforated 1,185-1,469. Land-surface datum is 493.29 feet above msl. Highest water level 6.30 below lsd, July 28, 1931; lowest 107.02 below lsd, Sept. 12, 1951. Records available: 1929-43, 1948-51. Sept. 12, 107.02.

N9-25. Order of Calenthia. Lat. 28°31', long. 99°37'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 1,300 feet. Land-surface datum is 487.40 feet above msl. Highest water level 2.85 below lsd, May 27, 1931; lowest 116.31 below lsd, Sept. 12, 1951. Records available: 1929-33, 1935-40, 1944-46, 1948-51. Sept. 12, 116.31.

N9-33. P. J. Lewis. Lat. 28°31', long. 99°34'. Drilled stock artesian well in Carrizo sand, diameter 6 to 5 inches, depth 1,524 feet, cased to 1,512, perforated 1,062-1,512. Highest water level 13.76 below lsd, Dec. 22, 1932; lowest 80.01 below lsd, Sept. 12, 1951. Records available: 1932, 1936-51. Sept. 12, 80.01.

O7-3. G. W. Hatch. Lat. 28°36', long. 99°26'. Drilled stock artesian well in Carrizo sand, diameter 12 inches, depth 1,800 feet. Land-surface datum is 604.15 feet above msl. Highest water level 90.10 below lsd, Oct. 5, 1931; lowest 147.11 below lsd, Sept. 12, 1951. Records available: 1929-51. Sept. 12, 147.11.

S1-16. C. W. Gilfillan & Son. Lat. 28°27', long. 99°53'. Drilled irrigation water-table well in Carrizo sand, diameter 10 inches, depth 295 feet. Land-surface datum is 669.20 feet above msl. Highest water level 54.90 below lsd, Mar. 1, 1930; lowest 69.17 below lsd, Sept. 11, 1951. Records available: 1930-33, 1935-46, 1948-49, 1951. Sept. 11, 69.17.

S1-18. J. C. Johnson. Lat. 28°22', long. 99°52'. Drilled unused water-table well in Carrizo sand, diameter 10 inches, depth 320 feet. Land-surface datum is 704.10 feet above msl. Highest water level 99.00 below lsd, Mar. 18, 1930; lowest 120.08 below lsd, May 4, 1951. Records available: 1930-51. Jan. 13, 116.45; Feb. 11, 116.49; May 4, 120.08; June 1, 116.86; July 10, 116.90; July 31, 118.01; Sept. 11, 117.83; Oct. 24, 118.07; Nov. 21, 118.07; Dec. 21, 118.21.

S2-27. J. A. McDonald. Lat. 28°27', long. 99°42'. Drilled farm artesian well in Carrizo sand, diameter 8 inches, depth 1,000 feet. Land-surface datum is 528.35 feet above msl. Highest water level 39.00 below lsd, July 27, 1931; lowest 100.70 below lsd, Mar. 20, 1930. Records available: 1929-33, 1935-51. Sept. 12, 91.41.

S2-78. Mr. McClaren. Lat. 28°24', long. 99°43'. Drilled farm artesian well in Carrizo sand, diameter 12 inches, depth 1,000 feet. Land-surface datum is 636.55 feet above msl. Highest water level 143.20 below lsd, Aug. 4, 1941; lowest 246.30 below lsd, Sept. 11, 1951. Records available: 1929-33, 1935-51. Sept. 11, 246.30.

S2-102. J. P. Giles. Lat. 28°22', long. 99°40'. Drilled unused artesian well in Carrizo sand, diameter 10 inches, depth 1,185 feet. Land-surface datum is 581.95 feet above msl. Highest water level 98.85 below lsd, Sept. 29, 1931; lowest 148.50 below lsd, Mar. 19, 1930. Records available: 1929-33, 1935-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	117.38	June 1	120.38	Sept. 11	123.31	Nov. 21	123.37
Feb. 11	117.46	July 10	120.42	Oct. 24	123.31	Dec. 21	123.50
May 4	120.08	31	120.23				

S5-5. Dolph Briscoe. Lat. 28°15', long. 99°48'. Drilled farm artesian well in Carrizo sand, diameter 12 to 10 inches, depth 1,374 feet, cased to 1,083 feet. Land-surface datum is 612.70 feet above msl. Highest water level 62.67 below lsd, Aug. 14, 1937; lowest 100.50 below lsd, Sept. 11, 1951. Records available: 1929-33, 1936-51. Sept. 11, 100.50.

S5-10. Catarina Farms Co. Lat. 28°17', long. 99°40'. Drilled farm artesian well in Carrizo sand, diameter 10 inches, depth 1,615 feet. Land-surface datum is 571.20 feet above msl. Highest water level 75.13 below lsd, Aug. 27, 1936; lowest 132.98 below lsd, Sept. 11, 1951. Records available: 1929-33, 1935-39, 1944-51. Sept. 11, 132.98.

S6-4. O. V. Ray. Lat. 28°17', long. 99°40'. Drilled unused artesian well in Carrizo sand, diameter 10 inches, depth 1,432 feet. Land-surface datum is 482.26 feet above msl. Highest water level 1.05 below lsd, Mar. 21, 1933; lowest 38.80 below lsd, Apr. 17, 1930. Records available: 1928, 1930-33, 1935-51. Sept. 11, 34.68.

T1-5. R. W. Wilson. Lat. 28°27', long. 99°27'. Drilled irrigation artesian well in Carrizo sand, diameter 8 inches, depth 1,710 feet. Land-surface datum is 484.25 feet above msl. Highest water level flowing from May 27, 1931 to Mar. 24, 1932; lowest 64.34 below lsd, Sept. 12, 1951. Records available: 1930-34, 1936-41, 1943-51. Sept. 12, 64.34.

#### Duval County

Measurement discontinued in wells 55, 61, 61a, 144, 188, 204, 276, 291a, 292, 302, 304, and 322a.

69. Juan Peralez. Lat. 27°46', long. 98°23'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 140 feet, cased to 10 feet. Highest water level 67.07 below lsd, Feb. 6, 1950; lowest 76.74 below lsd, Feb. 12, 1947. Records available: 1933-41, 1943, 1945, 1947-50. No measurement made in 1951.

70. M. Cantu. Lat. 27°46', long. 98°23'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 110 feet. Highest water level 45.90 below lsd, Jan. 31, 1936; lowest 56.00 below lsd, June 9, 1931. Records available: 1931, 1933-34, 1936-41, 1948-51. Feb. 23, 52.16.

71. Helena de Pena. Lat. 27°46', long. 98°24'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 110 feet, cribbed with brick. Highest water level 27.39 below lsd, Feb. 9, 1943; lowest 45.77 below lsd, Feb. 26, 1951. Records available: 1931, 1933-41, 1943, 1945, 1947-51. Feb. 26, 45.77.

73. Severo Ranjel. Lat. 27°47', long. 98°25'. Dug domestic water-table well in Goliad sand, diameter 5 feet, depth 40 feet, cribbed with rock. Highest water level 31.34 below lsd, Feb. 9, 1943; lowest 37.73 below lsd, Dec. 11, 1934. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 26, 35.60.

143. Celidonio Ruiz. In Benavides. Lat. 27°35', long. 98°24'. Dug farm water-table well in Goliad sand, diameter 36 inches, depth 45 feet, cribbed with rock and concrete. Highest water level 33.84 below lsd, Feb. 6, 1950; lowest 40.93 below lsd, Oct. 26, 1933. Records available: 1933-35, 1947-51. Feb. 26, 35.40.

157. Francisco Vaello. Lat. 27°34', long. 98°26'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 140 feet. Highest water level 89.52 below lsd, Mar. 7, 1945; lowest 93.55 below lsd, Apr. 13, 1935. Records available: 1933-41, 1945, 1948-51. Feb. 26, 91.73.

158. Marco Gomez. Lat. 27°34', long. 98°25'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 132 feet. Highest water level 92.00 below lsd, Feb. 9, 1943; lowest 96.14 below lsd, Feb. 5, 1934. Records available: 1933-41, 1943, 1945, 1948-51. Feb. 26, 93.10.

173. Ismael Garcia Estate. Lat. 27°35', long. 98°22'. Dug unused water-table well in Goliad sand, diameter 48 inches, depth 80 feet, cribbed with rock. Highest water level 43.76 below lsd, Oct. 26, 1933; lowest 50.26 below lsd, Feb. 15, 1949. Records available: 1933-41, 1943, 1945, 1947-50. Measurement discontinued.

175. Mrs. Tom Cavanaugh. Lat. 27°35', long. 98°23'. Dug farm water-table well in Goliad sand, diameter 48 inches, depth 63 feet, cribbed with rock. Highest water level 42.55 below lsd, July 16, 1937; lowest 57.78 below lsd, Feb. 26, 1951. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 26, 57.78.

183. Lazaro Vela. Lat. 27°39', long. 98°16'. Drilled farm water-table well in Goliad sand, diameter 7 inches, depth 80 feet. Highest water level 49.27 below lsd, Feb. 13, 1947; lowest 59.41 below lsd, Feb. 6, 1950. Records available: 1931, 1933-34, 1936-41, 1943, 1945, 1947-51. Feb. 26, 56.34.

184. Eusebio Alanis. Lat. 27°39', long. 98°16'. Dug farm water-table well, diameter 6 feet, depth 90 feet, cribbed with rock. Highest water level 39.63 below lsd, Feb. 9, 1943; lowest 48.40 below lsd, Dec. 12, 1934. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 26, 44.75.

185. Cervando Saenz. Lat. 27°37', long. 98°17'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 90 feet. Highest water level 34.10 below lsd, Jan. 25, 1938; lowest 42.00 below lsd, May 25, 1931. Records available: 1931, 1933-41, 1943, 1945, 1947-51. Feb. 26, 35.77.

187. Ranchita Anjerlina. Lat. 27°36', long. 98°14'. Dug stock water-table well in Goliad sand, diameter 36 inches, depth 70 feet, cribbed with rock to 5. Highest water level 40.50 below lsd, May 25, 1931; lowest 49.68 below lsd, Aug. 22, 1933. Records available: 1931, 1933-35, 1937-41, 1943, 1945, 1948-51. Feb. 26, 43.61.

189. Pedro Lopez. Lat. 27°34', long. 98°18'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 100 feet. Highest water level 60.19 below lsd, Feb. 27, 1951; lowest 63.00 below lsd, May 15, 1931. Records available: 1931, 1933-41, 1943, 1945, 1947, 1949-51. Feb. 27, 60.19.

190. Margarita Lopez. Lat. 27°34', long. 98°18'. Dug farm water-table well in Goliad sand, diameter 5 feet, depth 90 feet. Highest water level 37.05 below lsd, Sept. 28, 1933; lowest 45.02 below lsd, Oct. 6, 1939. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 26, 43.92.

201. Maria Villareal de Saenz. Lat. 27°35', long. 98°16'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 125 feet, cased to 30. Highest water level 72.84 below lsd, Feb. 11, 1943; lowest 80.63 below lsd, Feb. 27, 1951. Records available: 1931, 1933-41, 1943, 1945-51. Feb. 27, 80.63.

203. N. E. Martinez. Lat. 27°24', long. 98°16'. Drilled farm artesian well in Goliad sand, diameter 4 inches, depth 200 feet. Highest water level 45.75 below lsd, Feb. 5, 1934; lowest 70.94 below lsd, Feb. 27, 1951. Records available: 1933-41, 1943, 1945-51. Feb. 27, 70.94.

211. J. Perez. Lat. 27°34', long. 98°21'. Drilled unused artesian well in Goliad sand, diameter 5 inches, depth 93 feet. Highest water level 35.68 below lsd, July 17, 1937; lowest 49.50 below lsd, May 29, 1931. Records available: 1931, 1933-41, 1943, 1947-51. Feb. 27, 42.62.

230. San Antonio Loan & Trust Co. Lat. 27°23', long. 98°31'. Dug farm water-table well in Goliad sand, diameter 4 feet, depth 65 feet. Highest water level 57.24 below lsd, Feb. 13, 1947; lowest 63.67 below lsd, Feb. 13, 1940. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 26, 57.96.

240. Gus Minges. Lat. 27°27', long. 98°30'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 154 feet. Highest water level 92.03 below lsd, Feb. 5, 1934; lowest 97.97 below lsd, Feb. 15, 1949. Records available: 1933-39, 1941, 1943, 1945, 1947-50. No measurement made in 1951. Measurement discontinued.

271. J. Mann. Lat. 27°22', long. 98°28'. Drilled unused water-table well in Goliad sand, diameter 5 inches, depth 90 feet. Highest water level 71.11 below lsd, Jan. 26, 1938; lowest 86.76 below lsd, Feb. 26, 1951. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 26, 86.76.

289. Adolfo Garcia. Lat. 27°20', long. 98°24'. Drilled farm water-table well in Goliad sand, diameter 4 inches, depth 80 feet. Highest water level 43.06 below lsd, July 17, 1937; lowest 47.67 below lsd, Feb. 27, 1951. Records available: 1933-41, 1943, 1945, 1947-51. Feb. 27, 47.67.

290. Andalusia Garcia. Lat. 27°19', long. 98°24'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 100 feet. Highest water level 49.15 below lsd, Jan. 26, 1938; lowest 53.36 below lsd, Feb. 27, 1951. Records available: 1931, 1933-38, 1940-41, 1943, 1945, 1947-51. Feb. 27, 53.36.

297. San Antonio Loan & Trust Co. Lat. 27°17', long. 98°20'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 200 feet. Highest water level 51.01 below lsd, Jan. 27, 1938; lowest 75.40 below lsd, Feb. 27, 1951. Records available: 1931, 1933-41, 1943, 1945, 1947-51. Feb. 27, 75.40.

301. Virginia Garcia. Lat. 27°19', long. 98°20'. Drilled farm artesian well, diameter 6 inches, depth 280 feet. Highest water level 49.00 below lsd, Mar. 30, 1933; lowest 66.80 below lsd, Feb. 4, 1950. Records available: 1931, 1933-41, 1943, 1945, 1947-50. No measurement made in 1951.

315. Ruben Schultz. Lat. 27°18', long. 98°16'. Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 280 feet. Highest water level 42.43 below lsd, Nov. 9, 1943; lowest 58.37 below lsd, Feb. 27, 1951. Records available: 1932-39, 1941, 1943, 1945-51. Feb. 27, 58.37.

319. San Antonio Loan & Trust Co. Lat. 27°19', long. 98°15'. Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 340 feet. Highest water level 22.31 below lsd, Feb. 15, 1934; lowest 57.17 below lsd, Feb. 27, 1951. Records available: 1931, 1933-39, 1941, 1943, 1945-51. Feb. 27, 57.17.

322. Santana Hinojosa. Lat. 27°16', long. 98°17'. Drilled farm water-table well in Lissie formation (?), diameter 6 inches, depth 50 feet. Highest water level 36.16 below lsd, Jan. 27, 1938; lowest 41.64 below lsd, Feb. 27, 1951. Records available: 1932-41, 1943, 1945, 1947-51. Feb. 27, 41.64.

#### El Paso County

Measurement discontinued in wells 48a, 50, 53, and 67b.

30a. El Paso city well 14. San Antonio and Walnut Sts. Lat. 31°46', long. 106°27'. Drilled public-supply water-table well in bolson deposits, diameter 24 to 13 inches, depth 703 feet. Land-surface datum is 3,701.91 feet above msl. Highest water level 23.23 below lsd, Jan. 4, 1951; lowest 43.90 below lsd, May 22, 1943. Records available: 1937-48, 1950-51. Jan. 4, 23.23; July 26, 40.22.

32a. El Paso city well 17. San Antonio and Tornillo Sts. Lat. 31°45', long. 106°28'. Drilled public-supply water-table well in bolson deposits, diameter 12 to 5 inches, depth 750 feet. Land-surface datum is 3,705.11 feet above msl. Highest water level 27.22 below lsd, Jan. 4, 1951; lowest 44.65 below lsd, June 26, 1946. Records available: 1939-40, 1942-48, 1950-51. Jan. 4, 27.22; July 26, 41.42.

42. El Paso city well 9. Luna and Pera Sts. Lat. 31°46', long. 106°27'. Drilled public-supply water-table well in sand, diameter 24 to 12 inches, depth 802 feet. Land-surface datum is 3,700.27 feet above msl. Highest water level 21.11 below lsd, Dec. 22, 1934; lowest 42.68 below lsd, July 26, 1951. Records available: 1934-40, 1942-48, 1950-51. Jan. 4, 22.56; July 26, 42.68.

48b. El Paso city test well 33. At river end of Val Verde St. Lat. 31°45', long. 106°25'. Drilled observation water-table well in bolson deposits, diameter 4 inches, depth 622 feet. Land-surface datum is 3,696.37 feet above msl. Highest water level 17.63 below lsd, Jan. 22, 1951; lowest 32.17 below lsd, June 23, 1951. Records available: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	17.63	Apr. 23	25.40	July 23	31.49	Oct. 22	24.91
Feb. 23	18.00	May 23	30.37	Aug. 22	30.51	Nov. 23	24.52
Mar. 23	24.06	June 23	32.17	Sept. 9	26.44	Dec. 17	22.56

49. El Paso city well 4. Lat. 31°46', long. 106°26'. Drilled public-supply water-table well in bolson deposits, diameter 24 to 13 inches, depth 882 feet, casing slotted at 465-882. Land-surface datum is 3,743.76 feet above msl. Highest water level 68.19 below lsd, Nov. 27, 1945; lowest 84.01 below lsd, Sept. 29, 1945. Records available: 1934-35, 1937-48, 1950. No measurement made in 1951.

52. El Paso city well 3. Montana and Chelsea Sts. Lat. 31°46', long. 106°25'. Drilled public-supply water-table well in bolson deposits, diameter 26 inches, depth 862 feet. Land-surface datum is 3,780.56 feet above msl. Highest water level 96.23 below lsd, Sept. 12, 1935; lowest 138.41 below lsd, July 26, 1951. Records available: 1934-48, 1950-51. July 26, 138.41.



55. The Texas Co. Lat. 31°46', long. 106°24'. Drilled industrial water-table well in sand, diameter 16 inches, depth 694 feet. Land-surface datum is 3,715.87 feet above msl. Highest water level 42.16 below lsd, Apr. 9, 1936; lowest 58.18 below lsd, July 25, 1951. Records available: 1929, 1935-51. Jan. 26, 44.85; Apr. 23, 52.76; July 25, 58.18; Aug. 22, 57.63.

64. City of El Paso and U. S. Geol. Survey test well 1. Lat. 31°47', long. 106°23'. Drilled observation artesian well in bolson deposits, diameter 6 to 2 inches, depth 600 feet, cased to 441. Land-surface datum is 3,942.88 feet above msl. Highest water level 260.21 below lsd, Sept. 15, 1936; lowest 269.70 below lsd, May 23, 1951. Records available: 1936-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	268.46	Apr. 23	268.02	July 23	268.39	Oct. 22	268.58
Feb. 23	267.39	May 23	269.70	Aug. 22	268.48	Nov. 23	268.64
Mar. 23	267.39	June 23	268.75	Sept. 22	268.58	Dec. 17	269.50

72. U. S. Dept. of the Army, Fort Bliss well 2. Lat. 31°48', long. 106°25'. Drilled public supply artesian well in bolson deposits, diameter 10 inches, depth 652 feet. Land-surface datum is 3,884.14 feet above msl. Highest water level 212.96 below lsd, Dec. 13, 1935; lowest 245.05 below lsd, Aug. 26, 1943. Records available: 1935-48, 1950. No measurement made in 1951.

75b. El Paso city test well 10. Lat. 31°49', long. 106°24'. Drilled observation artesian well in bolson deposits, diameter 8 inches, depth 1,117 feet. Land-surface datum is 3,879.15 feet above msl. Highest water level 203.90 below lsd, Jan. 15, 1939; lowest 224.26 below lsd, July 23, 1951. Records available: 1938-51.

Jan. 22	217.70	Apr. 23	222.20	July 23	224.26	Oct. 22	223.47
Feb. 23	219.60	May 23	223.74	Aug. 22	223.91	Nov. 23	220.09
Mar. 23	222.07	June 23	224.80	Sept. 22	222.07	Dec. 17	220.00

76. City of El Paso and U. S. Geol. Survey test well 2. Lat. 31°49', long. 106°23'. Drilled observation artesian well in bolson deposits, diameter 2 inches, depth 600 feet, cased to 416. Land-surface datum is 3,919.40 feet above msl. Highest water level 234.73 below lsd, Sept. 21, 1938; lowest 256.56 below lsd, July 23, 1951. Records available: 1936-51.

Jan. 22	247.66	Apr. 23	252.89	July 23	256.56	Oct. 22	254.91
Feb. 23	248.36	May 23	254.91	Aug. 22	256.01	Nov. 23	253.11
Mar. 23	251.46	June 23	255.55	Sept. 22	255.59	Dec. 17	253.90

77. El Paso city well 12. Lat. 31°49', long. 106°24'. Drilled public-supply artesian well in bolson deposits, diameter 20 to 12 inches, depth 776 feet, casing slotted below 290. Land-surface datum is 3,879.78 feet above msl. Highest water level 198.72 below lsd, Dec. 16, 1935; lowest 231.79 below lsd, June 25, 1943. Records available: 1935-40, 1942-51. Jan. 4, 217.10.

78c. El Paso city test well 4. Lat. 31°50', long. 106°25'. Drilled observation artesian well in sand, diameter 6 inches, depth 800 feet. Land-surface datum is 3,869.34 feet above msl. Highest water level 188.23 below lsd, Feb. 24, 1939; lowest 200.86 below lsd, July 25, 1951. Records available: 1937-51. Jan. 4, 200.29; Apr. 23, 208.40; July 25, 200.86; Aug. 22, 200.83.

112. El Paso city well 32. Lat. 31°49', long. 106°25'. Drilled unused artesian well in bolson deposits, diameter 8 inches, depth 606 feet. Land-surface datum is 3,869.77 feet above msl. Highest water level 192.80 below lsd, Dec. 16, 1935; lowest 220.43 below lsd, July 25, 1951. Records available: 1935-51. Jan. 4, 207.43; July 25, 220.43.

128c. El Paso city well 23. Lat. 31°51', long. 106°25'. Drilled observation artesian well in bolson deposits, diameter 4 inches, depth 1,257 feet, cased to 385 feet. Land-surface datum is 3,881.61 feet above msl. Highest water level 192.64 below lsd, Feb. 5, 1940; lowest 208.66 below lsd, Apr. 23, 1951. Records available: 1939-51. Jan. 4, 205.28; Apr. 23, 208.66; July 25, 207.56.

136. City of El Paso and U. S. Geol. Survey test well 3. Lat. 31°54', long. 106°24'. Drilled observation artesian well in bolson deposits, diameter 6 to 2 inches, depth 500 feet, cased to 335. Land-surface datum is 3,944.11 feet above msl. Highest water level 244.11 below lsd, Jan. 20, 1937; lowest 250.42 below lsd, Apr. 23, 1951. Records available: 1936-51.

Jan. 22	249.30	Apr. 23	250.42	July 23	249.95	Oct. 22	249.31
Feb. 23	249.16	May 23	249.56	Aug. 22	250.05	Nov. 23	249.80
Mar. 23	249.34	June 23	249.80	Sept. 22	250.08	Dec. 17	249.89

139a. El Paso city test well 29. Lat. 31°57', long. 106°25'. Drilled observation artesian well in bolson deposits, diameter 4 inches, depth 567 feet. Land-surface datum is 4,046.22 feet above msl. Highest water level 335.60 below lsd, Apr. 23, 1940; lowest 340.31 below lsd, Nov. 23, 1942. Records available: 1940-45, 1947-51. Jan. 3, 338.18.

143a. El Paso city test well 30. Lat.  $31^{\circ}59'$ , long.  $106^{\circ}25'$ . Drilled observation artesian well in bolson deposits, diameter 4 inches, depth 520 feet. Land-surface datum is 4,041.19 feet above msl. Highest water level 315.87 below lsd, Aug. 21, 1941; lowest 319.87 below lsd, Dec. 24, 1942. Records available: 1940-45, 1947-51. Jan. 3, 318.24; July 25, 318.27.

### Floyd County

Measurement discontinued in wells 153, 496, 523, 546.

5. M. C. Scheele. SW. corner sec. 127, blk. D2, lat.  $34^{\circ}16'$ , long.  $101^{\circ}31'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 48.00 below lsd, Apr. 28, 1936; lowest 60.91 below lsd, Jan. 16, 1951. Records available: 1936-51. Jan. 16, 60.91.

14. Herman R. King.  $SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$  sec. 5, blk. C9, lat.  $34^{\circ}16'$ , long.  $101^{\circ}27'$ . Drilled unused water-table well in sand, diameter 8 inches, depth 77 feet. Highest water level 53.44 below lsd, May 5, 1936; lowest 66.85 below lsd, Feb. 16, 1950. Records available: 1936-38, 1940-51. Jan. 17, 66.57. Measurement discontinued.

20. Tom McGehee.  $SE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$  sec. 26, blk. B4, lat.  $34^{\circ}17'$ , long.  $101^{\circ}25'$ . Drilled irrigation water-table well in sand, diameter 14 to 12 inches, depth 215 feet, cased to 215. Highest water level 80.0 below lsd, Aug. 1936; lowest 92.48 below lsd, Jan. 17, 1951. Records available: 1936, 1947-51. Jan. 17, 92.48.

21. W. T. Rankin.  $SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$  sec. 3, blk. C9, lat.  $34^{\circ}16'$ , long.  $101^{\circ}25'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 87.20 below lsd, Mar. 7, 1947; lowest 93.20 below lsd, Jan. 17, 1951. Records available: 1947-51. Jan. 17, 93.20.

32. Frank Whitfill.  $NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$  sec. 12, blk. C9, lat.  $34^{\circ}15'$ , long.  $101^{\circ}24'$ . Drilled irrigation water-table well in sand, diameter 16 to 10 inches, depth 215 feet. Highest water level 89.22 below lsd, Jan. 3, 1939; lowest 106.78 below lsd, nearby well being pumped, Jan. 17, 1951. Records available: 1937-43, 1945-51. Jan. 17, 106.78, nearby well being pumped.

42. D. Jackson. NW. corner  $SW\frac{1}{4}$  sec. 14, blk. C9, lat.  $34^{\circ}14'$ , long.  $101^{\circ}26'$ . Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 196 feet. Highest water level 77.95 below lsd, Mar. 7, 1947; lowest 86.93 below lsd, Jan. 17, 1951. Records available: 1947-51. Jan. 17, 86.93.

53. Ben Quebe.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 99, blk. D2, lat.  $34^{\circ}13'$ , long.  $101^{\circ}32'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 205 feet. Highest water level 49.88 June 3, 1937; lowest 62.51 below lsd, Feb. 17, 1950. Records available: 1937, 1940, 1947-50. No measurement made in 1951.

55. Ben Quebe.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 89, blk. D2, lat.  $34^{\circ}13'$ , long.  $101^{\circ}31'$ . Drilled irrigation water-table well in sand, depth 200 feet. Highest water level 59.14 below lsd, June 3, 1937; lowest 70.88 below lsd, Mar. 4, 1949. Records available: 1937, 1940, 1947-50. No measurement made in 1951.

56. Ben Quebe.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 100, blk. D2, lat.  $34^{\circ}13'$ , long.  $101^{\circ}31'$ . Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 212 feet. Highest water level 59.00 below lsd, Mar. 23, 1940; lowest 67.69 below lsd, Mar. 4, 1949. Records available: 1940, 1947-50. No measurement made in 1951.

57. T. L. Wilhite.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 87, blk. D2, lat.  $34^{\circ}13'$ , long.  $101^{\circ}29'$ . Drilled unused water-table well in sand. Highest water level 60.10 below lsd, May 3, 1937; lowest 80.51 below lsd, Jan. 16, 1951. Records available: 1936-51. Jan. 16, 80.51.

106. M. W. Alford.  $NE\frac{1}{4}NW\frac{1}{4}$  sec. 65, blk. D2, lat.  $34^{\circ}11'$ , long.  $101^{\circ}31'$ . Drilled irrigation water-table well in sand, diameter 24 inches, depth 286 feet. Highest water level 53.0 below lsd, Mar. 14, 1916; lowest 80.65 below lsd, Jan. 16, 1951. Records available: 1916, 1934, 1937-46, 1948-51. Jan. 16, 80.65.

108. Ivan Thompson. NW. corner  $SE\frac{1}{4}$  sec. 65, blk. D2, lat.  $34^{\circ}11'$ , long.  $101^{\circ}31'$ . Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 278 feet, cased to 276. Highest water level 49.5 below lsd, Jan. 3, 1914; lowest 82.79 below lsd, Jan. 16, 1951. Records available: 1914, 1938-51. Jan. 16, 82.79.

110. Ivan Thompson.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 65, blk. D2, lat.  $34^{\circ}10'$ , long.  $101^{\circ}31'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 281 feet. Highest water level 55.32 below lsd, Oct. 28, 1937; lowest 77.55 below lsd, Jan. 16, 1951. Records available: 1937, 1947-51. Jan. 16, 77.55.

111. Texas Land & Development Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 65, blk. D2, lat. 34°11', long. 101°32'. Drilled unused water-table well in sand, diameter 26 to 10 inches, depth 269, cased to 269. Highest water level 46.0 below lsd, 1914; lowest 77.24 below lsd, Jan. 18, 1951. Records available: 1914, 1936-51. Jan. 18, 77.24.

112. C. R. Roach. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. D5, lat. 34°10', long. 101°32'. Drilled irrigation water-table well in sand, diameter 18 to 12 inches, depth 281 feet, cased to 267. Highest water level 48.5 below lsd, Feb. 2, 1914; lowest 76.90 below lsd, Jan. 16, 1951. Records available: 1914, 1936-51. Jan. 16, 76.90.

120. Francis Carthel. NW. corner sec. 1, blk. D5, lat. 34°10', long. 101°28'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 210 feet, cased to 80. Highest water level 57.84 below lsd, Feb. 27, 1939; lowest 92.85 below lsd, Feb. 17, 1950. Records available: 1937-51. Jan. 16, 88.59.

138. John Carthel. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 49, blk. D2, lat. 34°09', long. 101°27'. Drilled irrigation water-table well in sand, diameter 11 inches, depth 201 feet, cased at 60-104. Highest water level 85.67 below lsd, Mar. 17, 1947; lowest 111.05 below lsd, Jan. 16, 1951. Records available: 1947-49, 1951. Jan. 16, 111.05.

139. L. R. Collis. SE. corner sec. 2, blk. D5, lat. 34°09', long. 101°28'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 216 feet. Highest water level 52.74 below lsd, Apr. 17, 1934; lowest 107.56 below lsd, Jan. 16, 1951. Records available: 1914, 1934, 1937-38, 1941-51. Jan. 16, 107.56.

140. C. Williams. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, blk. D5, lat. 34°09', long. 101°28'. Drilled irrigation water-table well in sand, depth 292 feet. Highest water level 46.5 below lsd, 1914; lowest 96.27 below lsd, Feb. 15, 1950. Records available: 1914, 1938-51. Jan. 16, 95.18.

143. Plainview-Lockney Farms. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, blk. D5, lat. 34°09', long. 101°30'. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 274 feet, cased to 274. Highest water level 51.2 below lsd, 1914; lowest 95.00 below lsd, Feb. 15, 1950. Records available: 1914-15, 1936-37, 1948-50. No measurement made in 1951.

157. Texas Land & Development Co. NW. corner sec. 10, blk. D5, lat. 34°09', long. 101°32'. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 286 feet. Highest water level 47.0 below lsd, Feb. 29, 1916; lowest 85.95 below lsd, Jan. 16, 1951. Records available: 1916, 1934, 1937-51. Jan. 16, 85.95.

161. Texas Land & Development Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D5, lat. 34°08', long. 101°31'. Drilled irrigation water-table well in sand, 24 to 12 inches, depth 278 feet, cased to 278. Highest water level 50.0 below lsd, 1914; lowest 96.88 below lsd, Jan. 16, 1951. Records available: 1914, 1936-51. Jan. 16, 96.88.

185. Joe Anderson. Center west line sec. 64, blk. D2, lat. 34°11', long. 101°31'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 303 feet. Highest water level 66.07 below lsd, Oct. 22, 1945; lowest 84.63 below lsd, Jan. 16, 1951. Records available: 1945, 1947-51. Jan. 16, 84.63.

186. W. E. Whitfill. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 64, blk. D2, lat. 34°11', long. 101°30'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 194 feet. Highest water level 61.0 below lsd, 1940; lowest 89.29 below lsd, Jan. 16, 1951. Records available: 1940, 1947-49, 1951. Jan. 16, 89.29.

216. Billie Staniforth. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 82, blk. GM, lat. 34°12', long. 101°15'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 410 feet, cased to 370. Highest water level 192.04 below lsd, Aug. 14, 1939; lowest 193.77 below lsd, Jan. 17, 1951. Records available: 1939, 1947-51. Jan. 17, 193.77.

263. Ewald Quebe. Lat. 34°13', long. 101°30'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 255 feet. Highest water level 77.92 below lsd, Mar. 7, 1947; lowest 87.74 below lsd, Jan. 16, 1951. Records available: 1947-51. Jan. 16, 87.74.

264. H. F. Quebe. Lat. 34°14', long. 101°31'. Drilled irrigation water-table well in sand, depth 220 feet. Highest water level 58.82 below lsd, Mar. 7, 1947; lowest 66.24 below lsd, Jan. 16, 1951. Records available: 1947-51. Jan. 16, 66.24.

265. G. B. Johnston. Lat. 34°14', long. 101°25'. Drilled irrigation water-table well in sand, depth 201 feet. Highest water level 81.56 below lsd, Mar. 7, 1947; lowest 88.60 below lsd, Jan. 17, 1951. Records available: 1947-51. Jan. 17, 88.60.

326. W. C. Simms. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. 1, lat. 33°59', long. 101°17'. Drilled unused water-table well in sand, diameter 14 inches, depth 310 feet. Highest water level 147.20 below lsd, Mar. 9, 1948; lowest 150.00 below lsd, Mar. 9, 1949. Records available: 1937, 1939-43, 1945-51. Jan. 17, 148.05.

409. A. V. and J. H. Campbell. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, blk. M, lat. 34°06', long. 101°31'. Drilled irrigation water-table well in sand, diameter 18 to 10 inches, depth 278 feet. Highest water level 44.5 below lsd, Apr. 2, 1914; lowest 84.53 below lsd, Feb. 17, 1950. Records available: 1914, 1936-43, 1945-50. No measurement made in 1951.

410a. W. C. McGrede. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 44, blk. D6, lat. 34°07', long. 101°32'. Drilled irrigation water-table well in sand. Replacement for well 410. Highest water level 67.80 below lsd, Mar. 2, 1948; lowest 83.45 below lsd, Jan. 16, 1951. Records available: 1948-49, 1951. Jan. 16, 83.45.

414. Mrs. Harriet B. Robbins. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 46, blk. D6, lat. 34°08', long. 101°30'. Drilled irrigation water-table well in sand, depth 227 feet. Highest water level 49.5 below lsd, July 1913; lowest 100.48 below lsd, Feb. 17, 1950. Records available: 1913-14, 1938-45, 1949-50. No measurement made in 1951.

416. J. R. Belt, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 46, blk. D6, lat. 34°07', long. 101°30'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 213 feet. Highest water level 48.2 below lsd, Aug. 1913; lowest 103.67 below lsd, Feb. 18, 1950. Records available: 1913-14, 1938-50. No measurement made in 1951.

420. Walter Gloyna. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 47, blk. D6, lat. 34°07', long. 101°29'. Drilled irrigation water-table well in sand. Highest water level 85.00 below lsd, Mar. 17, 1947; lowest 113.66 below lsd, Jan. 17, 1951. Records available: 1947-51. Jan. 17, 113.66.

421. J. R. Belt, Jr. NW. corner sec. 48, blk. D6, lat. 34°07', long. 101°29'. Drilled irrigation water-table well in sand, diameter 24 to 16 inches, depth 260 feet. Highest water level 50.0 below lsd, Dec. 11, 1913; lowest 106.32 below lsd, Jan. 17, 1951. Records available: 1913-14, 1934, 1936-51. Jan. 17, 106.32.

423. Judson Jones. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 48, blk. D6, lat. 34°07', long. 101°29'. Drilled irrigation water-table well in sand, diameter 20 to 12 inches, depth 270 feet. Highest water level 45.8 below lsd, Apr. 19, 1915; lowest 102.04 below lsd, Jan. 16, 1951. Records available: 1915, 1947-51. Jan. 16, 102.04.

428a. W. L. Thomas Estate. NW. corner F. Griggs survey, lat. 34°05', long. 101°29'. Drilled irrigation water-table well in sand. Replacement for well 428. Highest water level 82.45 below lsd, Mar. 7, 1949; lowest 90.90 below lsd, Jan. 18, 1951. Records available: 1949-51. Jan. 18; 90.90.

435. W. M. Summerlin. Center of L. C. Reed survey, lat. 34°06', long. 101°27'. Drilled irrigation water-table well in sand, diameter 22 inches, depth 200 feet. Highest water level 57.06 below lsd, Nov. 16, 1937; lowest 107.00 below lsd, Jan. 18, 1951. Records available: 1937-43, 1946-51. Jan. 18, 107.00.

442. Solon Clements. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 51, blk. D3, lat. 34°07', long. 101°24'. Drilled unused water-table well in sand, diameter 8 inches, depth 61 feet. Highest water level 23.78 below lsd, Dec. 20, 1941; lowest 40.00 below lsd, Mar. 11, 1941. Records available: 1937-46, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 1, 1950	39.05	Sept. 29, 1950	38.02	Mar. 2, 1951	34.05	Aug. 21, 1951	29.02
June 1	39.16	Oct. 27	37.67	Apr. 3	33.92	Sept. 5	28.86
30	39.21	Nov. 24	35.64	May 2	33.81	Oct. 4	28.38
July 18	39.38	Dec. 15	34.99	21	33.00	Nov. 5	28.28
Aug. 4	39.21	Jan. 5, 1951	34.73	June 8	31.49	Dec. 2	28.75
Sept. 3	38.50	30	34.09	July 27	29.38		

448. Buck Sams. NW. corner sec. 74, blk. G, lat. 34°06', long. 101°26'. Drilled irrigation water-table well in sand, diameter 18 to 14 inches, depth 289 feet. Highest water level 48.57 below lsd, May 2, 1940; lowest 91.17 below lsd, Jan. 18, 1951. Records available: 1940, 1947-51. Jan. 18, 91.17.

459. Texas Land & Development Co. Lat. 34°04', long. 101°30'. Drilled irrigation water-table well in sand, diameter 26 to 11 inches, depth 310 feet. Highest water level 43.0 below lsd, 1917; lowest 81.33 below lsd, Feb. 17, 1950. Records available: 1917, 1934, 1937-51. Jan. 18, 81.14.

463. Sam Moore. NW. corner sec. 14, blk. N, lat. 34°05', long. 101°32'. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 268 feet, cased to 264. Highest water level 44.93 below lsd, Apr. 16, 1934; lowest 83.21 below lsd, Jan. 18, 1951. Records available: 1915, 1934, 1937-49, 1951. Jan. 18, 83.21.

467. C. J. Barnard. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. N, lat. 34°03', long. 101°33'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 300 feet. Highest water level 36.32 below lsd, Jan. 8, 1938; lowest 65.60 below lsd, Jan. 18, 1951. Records available: 1937-49, 1951. Jan. 18, 65.60.

472. Texas Land & Development Co. Lat. 34°04', long. 101°30'. Drilled unused water-table well in sand, 26 to 10 inches, depth 293 feet. Highest water level 47.06 below lsd, June 28, 1938; lowest 80.34 below lsd, Feb. 17, 1950. Records available: 1938-51. Jan. 18, 78.25.

478. T. B. Mitchell. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 57, blk. G, lat. 34°03', long. 101°28'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 280 feet. Highest water level 63.71 below lsd, Mar. 18, 1947; lowest 93.29 below lsd, Feb. 18, 1950. Records available: 1947-51. Jan. 18, 82.74.

486. Mrs. M. E. Morris. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 53, blk. O, lat. 34°03', long. 101°23'. Drilled unused water-table well in sand, diameter 6 inches, depth 59 feet. Highest water level 28.86 below lsd, Mar. 10, 1942; lowest 37.92 below lsd, Feb. 19, 1950. Records available: 1937-51. Jan. 17, 30.50; Feb. 19, 30.35.

493. Henry Schacht. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 48, blk. D6, lat. 34°07', long. 101°29'. Drilled irrigation water-table well in sand, diameter 18 to 16 inches, depth 275 feet, cased to 275. Highest water level 78.26 below lsd, Oct. 27, 1945; lowest 110.24 below lsd, Jan. 17, 1951. Records available: 1945, 1947-51. Jan. 17, 110.24.

510. W. R. Crow. Lat. 34°01', long. 101°30'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 309 feet. Highest water level 39.88 below lsd, Dec. 2, 1937; lowest 66.63 below lsd, Jan. 18, 1951. Records available: 1937-51. Jan. 18, 66.63.

511. T. B. Mitchell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 48, blk. G, lat. 34°02', long. 101°28'. Drilled irrigation water-table well in sand, diameter 14 to 12 inches, depth 240 feet, cased to 190. Highest water level 46.06 below lsd, Nov. 17, 1937; lowest 77.85 below lsd, Jan. 18, 1951. Records available: 1937, 1947-49, 1951. Jan. 18, 77.85.

519. J. L. Faulkner. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 44, blk. G, lat. 33°59', long. 101°27'. Drilled stock water-table well in sand, diameter 6 inches. Highest water level 48.09 below lsd, May 8, 1936; lowest 61.65 below lsd, Jan. 18, 1951. Records available: 1936-51. Jan. 18, 61.65.

525. W. Fry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. G, lat. 34°02', long. 101°24'. Drilled unused water-table well in sand, diameter 22 inches, depth 298 feet, not cased. Highest water level 36.75 below lsd, July 20, 1943; lowest 49.23 below lsd, Feb. 18, 1950. Records available: 1937-51. Jan. 17, 47.05.

529. Panhandle & Santa Fe Railway Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 63, blk. 1, lat. 34°00', long. 101°20'. Drilled stock water-table well in sand, diameter 6 inches, depth 138 feet. Highest water level 109.49 below lsd, Feb. 1, 1944; lowest 110.88 below lsd, Mar. 11, 1942. Records available: 1937-40, 1942-51. Jan. 17, 110.19.

542. R. B. Gary. SW. corner sec. 8, blk. K, lat. 33°56', long. 101°31'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 325 feet, cased to 325. Highest water level 64.39 below lsd, Aug. 3, 1937; lowest 80.81 below lsd, Feb. 17, 1950. Records available: 1939, 1947-51. Jan. 18, 80.68.

562. H. W. Carver. Lat. 33°52', long. 101°21'. Drilled farm water-table well in sand, diameter 4 inches, depth 164 feet. Highest water level 132.18 below lsd, Mar. 11, 1942; lowest 142.38 below lsd, Jan. 18, 1951. Records available: 1937, 1945-46, 1948-51. Jan. 18, 142.38.

630. L. Ferguson. SW. corner sec. 58, blk. D2, lat. 34°11', long. 101°25'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 216 feet. Highest water level 98.77 below lsd, Mar. 17, 1947; lowest 112.89 below lsd, Feb. 16, 1950. Records available: 1947-50. No measurement made in 1951.

652. Buck Sams. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 72, blk. G, lat. 34°05', long. 101°28'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 298 feet. Highest water level 65.76 below lsd, Mar. 19, 1947; lowest 90.49 below lsd, Jan. 18, 1951. Records available: 1947-51. Jan. 18, 90.49.

663. Chester Mitchell. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 56, blk. G, lat. 34°03', long. 101°27'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 280 feet, cased to 275. Highest water level 57.0 below lsd, 1945; lowest 91.98 below lsd, Feb. 18, 1950. Records available: 1945, 1947-51. Jan. 18, 84.25.



704. Lee Trice. NW. corner sec. 14, blk. G2, lat. 33°58', long. 101°23'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 331 feet. Highest water level 90.03 below lsd, Mar. 17, 1947; lowest 101.67 below lsd, Jan. 18, 1951. Records available: 1945, 1947-51. Jan. 18, 101.67.

726. Wesley Carr. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, blk. K, lat. 33°54', long. 101°33'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 380 feet. Highest water level 58.65 below lsd, Oct. 13, 1945; lowest 82.69 below lsd, Feb. 17, 1950. Records available: 1945, 1947-51. Jan. 18, 78.35.

727. T. B. Mitchell. Lat. 34°03', long. 101°28'. Drilled irrigation water-table well in sand. Highest water level 58.90 below lsd, Mar. 18, 1947; lowest 76.68 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951. Jan. 18, 76.68.

728. R. C. Mitchell. Lat. 34°02', long. 101°27'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 300 feet. Highest water level 61.88 below lsd, Mar. 18, 1947; lowest 90.75 below lsd, Feb. 18, 1950. Records available: 1947-51. Jan. 18, 81.43.

729. Floyd Trowbridge. Lat. 33°55', long. 101°32'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 388 feet. Highest water level 75.41 below lsd, Mar. 18, 1947; lowest 87.55 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951. Jan. 18, 87.55.

730. Raymond Williams. Lat. 33°57', long. 101°22'. Drilled irrigation water-table well in sand, depth 360 feet. Highest water level 108.83 below lsd, Mar. 17, 1947; lowest 134.73 below lsd, Feb. 18, 1950. Records available: 1947-51. Jan. 18, 121.46.

#### Fort Bend County

Measurement discontinued in well E-21.

7. C. C. Cardiff well 1. Lat. 29°44', long. 95°50'. Drilled stock artesian well in sand, diameter 24 to 6 inches, depth 337 feet. Highest water level 53.21 below lsd, Mar. 3, 1931; lowest 77.56 below lsd, Nov. 13, 1951. Records available: 1931, 1933, 1939-51. Mar. 21, 68.76; Nov. 13, 77.56.

11. P. V. Cook well 3. Lat. 29°45', long. 95°50'. Drilled irrigation artesian well in sand, diameter 28 to 12 inches, depth 170 feet. Highest water level 46.46 below lsd, Mar. 18, 1933; lowest 71.22 below lsd, Nov. 13, 1951. Records available: 1932-33, 1939-40, 1942-51. Mar. 21, 65.92; Nov. 13, 71.22.

15. P. V. Cook well 1. Lat. 29°44', long. 95°51'. Drilled irrigation artesian well in sand, diameter 24 to 10 inches, depth 172 feet. Highest water level 50.80 below lsd, May 15, 1931; lowest 73.38 below lsd, Nov. 16, 1950. Records available: 1931-33, 1939-51. Mar. 15, 71.46.

17. Mrs. H. L. Gordon. Lat. 29°42', long. 95°49'. Drilled irrigation artesian well in sand, diameter 24 to 8 inches, depth 586 feet. Highest water level 51.88 below lsd, Mar. 17, 1942; lowest 73.61 below lsd, Nov. 13, 1951. Records available: 1940-51. Mar. 17, 65.08; Nov. 13, 73.61.

20. L. Pauli. Lat. 29°42', long. 95°47'. Drilled unused artesian well in sand, diameter 24 to 10 inches, depth 250 feet. Highest water level 34.00 below lsd, Mar. 18, 1933; lowest 64.65 below lsd, Nov. 13, 1951. Records available: 1931, 1933, 1939-51. Mar. 21, 53.36; Nov. 13, 64.65.

21. L. Pauli. Lat. 29°41', long. 95°48'. Drilled irrigation artesian well in sand, diameter 36 to 10 inches, depth 250 feet. Highest water level 39.40 below lsd, Mar. 24, 1931; lowest 66.03 below lsd, Nov. 13, 1951. Records available: 1931-33, 1939-40, 1942-51. Mar. 21, 57.60; Nov. 13, 66.03.

26. C. Pillot well 1. Lat. 29°41', long. 95°41'. Drilled unused artesian well in sand, diameter 26 to 12 inches, depth 657 feet. Highest water level 26.57 below lsd, Mar. 10, 1939; lowest 51.28 below lsd, Nov. 13, 1951. Records available: 1939-51. Mar. 26, 45.11; Nov. 13, 51.28.

29. C. Pillot well 2. Lat. 29°41', long. 95°44'. Drilled irrigation artesian well in sand, diameter 20 to 14 inches, depth 500 feet, casing slotted opposite sands below 85. Highest water level 28.20 below lsd, Mar. 17, 1942; lowest 57.49 below lsd, Nov. 13, 1951. Records available: 1940-46, 1948-51. Mar. 21, 45.39; Nov. 13, 57.49.

30. B. Ray Woods well 2. Lat. 29°44', long. 95°55'. Drilled irrigation artesian well in sand, diameter 16 to 8 inches, depth 334 feet, casing slotted opposite sands below 74. Highest water level 64.23 below lsd, Mar. 24, 1947; lowest 73.63 below lsd, Nov. 22, 1950. Records available: 1940-51. Mar. 21, 72.40.

33. Earl McMillian. Lat. 29°45', long. 95°52'. Drilled irrigation artesian well in sand, diameter 15 inches, depth 346 feet. Highest water level 57.77 below lsd, Mar. 15, 1939; lowest 74.10 below lsd, Nov. 13, 1951. Records available: 1939-51. Mar. 21, 70.31; Nov. 13, 74.10.

75. Gulf Pipe Line Co. Lat. 29°34', long. 95°27'. Drilled industrial artesian well in sand, diameter 6 inches, depth 800 feet. Highest water level 44.89 below lsd, Mar. 13, 1939; lowest 109.08 below lsd, Sept. 18, 1951. Records available: 1938-51. June 13, 103.43; Sept. 18, 109.08; Dec. 13, 108.70.

77. Ansel & Brinkman. Lat. 29°36', long. 95°28'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 800 feet, casing slotted below 240. Highest water level 47.0 below lsd, Apr. 9, 1945; lowest 91.93 below lsd, June 13, 1951. Records available: 1945-51. Feb. 21, 83.60; June 13, 91.93; Dec. 13, 89.36.

A-2. Southern Pacific Lines. At Simonton, lat. 29°40', long. 95°58'. Drilled unused artesian well in sand, diameter 6 inches, depth 300 feet. Highest water level 18.50 below lsd, May 14, 1947; lowest 34.97 below lsd, Aug. 29, 1951. Records available: 1947-51. Jan. 19, 32.23; Aug. 29, 34.97.

B-26. M. A. McDonald. Lat. 29°41', long. 95°48'. Drilled stock artesian well in sand, diameter 6 inches, depth 131 feet. Highest water level 47.05 below lsd, Apr. 18, 1947; lowest 93.74 below lsd, Aug. 29, 1951. Records available: 1947-51. Jan. 19, 59.08; Aug. 29, 93.74.

B-30. Mr. Settegast. Lat. 29°41', long. 95°46'. Drilled stock artesian well in sand, diameter 8 inches, depth 156 feet. Highest water level 36.79 below lsd, Mar. 17, 1942; lowest 91.41 below lsd, Aug. 29, 1951. Records available: 1941-42, 1948-51. Jan. 19, 62.84; Aug. 29, 91.41.

D-15. Humble Oil & Refining Co. Lat. 29°31', long. 95°28'. Drilled unused artesian well in sand, diameter 4 inches, depth 584 feet, screen at 560-583. Highest water level 54.83 below lsd, May 15, 1947; lowest 71.63 below lsd, Jan. 18, 1951. Records available: 1947-51. Jan. 18, 71.63.

D-16. Julia Tague. Lat. 29°30', long. 95°27'. Drilled unused artesian well in sand, diameter 4 inches, depth 459 feet. Highest water level 35.19 below lsd, May 5, 1947; lowest 44.98 below lsd, Feb. 5, 1951. Records available: 1947-51. Feb. 5, 44.98.

D-22. Humble Oil & Refining Co. Lat. 29°32', long. 95°34'. Drilled unused artesian well in sand, diameter 4 inches, depth 448 feet, screen at 426-446. Highest water level 40.93 below lsd, May 1, 1947; lowest 65.65 below lsd, Aug. 24, 1951. Records available: 1947-51. Aug. 24, 65.65.

E-2. A. E. Myers. In Booth, lat. 29°31', long. 95°39'. Drilled farm artesian well in sand, diameter 6 inches, depth 720 feet, screen at 627-674. Highest water level 30.0 below lsd, Dec. 4, 1944; lowest 58.08 below lsd, Aug. 28, 1951. Records available: 1944, 1947-51. Feb. 8, 52.94; Aug. 28, 58.08.

E-3. A. E. Myers. In Booth, lat. 29°31', long. 95°39'. Drilled unused artesian well in sand, diameter 4 inches, depth 300 feet. Highest water level 24.47 below lsd, Dec. 30, 1948; lowest 39.60 below lsd, Aug. 28, 1951. Records available: 1947-51. Feb. 8, 36.00; Aug. 28, 39.60.

E-9. Humble Oil & Refining Co. Lat. 29°33', long. 95°36'. Drilled unused artesian well in sand, diameter 5 inches, depth 484 feet, screen at 453-478. Highest water level 33.67 below lsd, May 1, 1947; lowest 58.94 below lsd, Aug. 24, 1951. Records available: 1947-51. Jan. 18, 52.39; Aug. 24, 58.94.

E-10. Humble Oil & Refining Co. Lat. 29°36', long. 95°36'. Drilled unused artesian well in sand, diameter 5 inches, depth 671 feet. Highest water level 38.30 below lsd, May 1, 1947; lowest 64.22 below lsd, Aug. 24, 1951. Records available: 1947-51. Jan. 18, 57.23; Aug. 24, 64.22.

E-11. Humble Oil & Refining Co. Lat. 29°33', long. 95°35'. Drilled unused artesian well in sand, diameter 6 inches, depth 716 feet, screen at 671-715. Highest water level 40.36 below lsd, May 1, 1947; lowest 66.63 below lsd, Aug. 24, 1951. Records available: 1947-51. Jan. 18, 60.68; Aug. 24, 66.63.

E-22. Texas Prison System, Central State Farm 2. Lat. 29°36', long. 95°39'. Drilled industrial artesian well in sand, diameter 8 inches, depth 700 feet. Highest water level 32.0 below lsd, Apr. 1945; lowest 54.73 below lsd, Aug. 29, 1951. Records available: 1945, 1947-51. Feb. 8, 45.37; Aug. 29, 54.73.

F-37. Cockburn Oil Co. Lat. 29°31', long. 95°51'. Drilled unused artesian well in sand, diameter 4 inches, depth 243 feet. Highest water level 36.71 below lsd, Apr. 28, 1947; lowest 45.88 below lsd, Aug. 27, 1951. Records available: 1947-51. Jan. 19, 41.62; Aug. 27, 45.88.

F-48. W. L. Ansel well 1. Lat. 29°35', long. 95°54'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 445 feet, casing slotted below 90. Highest water level 42.93 below lsd, Apr. 24, 1947; lowest 49.18 below lsd, Jan. 18, 1951. Records available: 1947-48, 1950-51. Jan. 18, 49.18.

F-50. W. L. Ansel well 2. Lat. 29°36', long. 95°54'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 438 feet, casing slotted below 91. Highest water level 43.66 below lsd, Apr. 24, 1947; lowest 52.86 below lsd, Aug. 29, 1951. Records available: 1947-51. Jan. 18, 50.59; Aug. 29, 52.86.

G-25. Gulf Oil Corp. Lat. 29°33', long. 95°56'. Drilled unused artesian well in sand, diameter 6 inches, depth 173 feet. Highest water level 32.23 below lsd, May 21, 1947; lowest 35.10 below lsd, Aug. 29, 1951. Records available: 1947-51. Jan. 18, 33.27; Aug. 29, 35.10.

H-16. Jack Wendt well 1. Lat. 29°25', long. 95°56'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 397 feet, casing slotted below 112. Highest water level 22.26 below lsd, Apr. 14, 1947; lowest 31.15 below lsd, Aug. 31, 1949. Records available: 1947-51. Jan. 19, 26.77.

I-15. Gulf Oil Corp. Lat. 29°28', long. 95°45'. Drilled unused artesian well in sand, diameter 6 inches, depth 86 feet. Highest water level 9.24 below lsd, Apr. 30, 1947; lowest 13.59 below lsd, Sept. 8, 1950. Records available: 1947-51. Feb. 7, 13.30; Aug. 29, 13.22.

I-16. Gulf Oil Corp. Lat. 29°28', long. 95°45'. Drilled industrial artesian well in sand, diameter 6 inches, depth 180 feet. Highest water level 13.95 below lsd, Apr. 30, 1947; lowest 17.73 below lsd, Aug. 28, 1951. Records available: 1947-51. Aug. 28, 17.73.

I-22. Walter Gless. Lat. 29°25', long. 95°45'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 636 feet, casing slotted below 85. Highest water level 11.67 below lsd, Apr. 24, 1947; lowest 42.03 below lsd, Aug. 28, 1951. Records available: 1947-48, 1950-51. Feb. 7, 26.81; Aug. 28, 42.03.

I-24. C. A. Danklefs well 1. Lat. 29°22', long. 95°45'. Drilled irrigation artesian well in sand, diameter 20 inches, depth 545 feet, casing slotted below 65. Highest water level 21.14 below lsd, Mar. 4, 1948; lowest 43.53 below lsd, Sept. 2, 1949. Records available: 1948-51. Feb. 7, 25.33.

I-25. C. A. Danklefs well 2. Lat. 29°22', long. 95°45'. Drilled irrigation artesian well in sand, diameter 20 inches, depth 556 feet, casing slotted below 64. Highest water level 21.19 below lsd, Mar. 4, 1948; lowest 60.01 below lsd, Aug. 28, 1951. Records available: 1944, 1948-51. Feb. 7, 24.53; Aug. 28, 60.01, nearby well being pumped.

J-9. Cecil Hagen. Lat. 29°28', long. 95°35'. Drilled unused artesian well in sand, diameter 4 inches, depth 307 feet. Highest water level 12.55 below lsd, Apr. 29, 1947; lowest 22.31 below lsd, Aug. 28, 1951. Records available: 1947-51. Feb. 8, 20.75; Aug. 28, 22.31.

K-2. The Texas Co. Lat. 29°28', long. 95°34'. Drilled domestic artesian well in sand, diameter 6 inches, depth 600 feet. Highest water level 9.0 below lsd, 1940; lowest 37.65 below lsd, Aug. 28, 1951. Records available: 1940, 1947-51. Feb. 8, 34.86; Aug. 28, 37.65.

K-3. Houston Oilfield Equipment Co. Lat. 29°28', long. 95°34'. Drilled unused artesian well in sand, diameter 5 inches, depth 150 feet. Highest water level 16.20 below lsd, Apr. 29, 1947; lowest 26.50 below lsd, Aug. 28, 1951. Records available: 1947-51. Feb. 8, 24.73; Aug. 28, 26.50.

L-3. Owner unknown. Lat. 29°18', long. 95°39'. Drilled domestic artesian well in sand, diameter 6 inches, depth 200 feet. Highest water level 16.06 below lsd, May 21, 1947; lowest 31.95 below lsd, Aug. 28, 1951. Records available: 1947, 1949-51. Feb. 7, 24.97; Aug. 28, 31.95.

#### Gaines County

2. Carrol Cobb. SW $\frac{1}{4}$  sec. 20, blk. A21, lat. 32°36', long. 102°38'. Drilled stock water table well in sand, diameter 8 inches, depth 100 feet, cased to 100, perforated at 50-100. Highest water level 54.79 below lsd, Jan. 26, 1951; lowest 56.55 below lsd, Apr. 27, 1938. Records available: 1937-38, 1940-41, 1943, 1949-51. Jan. 26, 54.79.



6a. Andrew Fasken. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 160, blk. G, lat. 32°40', long. 102°36'. Drilled stock water-table well in sand, diameter 5 inches, depth 160 feet. Highest water level 40.67 below lsd, Apr. 27, 1938; lowest 42.31 below lsd, Jan. 26, 1951. Records available: 1938-40, 1943, 1949-51. Jan. 26, 42.31.

Galveston County

Measurement discontinued in wells 82, 233.

11. A. A. Davis. In Friendswood Lat. 29°31', long. 95°12'. Drilled farm artesian well in sand, diameter 4 inches, depth 560 feet. Highest water level 51.70 below lsd, Feb. 15, 1939; lowest 110.62 below lsd, May 7, 1951. Records available: 1939-42, 1948-51. May 7, 110.62.

16. Cecil Brown. In Friendswood Lat. 29°31', long. 95°12'. Drilled industrial artesian well in sand, diameter 6 to 4 inches, depth 562 feet, screen at 516-547. Highest water level 53.04 below lsd, Feb. 15, 1939; lowest 114.60 below lsd, Nov. 6, 1951. Records available: 1939-41, 1943-44, 1947-51. May 7, 111.04; Nov. 6, 114.60.

17. Old Friendswood School. In Friendswood Lat. 29°31', long. 95°11'. Drilled unused artesian well in sand, diameter 4 to 2½ inches, depth 440 feet. Highest water level 60.84 below lsd, Apr. 22, 1941; lowest 114.30 below lsd, Nov. 6, 1951. Records available: 1941-42, 1944-51. May 7, 109.60; Nov. 6, 114.30.

28. Galveston, Houston & Henderson Railroad. In League City Lat. 29°30', long. 95°05'. Drilled unused artesian well in sand, diameter 4 inches, depth 560 feet. Highest water level 47.66 below lsd, Apr. 7, 1939; lowest 102.18 below lsd, Nov. 6, 1951. Records available: 1931-33, 1939-51. May 9, 98.44; Nov. 6, 102.18.

29. Emil Schenk. In League City. Lat. 29°30', long. 95°05'. Drilled unused artesian well in sand, diameter 3 inches, depth 575 feet. Highest water level 47.35 below lsd, Mar. 14, 1939; lowest 102.18 below lsd, Nov. 6, 1951. Records available: 1939, 1941-42, 1944-51. May 9, 98.65; Nov. 6, 102.18.

42. J. Freund. In Kemah Lat. 29°32', long. 95°00'. Drilled unused artesian well in sand, diameter 2 inches, depth 500 feet. Highest water level 31.57 below lsd, Mar. 22, 1939; lowest 77.22 below lsd, Nov. 6, 1951. Records available: 1939-51. May 9, 75.18; Nov. 6, 77.22.

60. Dr. C. A. Davis. Lat. 29°32', long. 95°09'. Drilled domestic artesian well in sand, diameter 4 to 2 inches, depth 570 feet, cased to 570. Highest water level 42.15 below lsd, Mar. 16, 1939; lowest 110.65 below lsd, Nov. 8, 1950. Records available: 1939, 1941-42, 1944-51. May 9, 101.78.

81. J. M. West. Lat. 29°29', long. 95°10'. Drilled stock artesian well in sand, diameter 6 inches, depth 600 feet. Highest water level 32.9 below lsd, Oct. 11, 1931; lowest 109.10 below lsd, Nov. 6, 1951. Records available: 1931, 1939, 1941, 1944-51. May 7, 106.54; Nov. 6, 109.10.

89. P. V. Leavenworth. Lat. 29°29', long. 95°08'. Drilled stock artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 51.53 below lsd, July 23, 1941; lowest 91.71 below lsd, Nov. 7, 1950. Records available: 1941-42, 1944-51. May 7, 90.86.

115. J. W. Palmer. Lat. 29°26', long. 95°01'. Drilled unused artesian well in sand, diameter 4 inches, depth 526 feet. Highest water level 15.20 below lsd, Mar. 14, 1933; lowest 77.97 below lsd, May 5, 1949. Records available: 1932-33, 1935-51. May 2, 74.10; Nov. 7, 75.70.

130. Dr. Patton. Lat. 29°28', long. 95°05'. Drilled unused artesian well in sand, diameter 5 inches, depth 680 feet. Highest water level 49.17 below lsd, Mar. 24, 1939; lowest 85.02 below lsd, Nov. 6, 1951. Records available: 1939, 1941, 1945-51. May 7, 83.35; Nov. 6, 85.02.

162. D. C. Richards. Lat. 29°29', long. 94°56'. Drilled farm artesian well in sand, diameter 4 inches, depth 665 feet. Highest water level 45.09 below lsd, July 26, 1941; lowest 83.58 below lsd, Nov. 6, 1951. Records available: 1941-42, 1944-51. May 2, 82.12; Nov. 6, 83.58.

195. Pan-American Production Co. Lat. 29°24', long. 94°58'. Drilled industrial artesian well in sand, diameter 7 inches, depth 641 feet, screen at 599-640. Highest water level 42.32 below lsd, Sept. 15, 1939; lowest 102.70 below lsd, Oct. 5, 1948. Records available: 1939, 1941-51. May 2, 93.24.

205. Galveston, Houston & Henderson Railroad. At La Marque. Lat.  $29^{\circ}22'$ , long.  $94^{\circ}58'$ . Drilled industrial artesian well in sand, diameter 9 inches, depth 914 feet, screen at 873-914. Highest water level 4.2 below lsd, Apr. 15, 1931; lowest 102.75 below lsd, May 20, 1948. Records available: 1931, 1939, 1941-51. Nov. 7, 78.33.

243. Stone Oil Co. In Texas City. Lat.  $29^{\circ}22'$ , long.  $94^{\circ}54'$ . Drilled industrial artesian well in sand, diameter 16 to 8 inches, depth 801 feet, screens opposite sands between 486 and 785. Highest water level 61.27 below lsd, Dec. 14, 1940; lowest 144.62 below lsd, May 6, 1949. Records available: 1939-42, 1944, 1946-51. May 8, 104.93; Nov. 7, 104.43.

244. Stone Oil Co. In Texas City. Lat.  $29^{\circ}22'$ , long.  $94^{\circ}54'$ . Drilled unused artesian well in sand, diameter 6 inches, depth 788 feet, screen at 564-581 and 738-781. Highest water level 58.84 below lsd, July 10, 1940; lowest 169.58 below lsd, Oct. 6, 1948. Records available: 1939-51. May 8, 154.39. Measurement discontinued.

351. R. S. Wesmorland. Lat.  $29^{\circ}20'$ , long.  $94^{\circ}59'$ . Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 533 feet, screen at 493-533. Highest water level 23.72 below lsd, Apr. 25, 1939; lowest 83.94 below lsd, Nov. 5, 1951. Records available: 1939, 1941, 1944-51. May 1, 81.29; Nov. 5, 83.94.

382. Maco Stewart. Lat.  $29^{\circ}20'$ , long.  $94^{\circ}57'$ . Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 794 feet, screen at 753-794. Highest water level 24.23 below lsd, Jan. 25, 1939; lowest 84.93 below lsd, May 24, 1948. Records available: 1939, 1941-51. May 1, 70.57; Nov. 8, 73.57.

392. Sun Oil Co. and J. D. Hughes. Lat.  $29^{\circ}16'$ , long.  $95^{\circ}03'$ . Drilled unused artesian well in sand, diameter 7 to 4 inches, depth 869 feet, screens opposite sands between 458 and 867. Highest water level 44.53 below lsd, Apr. 19, 1944; lowest 62.27 below lsd, Oct. 7, 1948. Records available: 1944-51. May 1, 54.58; Nov. 5, 57.08.

396. Sun Oil Co. and Houston Farms & Development Co. Lat.  $29^{\circ}16'$ , long.  $95^{\circ}01'$ . Drilled stock artesian well in sand, diameter 7 to 5 inches, depth 923 feet, screens at 804-827 and 873-923. Highest water level 11.28 below lsd, Jan. 16, 1939; lowest 60.90 below lsd, Oct. 7, 1948. Records available: 1939, 1941-42, 1948-49, 1951. May 1, 53.67; Nov. 5, 56.17.

475. H. W. Thompson. Lat.  $29^{\circ}31'$ , long.  $95^{\circ}05'$ . Drilled unused artesian well in sand, diameter 6 inches, depth 550 feet. Highest water level 44.98 below lsd, Mar. 13, 1939; lowest 98.85 below lsd, Nov. 6, 1951. Records available: 1939, 1941, 1944-51. May 9, 95.13; Nov. 6, 98.85.

482. Mrs. Anna Varnell. In League City. Lat.  $29^{\circ}30'$ , long.  $95^{\circ}05'$ . Drilled domestic artesian well in sand, diameter 4 inches, depth 500 feet. Highest water level 47.31 below lsd, Mar. 13, 1939; lowest 102.10 below lsd, Nov. 6, 1951. Records available: 1939, 1941, 1944-51. May 9, 98.47; Nov. 6, 102.10.

566. Stanolind Oil & Gas Co. Lat.  $29^{\circ}27'$ , long.  $95^{\circ}00'$ . Drilled unused artesian well in sand, diameter 4 inches, depth 615 feet. Highest water level 43.26 below lsd, Mar. 23, 1939; lowest 85.67 below lsd, Nov. 6, 1951. Records available: 1939, 1941-42, 1944-51. May 9, 82.83; Nov. 6, 85.67.

570. C. L. Dobbins. Lat.  $29^{\circ}27'$ , long.  $95^{\circ}01'$ . Drilled farm artesian well in sand, diameter 6 inches, depth 1,167 feet, screens opposite sands between 483 and 923. Highest water level 46.82 below lsd, July 28, 1941; lowest 82.68 below lsd, Nov. 6, 1951. Records available: 1941, 1944-51. May 2, 80.70; Nov. 6, 82.68.

604. Maco Stewart and Humble Oil & Refining Co. Lat.  $29^{\circ}27'$ , long.  $95^{\circ}00'$ . Drilled industrial artesian well in sand, diameter 7 to 4 inches, depth 740 feet, screen at 541-605. Highest water level 44.79 below lsd, May 10, 1945; lowest 92.77 below lsd, Nov. 7, 1951. Records available: 1941-42, 1944-51. Nov. 7, 92.77. Measurement discontinued.

678. Galveston city well 17-N. Lat.  $29^{\circ}22'$ , long.  $95^{\circ}04'$ . Drilled unused artesian well in sand, diameter 7 inches, depth 790 feet, screen at 753-793. Highest water level 26 above lsd, 1893; lowest 109.65 below lsd, May 21, 1948. Records available: 1893, 1907, 1911, 1913, 1939, 1941-51. May 1, 100.35; Nov. 7, 103.55.

688. Galveston City test well 1. Lat.  $29^{\circ}22'$ , long.  $95^{\circ}04'$ . Drilled observation artesian well in sand, diameter 4 inches, depth 1,066 feet, screen at 864-874. Highest water level 68.93 below lsd, Mar. 15, 1941; lowest 111.85 below lsd, May 21, 1948. Records available: 1941-51. May 7, 104.47; Nov. 6, 96.77.

689. City of Galveston test well 2. Lat. 29°23', long. 95°06'. Drilled observation artesian well in sand, diameter 4 inches, depth 1,221 feet, cased to 850, screen at 850-870. Highest water level 55.9 below lsd, June 16, 1941; lowest 108.9 below lsd, Dec. 27, 1951. Records available: 1941-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	106.1	105.0	104.7	105.2	105.2	105.4	105.2	106.7	108.2	107.6	108.6	108.6
2	106.0	104.9	104.8	105.2	105.3	105.4	105.2	106.7	108.2	107.5	108.6	108.6
3	106.0	104.7	104.8	105.3	105.3	105.4	105.2	106.7	108.3	107.5	108.7	108.6
4	106.0	104.5	104.9	105.2	105.3	105.4	105.2	106.7	108.3	107.5	108.7	108.6
5	106.0	104.4	104.9	105.2	105.3	105.4	105.2	106.8	108.3	107.5	108.6	108.6
6	106.0	104.4	105.0	105.2	105.3	105.4	106.3	106.8	108.3	107.5	108.7	108.6
7	105.9	104.5	105.0	105.2	105.4	105.4	106.3	106.9	108.4	107.5	108.6	108.6
8	105.8	104.4	105.1	105.2	105.4	105.4	106.3	106.9	108.4	107.5	108.5	108.7
9	105.8	104.4	105.1	105.2	105.4	105.4	106.3	106.9	108.4	107.6	108.5	108.8
10	105.8	104.4	105.2	105.2	105.4	105.3	106.3	107.0	108.3	107.6	108.5	108.8
11	105.7	104.4	105.2	105.2	105.4	105.3	106.3	107.1	108.3	107.6	108.5	108.8
12	105.7	104.4	105.2	105.2	105.4	105.3	106.3	107.2	108.2	107.6	108.4	108.8
13	105.7	104.4	105.2	105.2	105.4	105.2	106.3	107.2	108.1	107.6	108.4	108.7
14	105.7	104.5	105.2	105.2	105.5	105.2	106.4	107.3	108.0	107.6	108.5	108.7
15	105.7	104.5	105.3	105.2	105.5	105.2	106.4	107.3	108.0	107.6	108.5	108.9
16	105.7	104.5	105.3	105.2	105.5	105.2	106.4	107.4	108.0	107.6	108.6	108.9
17	105.7	104.5	105.2	105.3	105.5	105.2	106.4	107.4	108.0	107.7	108.7	108.8
18	105.7	104.4	105.2	105.2	105.5	105.2	106.5	107.4	108.0	107.8	108.7	108.8
19	105.7	104.4	105.3	105.2	105.5	105.2	106.5	.....	108.0	107.9	108.7	108.7
20	105.7	104.4	105.4	105.2	105.5	105.2	106.5	.....	108.0	108.0	108.7	108.7
21	105.7	104.5	105.4	105.2	105.5	105.2	106.5	.....	107.9	108.0	108.7	108.8
22	105.6	104.5	105.3	105.2	105.4	105.2	106.6	.....	107.8	108.1	108.6	108.8
23	105.4	104.6	105.4	105.3	105.5	105.2	106.7	.....	107.8	108.2	108.6	108.8
24	105.3	104.5	105.4	105.3	105.4	105.2	106.6	.....	107.8	108.3	108.6	108.8
25	105.2	104.6	105.4	105.3	105.3	105.2	106.6	.....	107.8	108.3	108.6	108.8
26	105.1	104.6	105.2	105.3	105.3	105.2	106.6	.....	107.7	108.4	108.7	108.8
27	105.0	104.6	105.2	105.3	105.3	105.2	106.7	108.0	107.7	108.4	108.7	108.9
28	105.0	104.7	105.2	105.3	105.3	105.2	106.7	108.0	107.7	108.4	108.7	108.8
29	105.0		105.2	105.2	105.3	105.2	106.6	108.1	107.6	108.5	108.7	108.7
30	105.0		105.2	105.2	105.4	105.2	106.6	108.1	107.6	108.6	108.7	108.7
31	104.9		105.2		105.4		106.6	108.1		108.6		108.7

691. City of Galveston test well 3-A. In Hitchcock, lat. 29°20', long. 95°01'. Drilled observation artesian well in sand, diameter 2 inches, depth 940 feet, screen at 930-940. Highest water level 42.07 below lsd, Mar. 14, 1941; lowest 87.82 below lsd, May 21, 1948. Records available: 1941-51. May 1, 74.72; Nov. 5, 77.07.

699. Pure Oil Co. Lat. 29°25', long. 95°00'. Drilled industrial artesian well in sand, diameter 6 inches, depth 672 feet, screen at 641-671. Highest water level 55.42 below lsd, Aug. 8, 1941; lowest 101.68 below lsd, May 5, 1949. Records available: 1941-42, 1944-51. May 2, 93.76; Nov. 7, 96.27.

700. Chester Eignus. Lat. 29°31', long. 95°12'. Drilled unused artesian well in sand, diameter 4 inches, depth 425 feet. Highest water level 60.18 below lsd, July 21, 1941; lowest 113.47 below lsd, Nov. 6, 1951. Records available: 1941-42, 1944-51. May 7, 109.57; Nov. 6, 113.47.

708. Phillips Petroleum Co. Lat. 29°27', long. 95°06'. Drilled unused artesian well in sand, diameter 4 inches, depth 700 feet. Highest water level 38.50 below lsd, May 6, 1942; lowest 82.53 below lsd, Apr. 10, 1944. Records available: 1941-42, 1944-51. May 7, 55.40; Nov. 6, 55.10.

709. Phillips Petroleum Co. Lat. 29°08', long. 95°07'. Drilled unused artesian well in sand, diameter 6 inches, depth 700 feet. Highest water level 48.98 below lsd, Aug. 2, 1941; lowest 83.95 below lsd, Nov. 6, 1951. Records available: 1941-42, 1944-51. May 7, 81.79; Nov. 6, 83.95.

710. Stanolind Oil & Gas Co. Lat. 29°19', long. 95°11'. Drilled unused artesian well in sand, diameter 4 inches, depth 744 feet, screen at 701-744. Highest water level 48.48 below lsd, July 23, 1941; lowest 85.23 below lsd, Oct. 7, 1948. Records available: 1941, 1943-51. May 1, 78.18; Nov. 5, 81.02.

711. Stanolind Oil & Gas Co. Lat. 29°19', long. 95°06'. Drilled unused artesian well in sand, diameter 5 inches, depth 720 feet. Highest water level 27.74 below lsd, May 5, 1950; lowest 33.80 below lsd, July 23, 1941. Records available: 1941-42, 1944-51. May 1, 28.04; Nov. 5, 28.28.

787. City of Galveston test well 8-11. Lat. 29°25', long. 95°08'. Drilled observation artesian well in sand, diameter 4 inches, depth 677 feet, screen at 667-677. Highest water level 54.16 below lsd, May 27, 1942; lowest 106.52 below lsd, Oct. 24, 1951. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	103.45	Apr. 24	103.52	July 23	104.01	Oct. 24	106.52
Feb. 23	102.48	May 24	104.34	Aug. 27	106.37	Nov. 26	106.21
Mar. 23	103.66	June 22	103.10	Sept. 24	106.12	Dec. 20	106.28

#### Guadalupe County

316. Alvin Fresinhahn. Lat. 29°35', long. 98°18'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 310 feet. Land-surface datum is 769.95 feet above msl. Highest water level 100.86 below lsd, May 19, 1938; lowest 124.04 below lsd, Jan. 22, 1951. Records available: 1933, 1936-51. Jan. 22, 124.04. Measurement discontinued.

#### Hale County

Measurement discontinued in wells 17a, 123, 124b, 323, 357, 367, 373, 402, 422, 435, 617, 641, 661, 720b, 724, 1231, 1336, 1433, 1437, 1529.

15. S. C. Hutchinson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, blk. S1, lat. 34°15', long. 101°56'. Drilled unused water-table well in sand, diameter 16 inches, depth 100 feet. Highest water level 57.30 below lsd, Aug. 19, 1937; lowest 67.60 below lsd, Jan. 17, 1951. Records available: 1937, 1941-51. Jan. 17, 67.60.

36. G. D. Lewellen. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, blk. 06, lat. 34°12', long. 101°58'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 202 feet. Highest water level 76.88 below lsd, Jan. 6, 1938; lowest 87.59 below lsd, Feb. 18, 1950. Records available: 1936-38, 1941-50. No measurement made in 1951.

68. Tom Bostic. SE $\frac{1}{4}$  sec. 23, blk. S1, lat. 34°15', long. 102°01'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 155 feet. Highest water level 66.90 below lsd, Sept. 26, 1939; lowest 74.40 below lsd, Jan. 17, 1951. Records available: 1939, 1947-49, 1951. Jan. 17, 74.40.

70. Tom Bostic. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, blk. S1, lat. 34°18', long. 102°80'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 161 feet. Highest water level 66.63 below lsd, Mar. 12, 1947; lowest 72.72 below lsd, Jan. 17, 1951. Records available: 1947-49, 1951. Jan. 17, 72.72.

81. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 51, blk. K, lat. 34°19', long. 101°56'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet, slotted at 52-202. Highest water level 59.37 below lsd, Feb. 19, 1945; lowest 74.75 below lsd, Feb. 2, 1951. Records available: 1945-51. Feb. 2, 74.75.

86. R. V. Craig. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. 06, lat. 34°13', long. 101°58'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 224 feet, slotted at 64-224. Highest water level 80.76 below lsd, Mar. 12, 1947; lowest 87.42 below lsd, Feb. 18, 1950. Records available: 1947-50. No measurement made in 1951.

93. R. A. McAlister. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, blk. 06, lat. 34°14', long. 101°59'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 196 feet. Highest water level 85.95 below lsd, Mar. 12, 1947; lowest 95.41 below lsd, Jan. 17, 1951. Records available: 1947-51. Jan. 17, 95.41.

103. Carl Meyer. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, blk. C4, lat. 34°17', long. 101°53'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet, cased to 60. Highest water level 44.33 below lsd, Jan. 27, 1943; lowest 56.51 below lsd, Jan. 18, 1951. Records available: 1936-51. Jan. 18, 56.51.

104. W. A. Painter. Center SE $\frac{1}{4}$  sec. 31, blk. S1, lat. 34°16', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 186 feet, cased to 120. Highest water level 53.58 below lsd, Mar. 12, 1947; lowest 60.38 below lsd, Feb. 18, 1950. Records available: 1947-50. No measurement made in 1951.

105. Texas Land & Development Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 27, blk. S1, lat. 34°15', long. 101°51'. Drilled irrigation water-table well in sand, diameter 24 to 13 inches, depth 290 feet, cased to 282, slotted at 104-282. Highest water level 48.80 below lsd, Apr. 18, 1934, and Jan. 27, 1943; lowest 64.42 below lsd, Jan. 18, 1951. Records available: 1934, 1937-51. Jan. 18, 64.62.

125. E. E. Clark. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. JK4, lat. 34°11', long. 101°55'. Drilled stock water-table well in sand, diameter 4 inches. Highest water level 78.20 below lsd, Jan. 6, 1938; lowest 95.73 below lsd, Jan. 17, 1951. Records available: 1937-42, 1945-51. Jan. 17, 95.73.
138. W. A. Painter. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 31, blk. S1, lat. 34°17', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 50.02 below lsd, Mar. 12, 1947; lowest 56.92 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951. Jan. 18, 56.92.
154. W. H. Smith. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, blk. JK, lat. 34°12', long. 101°55'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 238 feet, cased to 238, screen at 64-238. Highest water level 68.56 below lsd, Mar. 21, 1947; lowest 77.23 below lsd, Jan. 17, 1951. Records available: 1947-49, 1951. Jan. 17, 77.23.
163. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. JK, lat. 34°14', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 182 feet. Highest water level 48.06 below lsd, Mar. 26, 1943; lowest 65.89 below lsd, Jan. 17, 1951. Records available: 1943-47, 1949-51. Jan. 17, 65.89.
164. S. E. Curry. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. JK, lat. 34°14', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 172 feet. Highest water level 50.70 below lsd, Mar. 17, 1940; lowest 74.19 below lsd, Jan. 17, 1951. Records available: 1940, 1943-51. Jan. 17, 74.19.
165. A. B. Tarwater. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, blk. JK, lat. 34°14', long. 101°50'. Drilled irrigation water-table well in sand, depth 240 feet. Highest water level 51.70 below lsd, Mar. 26, 1943; lowest 67.09 below lsd, Feb. 15, 1950. Records available: 1939, 1943-50. No measurement made in 1951.
202. Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 20, blk. C3, lat. 34°19', long. 101°46'. Drilled irrigation water-table well in sand, diameter 26 to 13 inches, depth 256 feet. Highest water level 60.50 below lsd, Apr. 29, 1916; lowest 80.18 below lsd, Feb. 14, 1950. Records available: 1916, 1934, 1936-39, 1942-50. No measurement made in 1951.
206. Texas Land & Development Co. Lat. 34°19', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 to 13 inches, depth 165 feet. Highest water level 62.00 below lsd; Sept. 8, 1916; lowest 83.24 below lsd, Jan. 19, 1951. Records available: 1916, 1936-49, 1951. Jan. 19, 83.24.
208. Texas Land & Development Co. Lat. 34°19', long. 101°43'. Drilled irrigation well in sand, diameter 26 to 13 inches, depth 265 feet. Highest water level 54.70 below lsd, Jan. 6, 1916; lowest 79.52 below lsd, Jan. 18, 1951. Records available: 1916, 1936-51. Jan. 18, 79.52.
210. Dr. M. Howell. NW $\frac{1}{4}$  D. R. McVicker survey, lat. 34°19', long. 101°43'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 206 feet. Highest water level 62.06 below lsd, May 7, 1936; lowest 84.86 below lsd, Jan. 18, 1951. Records available: 1936-51. Jan. 18, 84.86.
212. Ray Smith. Lat. 34°19', long. 101°42'. Drilled irrigation water-table well in sand, diameter 24 to 13 inches, depth 171 feet. Highest water level 51.50 below lsd, Sept. 12, 1914; lowest 75.70 below lsd, Jan. 18, 1951. Records available: 1914, 1938-51. Jan. 18, 75.70.
219. J. C. Pace. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, JK 3, lat. 34°17', long. 101°45'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 251 feet. Highest water level 53.50 below lsd, Apr. 6, 1916; lowest 80.38 below lsd, Jan. 18, 1951. Records available: 1916, 1947-51. Jan. 18, 80.38.
220. W. M. Toliver. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, blk. JK 3, lat. 34°16', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 to 13 inches, depth 252 feet. Highest water level 46.0 below lsd, July 7, 1916; lowest 72.83 below lsd, Jan. 18, 1951. Records available: 1916, 1934, 1937-51. Jan. 18, 72.83.
225. M. L. Monroe. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 19, blk. C3, lat. 34°17', long. 101°46'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 212 feet. Highest water level 62.07 below lsd, Mar. 13, 1947; lowest 74.29 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951. Jan. 18, 74.29.
232. R. Carter. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, blk. JK 3, lat. 34°14', long. 101°45'. Drilled irrigation water-table well in sand, diameter 26 inches. Highest water level 39.08 below lsd, 1914; lowest 79.80 below lsd, Feb. 14, 1950. Records available: 1914, 1936-41, 1943-50. No measurement made in 1951.

238. Dr. McKinley Howell.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 8, blk. JK 3, lat.  $34^{\circ}14'$ , long.  $101^{\circ}44'$ . Drilled irrigation water-table well in sand, diameter 26 inches, depth 180 feet. Highest water level 42.0 below lsd, 1914; lowest 68.40 below lsd, Jan. 18, 1951. Records available: 1914, 1936-51. Jan. 18, 68.40.
241. S. Simpson.  $NW\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 36, blk. JK 2, lat.  $34^{\circ}13'$ , long.  $101^{\circ}43'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 198 feet, slotted casing at 44-124. Highest water level 47.86 below lsd, Sept. 14, 1937; lowest 82.75 below lsd, Jan. 16, 1951. Records available: 1937, 1947-49, 1951. Jan. 16, 82.75.
255. C. H. Slaton.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 15, blk. JK 2, lat.  $34^{\circ}11'$ , long.  $101^{\circ}47'$ . Drilled irrigation water-table well in sand, depth 72 feet. Highest water level 20.0 below lsd, 1910; lowest 35.80 below lsd, Jan. 17, 1951. Records available: 1910, 1914, 1937-49, 1951. Jan. 17, 35.80.
259. C. J. Ebeling.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 3, blk. JK 2, lat.  $34^{\circ}11'$ , long.  $101^{\circ}49'$ . Drilled irrigation water-table well in sand, depth 85 feet, not cased. Highest water level 13.32 below lsd, Nov. 13, 1941; lowest 34.92 below lsd, Jan. 17, 1951. Records available: 1914, 1936-49, 1951. Jan. 17, 34.92.
305. T. H. Ringwald. Lat.  $34^{\circ}19'$ , long.  $101^{\circ}41'$ . Drilled unused irrigation water-table well in sand, diameter 24 to 13 inches, depth 272 feet. Highest water level 47.0 below lsd, Apr. 2, 1917; lowest 94.79 below lsd, Jan. 18, 1951. Records available: 1917, 1937-51. Jan. 18, 94.79.
307. B. F. Whitfield. Lat.  $34^{\circ}19'$ , long.  $101^{\circ}40'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 165 feet. Highest water level 55.0 below lsd, 1915; lowest 81.20 below lsd, Feb. 14, 1950. Records available: 1915, 1934, 1937-51. Jan. 18, 77.70.
316. Homer Rook.  $NW\frac{1}{4}$  S. D. Lemaster survey, lat.  $34^{\circ}18'$ , long.  $101^{\circ}40'$ . Drilled irrigation water-table well in sand. Highest water level 46.70 below lsd, Apr. 23, 1936; lowest 67.51 below lsd, Jan. 18, 1951. Records available: 1936-51. Jan. 18, 67.51.
- 317a. Henry Duncan.  $NE\frac{1}{4}$  J. F. Owens survey, lat.  $34^{\circ}18'$ , long.  $101^{\circ}40'$ . Drilled irrigation water-table well in sand. Replacement for well 317. Highest water level 60.68 below lsd, Feb. 21, 1948; lowest 66.83 below lsd, Jan. 18, 1951. Records available: 1948-51. Jan. 18, 66.83.
- 330a. E. H. Cox.  $NE\frac{1}{4}$  J. M. Martin survey, lat.  $34^{\circ}14'$ , long.  $101^{\circ}39'$ . Drilled irrigation water-table well in sand. Replacement for well 330. Highest water level 57.00 below lsd, Feb. 21, 1948; lowest 64.72 below lsd, Jan. 18, 1951. Records available: 1948-51. Jan. 18, 64.72.
332. J. E. Rigler.  $SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$  sec. 112, blk. D2, lat.  $34^{\circ}14'$ , long.  $101^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 210 feet. Highest water level 53.60 below lsd, Mar. 13, 1947; lowest 63.40 below lsd, Feb. 14, 1950. Records available: 1947-50. No measurement made in 1951.
334. P. I. Williams.  $SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$  sec. 131, blk. D2, lat.  $34^{\circ}16'$ , long.  $101^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 219 feet, slotted casing at 0-219. Highest water level 62.33 below lsd, Mar. 19, 1947; lowest 70.47 below lsd, Jan. 18, 1951. Records available: 1947-51. Jan. 18, 70.47.
338. Dr. J. H. Stewart.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 110, blk. D2, lat.  $34^{\circ}14'$ , long.  $101^{\circ}34'$ . Drilled irrigation water-table well in sand, depth 222 feet. Highest water level 41.96 below lsd, 1914; lowest 59.20 below lsd, Feb. 14, 1950. Records available: 1914, 1936-50. No measurement made in 1951.
370. D. A. Reading.  $SE\frac{1}{4}SE\frac{1}{4}$  sec. 5, blk. D4, lat.  $34^{\circ}13'$ , long.  $101^{\circ}40'$ . Drilled irrigation water-table well in sand, diameter 8 inches. Highest water level 42.25 below lsd, Mar. 12, 1938; lowest 59.19 below lsd, Feb. 13, 1950. Records available: 1937-50. No measurement made in 1951.
427. C. M. Smith.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 17, blk. D5, lat.  $34^{\circ}09'$ , long.  $101^{\circ}34'$ . Drilled irrigation water-table well in sand. Highest water level 41.0 below lsd, 1914; lowest 66.87 below lsd, Feb. 18, 1950. Records available: 1914, 1936-50. No measurement made in 1951.
428. W. L. Cross. Formerly C. M. Smith.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 17, blk. D5, lat.  $34^{\circ}09'$ , long.  $101^{\circ}34'$ . Drilled observation water-table well in sand, diameter 24 inches. Highest water level 45.31 below lsd, Mar. 10, 1938; lowest 79.6 below lsd, Aug. 25, 1950. Records available: 1936-51.

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Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	71.45	71.65	71.33	76.75	75.20	73.88	76.53	.....	.....	76.84	76.32	75.31
2	71.45	71.58	71.30	76.67	75.19	73.92	74.57	.....	.....	76.95	76.22	75.27
3	71.35	71.50	71.41	77.10	75.75	73.86	74.15	.....	.....	77.08	76.15	75.28
4	71.40	71.47	71.47	77.33	75.52	73.73	73.92	.....	.....	77.10	76.07	75.20
5	71.35	71.40	71.50	76.85	75.22	73.64	73.72	.....	81.50	77.10	76.07	75.17
6	71.40	71.42	71.60	76.57	75.28	73.61	.....	.....	.....	77.15	76.08	75.18
7	71.35	71.52	71.85	76.38	75.10	73.62	.....	.....	.....	77.23	76.00	75.27
8	71.30	71.50	72.25	76.38	75.04	73.70	.....	.....	.....	77.32	75.92	75.28
9	73.65	71.57	72.55	76.31	75.09	73.81	.....	.....	.....	77.50	75.92	75.34
10	74.15	71.54	72.65	77.00	75.00	73.95	.....	.....	.....	77.68	75.88	75.19
11	74.50	71.52	73.60	76.94	74.86	74.04	73.67	.....	.....	77.61	75.80	75.15
12	72.50	71.45	72.35	76.56	74.76	74.25	73.95	.....	.....	77.65	75.73	75.10
13	73.00	71.52	72.18	76.56	74.70	74.44	76.15	.....	78.57	77.70	75.74	75.06
14	72.00	71.45	72.20	76.81	74.63	74.35	77.95	.....	78.36	77.45	75.72	75.07
15	71.90	71.37	72.37	76.03	74.54	74.43	76.80	.....	78.25	77.22	75.72	75.15
16	74.70	71.33	73.60	75.88	74.45	74.10	78.25	.....	78.08	77.20	75.81	75.07
17	75.00	71.30	75.40	78.70	74.43	73.88	78.50	.....	77.94	77.16	75.75	75.01
18	74.50	71.30	75.85	77.07	74.35	73.88	78.80	.....	77.80	77.15	75.64	75.00
19	74.10	71.28	75.90	79.03	74.30	73.95	79.32	.....	77.66	77.00	75.62	75.05
20	72.75	71.36	76.30	77.75	74.23	74.00	79.67	.....	77.55	76.89	75.56	75.03
21	72.20	71.38	76.80	77.64	74.15	73.82	80.26	.....	77.50	76.90	75.54	75.05
22	72.00	71.40	76.97	76.65	74.12	74.06	80.60	.....	77.35	77.07	75.54	.....
23	72.00	71.42	77.23	76.45	73.98	74.40	80.60	.....	77.22	77.24	75.52	75.03
24	71.95	71.40	77.50	79.46	73.91	74.48	80.25	.....	77.15	77.30	75.50	75.03
25	72.02	71.38	77.55	79.46	73.85	74.16	78.42	.....	77.05	77.09	75.50	75.04
26	71.90	71.40	76.87	79.47	73.82	74.57	80.00	.....	77.00	76.85	75.48	75.12
27	71.89	71.30	77.68	76.50	73.74	74.02	80.65	.....	77.00	76.74	75.42	75.14
28	71.87	71.32	77.95	75.90	73.68	73.96	80.66	.....	76.96	76.58	75.40	75.00
29	71.82		76.80	75.52	73.69	73.97	80.66	.....	76.95	76.47	75.37	74.96
30	71.72		78.55	75.42	73.79	74.00	80.66	.....	76.95	76.43	75.35	74.90
31	71.67		77.85		73.87		80.65			76.36		74.88

433a. Lizzie B. Morris. SW. corner sec. 37, blk. D6, lat. 34°07', long. 101°35'. Drilled farm water-table well in sand. Highest water level 6.47 below lsd, Nov. 21, 1941; lowest 37.20 below lsd, Jan. 23, 1951. Records available: 1938-51. Jan. 23, 37.20.

436. I. B. Rankin. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, blk. D6, lat. 34°07', long. 101°37'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 293 feet. Highest water level 50.30 below lsd, Jan. 4, 1936; lowest 78.45 below lsd, Jan. 23, 1951. Records available: 1936-51. Jan. 23, 78.45.

449. G. A. Benefield. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D7, lat. 34°06', long. 101°43'. Drilled irrigation water-table well in sand. Highest water level 57.5 below lsd, 1914; lowest 69.87 below lsd, Jan. 19, 1951. Records available: 1914, 1936-51. Jan. 19, 69.87.

454. R. L. Powell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, blk. N, lat. 34°06', long. 101°33'. Drilled irrigation water-table well in sand, diameter 24 to 16 inches, depth 265 feet. Highest water level 47.6 below lsd, June 27, 1914; lowest 87.39 below lsd, Jan. 23, 1951. Records available: 1914, 1937-41, 1943-51. Jan. 23, 87.39.

462. R. E. Keniston. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, blk. N, lat. 34°05', long. 101°34'. Drilled unused water-table well in sand, diameter 26 inches, depth 286 feet. Highest water level 36.5 below lsd, 1914; lowest 74.90 below lsd, Jan. 23, 1951. Records available: 1914, 1936-49, 1951. Jan. 23, 74.90.

463. R. E. Keniston. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, blk. N, lat. 34°05', long. 101°34'. Drilled irrigation water-table well in sand, diameter 24 to 17 inches, depth 285 feet. Highest water level 31.97 below lsd, Jan. 26, 1943; lowest 63.99 below lsd, Jan. 23, 1951. Records available: 1914, 1937-51. Jan. 23, 63.99.

467. M. E. Courtney. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. N, lat. 34°05', long. 101°37'. Drilled unused water-table well in sand, diameter 26 inches, depth 135 feet, not cased. Highest water level 32.65 below lsd, June 28, 1938; lowest 45.12 below lsd, Jan. 23, 1951. Records available: 1937-51. Jan. 23, 45.12.

470. N. H. Neer. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, blk. D7, lat. 34°03', long. 101°39'. Drilled unused water-table well in sand, diameter 22 inches. Highest water level 30.44 below lsd, Feb. 8, 1944; lowest 37.37 below lsd, Jan. 22, 1951. Records available: 1936-51. Jan. 22, 37.37. Measurement discontinued.

497. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, blk. D5, lat. 34°09', long. 101°36'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 204 feet, slotted casing. Highest water level 48.37 below lsd, Mar. 7, 1945; lowest 65.55 below lsd, Jan. 16, 1951. Records available: 1945-51. Jan. 16, 65.55.

539a. Fred Rastetter. SE. corner sec. 29, blk. A, lat. 34°05', long. 101°48'. Drilled irrigation water-table well in sand. Replacement for well 539. Highest water level 67.00 below lsd, Mar. 7, 1949; lowest 72.68 below lsd, Feb. 16, 1950. Records available: 1949-51. Jan. 19 68.35.

546. G. E. Bench. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, blk. A1, lat. 34°05', long. 101°45'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet, casing slotted. Highest water level 57.39 below lsd, Mar. 14, 1947; lowest 66.41 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 66.41.

552. H. S. Dunaway. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, blk. A, lat. 34°03', long. 101°46'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 317 feet. Highest water level 57.36 below lsd, Apr. 16, 1934; lowest 69.35 below lsd, Jan. 19, 1951. Records available: 1914, 1934, 1936-51. Jan. 19, 69.35.

553. B. Jacobs. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, blk. A1, lat. 34°03', long. 101°46'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 309 feet. Highest water level 52.16 below lsd, Nov. 2, 1937; lowest 63.05 below lsd, Jan. 19, 1951. Records available: 1934, 1936-51. Jan. 19, 63.05.

562. J. H. Sweat. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. A1, lat. 34°03', long. 101°48'. Drilled irrigation water-table well in sand, diameter 13 inches, depth 200 feet, casing slotted at 80-207. Highest water level 61.92 below lsd, Mar. 14, 1947; lowest 69.86 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 69.86.

564. T. F. Mounts. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, blk. A1, lat. 34°04', long. 101°49'. Drilled unused water-table well in sand, diameter 16 inches. Highest water level 55.73 below lsd, Apr. 12, 1938; lowest 70.80 below lsd, Jan. 19, 1951. Records available: 1937-51. Jan. 19, 70.80.

569. O. C. Sanders. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. A1, lat. 34°02', long. 101°49'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 210 feet. Highest water level 52.56 below lsd, Jan. 6, 1938; lowest 63.57 below lsd, Jan. 19, 1951. Records available: 1914, 1917, 1936-51. Jan. 19, 63.57.

714. W. E. Burnett. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 30, blk. A3, lat. 33°59', long. 101°58'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 218 feet. Highest water level 79.50 below lsd, Mar. 21, 1947; lowest 90.95 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 90.95.

798. W. E. Burnett. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, blk. A3, lat. 33°59', long. 101°57'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 277 feet. Highest water level 80.66 below lsd, Mar. 11, 1947; lowest 86.52 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 86.52.

816. A. M. Eason. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, blk. R, lat. 33°58', long. 101°43'. Drilled unused water-table well in sand, diameter 12 inches, depth 94 feet. Highest water level 53.82 below lsd, Feb. 16, 1944; lowest 60.97 below lsd, Jan. 22, 1951. Records available: 1936-51. Jan. 22, 60.97.

828. John Bowling. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, blk. A4, lat. 33°59', long. 101°51'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 218 feet, cased to 20. Highest water level 71.12 below lsd, Jan. 24, 1943; lowest 80.81 below lsd, Jan. 19, 1951. Records available: 1938-51. Jan. 19, 80.81.

829. John Bowling. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, blk. A4, lat. 33°59', long. 101°51'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 318 feet. Highest water level 76.74 below lsd, Mar. 11, 1947; lowest 82.24 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 82.24.

837. F. L. Hunzicker. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 54, blk. A4, lat. 33°57', long. 101°46'. Drilled unused water-table well in sand. Highest water level 61.65 below lsd, Feb. 16, 1945; lowest 63.81 below lsd, Mar. 3, 1949. Records available: 1936, 1938-50. Measurement discontinued.

840. Debb McLaughlin. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, blk. R, lat. 34°56', long. 101°41'. Drilled unused water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 57.72 below lsd, Jan. 24, 1943; lowest 65.56 below lsd, Jan. 22, 1951. Records available: 1937-43, 1945-51. Jan. 22, 65.56.



848. Mrs. J. E. Cheney. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 75, blk. A4, lat. 33°53', long. 101°51'. Drilled stock water-table well in sand, diameter 4 inches, depth 105 feet. Highest water level 95.20 below lsd, Nov. 25, 1941; lowest 98.72 below lsd, Feb. 18, 1950. Records available: 1937-42, 1948-50. No measurement made in 1951.

852. Abernathy Cemetery. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 2, blk. X, lat. 33°50', long. 101°51'. Drilled cemetery water-table well in sand, diameter 5 inches, depth 128 feet. Highest water level 115.20 below lsd, Jan. 24, 1943; lowest 125.80 below lsd, Aug. 2, 1951. Records available: 1937-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	122.96	Apr. 3	123.72	July 2	125.00	Oct. 2	125.86
Feb. 6	123.22	May 1	124.79	Aug. 2	125.80	Nov. 6	125.64
Mar. 1	123.28	June 9	125.06	Sept. 10	124.52	Dec. 3	125.63

859. L. Ragland. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, blk. CL, lat. 33°52', long. 101°41'. Drilled irrigation water-table well in sand, diameter 15 to 13 inches, depth 200 feet, cased to 120. Highest water level 72.25 below lsd, Jan. 24, 1943; lowest 87.22 below lsd, Feb. 18, 1950. Records available: 1937-50. No measurement made in 1951.

906. Floyd Reagan. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 59, blk. R, lat. 34°01', long. 101°36'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 37.70 below lsd, May 5, 1936; lowest 46.89 below lsd, Jan. 22, 1951. Records available: 1936-51. Jan. 22, 46.89.

923. D. C. Bayley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. R, lat. 34°01', long. 101°41'. Drilled unused water-table well in sand, diameter 10 inches. Highest water level 48.02 below lsd, Feb. 16, 1944; lowest 58.26 below lsd, Jan. 22, 1951. Records available: 1937-51. Jan. 22, 58.26.

956. J. W. Heard. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, blk. R, lat. 33°57', long. 101°41'. Drilled unused water-table well in sand, diameter 16 inches, depth 200 feet, cased to 40. Highest water level 63.59 below lsd, Feb. 16, 1944; lowest 72.89 below lsd, Jan. 22, 1951. Records available: 1937-51. Jan. 22, 72.89.

958. Luther Bain. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. R, lat. 33°56', long. 101°41'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 108 feet, not cased. Highest water level 55.33 below lsd, Jan. 24, 1943; lowest 66.24 below lsd, Feb. 19, 1950. Records available: 1936-50. No measurement made in 1951.

971. L. S. Claitor. NW. corner sec. 15, blk. CL, lat. 33°54', long. 101°36'. Drilled unused water-table well in sand, diameter 18 inches, depth 240 feet. Highest water level 58.10 below lsd, Feb. 16, 1944; lowest 73.25 below lsd, Jan. 22, 1951. Records available: 1937-40, 1942-51. Jan. 22, 73.25. Measurement discontinued.

1403. Ralph Walker. SW. corner F. Bradford survey, lat. 34°09', long. 101°41'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet. Highest water level 52.27 below lsd, Mar. 11, 1947; lowest 61.08 below lsd, Feb. 16, 1950. Records available: 1947-51. Jan. 23, 60.26.

1417. Ralph Walker. SW. corner L. G. Hoffman survey, lat. 34°08', long. 101°42'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 160 feet, casing slotted at 10-160. Highest water level 58.79 below lsd, Mar. 11, 1947; lowest 67.62 below lsd, Jan. 19, 1951. Records available: 1947-49, 1951. Jan. 19, 67.62.

1430. A. H. Schrock. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, blk. D7, lat. 34°05', long. 101°39'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 43.54 below lsd, Nov. 28, 1945; lowest 54.85 below lsd, Jan. 22, 1951. Records available: 1945, 1947-51. Jan. 22, 54.85.

1436. H. O. Thompson. NW. corner sec. 34, blk. D6, lat. 34°07', long. 101°37'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, casing slotted at 40-200. Highest water level 58.79 below lsd, Mar. 14, 1947; lowest 74.51 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 74.51.

1604. J. E. Laney. Lat. 34°06', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 62.07 below lsd, Mar. 21, 1947; lowest 71.32 below lsd, Jan. 19, 1951. Records available: 1947-49, 1951. Jan. 19, 71.32.

1609. W. P. Shannon. SE $\frac{1}{4}$  sec. 21, blk. A2, lat. 34°04', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 64.60 below lsd, Mar. 21, 1947; lowest 73.30 below lsd, Feb. 16, 1950. Records available: 1947-51. Jan. 19, 72.09.

1921. J. V. Newton. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. CL, lat. 33°53', long. 101°36'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 180 feet. Highest water level 67.69 below lsd, Mar. 11, 1947; lowest 85.03 below lsd, Jan. 21, 1951. Records available: 1947-49, 1951. Jan. 22, 85.03.

#### Harris County

Measurement discontinued in wells 98, 134a, 221, 230, 370, 382, 854, 936, 1170, 1299, 1500.

6a. C. H. Burton. In Waller, lat. 30°03', long. 95°55'. Drilled farm water-table well in sand, diameter 10 inches, depth 22 feet. Highest water level 3.50 below lsd, Nov. 6, 1941; lowest 15.42 below lsd, Nov. 28, 1932. Records available: 1931-35, 1939-51. Feb. 26, 13.52; June 16, 11.51; Sept. 17, 14.23; Dec. 18, 14.67.

11. H. J. Moore. Lat. 30°02', long. 95°52'. Drilled stock artesian well in sand, diameter 6 inches, depth 70 feet. Highest water level 42.85 below lsd, Dec. 18, 1946; lowest 49.24 below lsd, Feb. 2, 1938. Records available: 1931-32, 1936-51. Feb. 26, 44.67; June 15, 44.63.

14. J. A. Hafner. Lat. 30°03', long. 95°53'. Drilled unused artesian well in sand, diameter 4 inches, depth 122 feet. Highest water level 48.30 below lsd, Apr. 13, 1931; lowest 79.05 below lsd, Sept. 28, 1950. Records available: 1931-34, 1936-51. Feb. 26, 63.19; Dec. 18, 70.44.

31. R. L. Burton. Lat. 30°02', long. 95°51'. Drilled farm artesian well in sand, diameter 6 to 4 inches, depth 297 feet, screen at 246-289. Highest water level 39.30 below lsd, Apr. 28, 1943; lowest 99.92 below lsd, Sept. 19, 1949. Records available: 1928, 1931-33, 1935-36, 1938-51. Feb. 26, 53.40; June 15, 91.05; Sept. 17, 93.00; Dec. 18, 61.50.

33. W. G. Neeley. In Hockley, lat. 30°01', long. 95°50'. Drilled unused water-table well in sand, diameter 10 inches, depth 61 feet, cased with tile. Highest water level 1.48 below lsd, Jan. 17, 1946; lowest 43.72 below lsd, Dec. 18, 1951. Records available: 1931-51. Feb. 26, 39.28; June 15, 39.46; Sept. 17, 42.00; Dec. 18, 43.72.

35. Dr. A. N. Boyd. Lat. 30°01', long. 95°49'. Drilled unused water-table well in sand, diameter 8 inches, depth 35 feet, cased with tile. Highest water level 8.03 below lsd, Jan. 30, 1947; lowest 33.80 below lsd, Sept. 17, 1951. Records available: 1931-51. Feb. 26, 30.92; June 15, 31.65; Sept. 17, 33.80; Dec. 18, 32.62.

40. Ira Southard. Lat. 30°01', long. 95°50'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 497 feet, casing slotted opposite sand. Highest water level 40.30 below lsd, Mar. 17, 1942; lowest 68.10 below lsd, Nov. 12, 1948. Records available: 1940-51. Apr. 2, 53.31.

69. W. F. Klenk. Lat. 30°03', long. 95°29'. Dug farm water-table well in sand, diameter 36 inches, depth 37 feet, cribbed with brick. Highest water level 3.16 below lsd, Oct. 3, 1944; lowest 29.05 below lsd, Dec. 17, 1951. Records available: 1911, 1944-51. Mar. 1, 27.21; June 25, 28.17; Sept. 21, 28.77; Dec. 17, 29.05.

70. E. W. Klenk. Lat. 30°03', long. 95°29'. Drilled farm artesian well in sand, diameter 3 inches, depth 106 feet. Highest water level 0.30 above lsd, Oct. 3, 1944; lowest 29.86 below lsd, Dec. 17, 1951. Records available: 1938, 1944-51. Mar. 1, 28.13; June 25, 29.13; Sept. 21, 29.48; Dec. 17, 29.86.

95. H. C. Middlestead. Lat. 30°03', long. 95°25'. Dug unused water-table well in sand, diameter 6 feet, depth 32 feet, curbed with brick. Highest water level 4.76 below lsd, Jan. 31, 1947; lowest 25.78 below lsd, Oct. 4, 1940. Records available: 1931-36, 1939-51. Mar. 1, 22.39; June 25, 23.03; Sept. 21, 23.72; Dec. 17, 24.09.

97. H. C. Middlestead. Lat. 30°03', long. 95°26'. Drilled observation water-table well in sand, diameter 2 inches, depth 16 feet. Highest water level 1.25 below lsd, Jan. 28, 1944; lowest 15.42 below lsd, May 8, 1933. Records available: 1931-36, 1938-44, 1946-51. Mar. 1, dry at 12; June 25, dry at 12. Measurement discontinued.

100. D. D. Mintz. Lat. 30°00', long. 95°27'. Drilled farm artesian well in sand, diameter 3 inches, depth 96 feet. Highest water level 15.05 below lsd, Oct. 14, 1944; lowest 43.32 below lsd, Dec. 17, 1951. Records available: 1944-51. Mar. 1, 38.97; June 25, 40.49; Sept. 19, 42.58. Dec. 17, 43.32.

104. George Glameyer. Lat. 30°01', long. 95°25'. Drilled unused water-table well in sand, diameter 6 inches, depth 45 feet. Highest water level 5.40 below lsd, Jan. 28, 1944; lowest 26.27 below lsd, Nov. 9, 1931. Records available: 1931, 1938-51. Mar. 1, 19.89; June 20, 21.01; Sept. 21, 21.95; Dec. 17, 22.50.

108. R. L. Glazner. Lat. 30°01', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 358 feet. Highest water level 14.77 below lsd, Apr. 7, 1944; lowest 47.78 below lsd, Dec. 17, 1951. Records available: 1943-51. Mar. 1, 43.50; June 25, 45.30; Sept. 21, 47.30; Dec. 17, 47.78.

134. Ira Southard well 1. Lat. 29°54', long. 95°49'. Drilled unused artesian well in sand, diameter 24 to 10 inches, depth 274 feet, casing slotted opposite sand. Highest water level 31.00 below lsd, Feb. 1931; lowest 65.55 below lsd, Nov. 15, 1951. Records available: 1931, 1939-51. Mar. 30, 61.23; Nov. 15, 65.55.

136. J. Freeman well 1. Lat. 29°52', long. 95°48'. Drilled irrigation artesian well in sand, diameter 24 to 10 inches, depth 138 feet. Highest water level 35.71 below lsd, Apr. 28, 1931; lowest 68.80 below lsd, Nov. 15, 1951. Records available: 1931, 1933, 1939-51. Mar. 29, 63.30; Nov. 15, 68.80.

139. Oscar Kemp well 1. Lat. 29°53', long. 95°47'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 134 feet. Highest water level 34.79 below lsd, Mar. 17, 1933; lowest 68.99 below lsd, Nov. 15, 1951. Records available: 1931-33, 1939-51. Mar. 29, 61.51; Nov. 15, 68.99.

140. Oscar Kemp well 2. Lat. 29°53', long. 95°47'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 359 feet, screens opposite sands below 73. Highest water level 40.84 below lsd, Mar. 8, 1939; lowest 69.78 below lsd, Nov. 15, 1951. Records available: 1939-51. Mar. 29, 69.90; Nov. 15, 69.78.

157. H. J. Longenbaugh well 2. Lat. 29°55', long. 95°47'. Drilled unused artesian well in sand, diameter 20 to 8 inches, depth 532. Highest water level 30.00 below lsd, Mar. 18, 1942; lowest 50.88 below lsd, Nov. 15, 1951. Records available: 1940-44, 1946, 1948-51. Mar. 30, 44.72; Nov. 15, 50.88.

167. E. C. Smith. Lat. 29°58', long. 95°43'. Drilled stock artesian well in sand, diameter 6 inches, depth 158 feet, screen at 134-158. Highest water level 5.87 below lsd, Apr. 3, 1931; lowest 35.2 below lsd, Sept. 17, 1951. Records available: 1931-51. Feb. 26, 22.78; June 15, 29.93; Sept. 17, 35.2; Dec. 18, 27.3.

169a. Ben Pugh. Lat. 29°59', long. 95°45'. Drilled irrigation artesian well in sand, diameter 22 to 14 inches, depth 499 feet, casing slotted opposite sands below 75. Highest water level 8.0 below lsd, May 8, 1938; lowest 23.60 below lsd, Nov. 14, 1951. Records available: 1938-51. Apr. 2, 17.07; Nov. 14, 23.60.

171. E. H. Juergen. In Cypress, lat. 29°58', long. 95°41'. Drilled unused artesian well in sand, diameter 3 inches, depth 72 feet. Highest water level 7.77 below lsd, June 6, 1947; lowest 18.66 below lsd, Dec. 18, 1951. Records available: 1931-51. Feb. 26, 15.09; June 15, 15.71; Sept. 17, 17.42; Dec. 18, 18.66.

178. K. P. Black. Lat. 29°55', long. 95°38'. Drilled unused artesian well in sand, diameter 3 inches, depth 40 feet. Highest water level 0.70 below lsd, Jan. 27, 1944; lowest 19.64 below lsd, Aug. 21, 1940. Records available: 1931-33, 1935-36, 1939-51. Feb. 26, 13.01; June 15, 10.84; Sept. 17, 15.61; Dec. 19, 18.02.

182. Joel Schmidt. Lat. 29°54', long. 95°41'. Drilled irrigation artesian well in sand, diameter 24 inches, depth 239 feet. Highest water level 26.02 below lsd, Mar. 24, 1944; lowest 47.76 below lsd, Nov. 15, 1951. Records available: 1939-51. Mar. 30, 38.49; Nov. 15, 47.76.

186. T. B. Tucker well 3. Lat. 29°53', long. 95°44'. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 628 feet, screens opposite sands below 100. Highest water level 21.13 below lsd, Mar. 24, 1931; lowest 50.87 below lsd, Nov. 15, 1951. Records available: 1931, 1939-51. Mar. 30, 41.01; Nov. 15, 50.87.

196. Humble Pipe Line Co. Lat. 29°54', long. 95°37'. Drilled unused artesian well in sand, diameter 6 inches, depth 100 feet. Highest water level 32.62 below lsd, Feb. 23, 1950; lowest 58.94 below lsd, Sept. 17, 1951. Records available: 1948-51. Feb. 26, 40.67; June 15, 55.00; Sept. 17, 58.94; Dec. 19, 49.20.

211. Amerada-Stanolind. Lat. 29°54', long. 95°35'. Drilled stock artesian well in sand, diameter 6 inches, depth 278 feet, screen at 261-278. Highest water level 38.91 below lsd, Mar. 13, 1947; lowest 76.20 below lsd, Sept. 17, 1951. Records available: 1946-51. Feb. 27, 58.36; June 14, 69.63; Sept. 17, 76.20; Dec. 19, 66.09.

225. Trinity & Brazos Valley Railway Co. Lat. 29°55', long. 95°31'. Drilled unused artesian well in sand, diameter 10 to 8 inches, depth 616 feet, screen at 576-616. Highest water level 0.0 below lsd, Oct. 28, 1944; lowest 96.83 below lsd, Sept. 20, 1951. Records available: 1938-51. Mar. 1, 76.63; June 19, 84.71; Sept. 20, 96.83; Dec. 11, 87.95.

226. W. A. Fraser. Lat. 29°55', long. 95°34'. Drilled irrigation artesian well in sand, diameter 20 to 10 inches, depth 740 feet, casing slotted opposite sands below 104 feet. Highest water level 18.16 below lsd, Apr. 21, 1944; lowest 79.44 below lsd, Sept. 17, 1951. Records available: 1941-51. Feb. 26, 57.78; Sept. 17, 79.44; Dec. 18, 67.60.

229. F. S. Clancy. Lat. 29°56', long. 95°33'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 747 feet. Highest water level 41.22 below lsd, Jan. 17, 1946; lowest 62.32 below lsd, Sept. 28, 1949. Records available: 1946-51. Mar. 5, 58.35.

231. Jack Frazier Drilling Co. Lat. 29°51', long. 95°29'. Drilled unused artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 49.94 below lsd, July 9, 1946; lowest 82.83 below lsd, Dec. 11, 1951. Records available: 1946-51. Mar. 1, 74.17; June 19, 75.59; Sept. 20, 81.71; Dec. 11, 82.83.

249. United Gas Corp. Lat. 29°54', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 350 feet. Highest water level 37.70 below lsd, June 21, 1950; lowest 61.25 below lsd, June 4, 1947. Records available: 1946-51. June 25, 52.53; Sept. 19, 54.06; Dec. 11, 53.95.

253. Homer J. Moore. Lat. 29°56', long. 95°25'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 1,117 feet, screens opposite sands between 251 and 1,048. Highest water level 15.33 below lsd, Nov. 2, 1944; lowest 89.15 below lsd, Sept. 19, 1951. Records available: 1944-51. Feb. 28, 77.05; Sept. 19, 89.15; Dec. 11, 87.21.

255. J. M. Blake. Lat. 29°57', long. 95°25'. Dug farm water-table well in sand, diameter 5 feet, depth 41 feet, cribbed with brick. Highest water level 5.32 below lsd, Jan. 29, 1947; lowest 25.6 below lsd, Dec. 8, 1950. Records available: 1931, 1937-51. Feb. 28, 22.02; June 25, 23.16; Sept. 19, 24.22; Dec. 12, 21.76.

258. F. M. Corzeliuss. Lat. 29°57', long. 95°24'. Drilled industrial artesian well in sand, diameter 4 inches, depth 325 feet. Highest water level 41.92 below lsd, Dec. 18, 1946; lowest 69.74 below lsd, Sept. 19, 1951. Records available: 1946-51. June 20, 56.76; Sept. 19, 69.74; Dec. 12, 64.06.

264. H. Weary. Lat. 29°58', long. 95°23'. Drilled unused artesian well in sand, diameter 4 inches, depth 1,610 feet, screen at 900 feet. Highest water level 3.0 below lsd, May 29, 1931; lowest 69.79 below lsd, Dec. 12, 1951. Records available: 1931-33, 1935-51. Feb. 28, 63.53; June 20, 66.90; Sept. 19, 69.74; Dec. 12, 69.79.

268. City of Houston test well 10-A. In Westfield, lat. 30°01', long. 95°24'. Drilled observation artesian well in sand, diameter 3 inches, depth 793 feet, screen at 757-772. Highest water level 34.9 above lsd, Sept. 20, 1944; lowest 64.32 below lsd, Nov. 26, 1951. Records available: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	57.07	Apr. 24	57.64	July 23	60.50	Oct. 24	63.87
Feb. 23	57.21	May 24	58.10	Aug. 27	62.06	Nov. 26	64.32
Mar. 23	57.47	June 22	59.14	Sept. 24	63.10	Dec. 20	64.17

269. City of Houston test well 7. In Westfield, lat. 30°01', long. 95°24'. Drilled observation artesian well in sand, diameter 3 inches, depth 1,052 feet, screen at 1,037-1,052. Highest water level 31.0 above lsd, Sept. 24, 1943; lowest 35.78 below lsd, Dec. 20, 1951. Records available: 1939, 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	22.97	Apr. 24	26.42	July 23	29.22	Oct. 24	33.33
Feb. 23	24.25	May 24	27.40	Aug. 27	30.76	Nov. 26	34.59
Mar. 23	25.35	June 22	28.38	Sept. 24	30.90	Dec. 20	35.78

280. Pan-American Pipe Line Co. Lat. 29°52', long. 95°10'. Drilled industrial artesian well in sand, diameter 6 inches, depth 390 feet, screen at 361-382. Highest water level 52.90 below lsd, Sept. 22, 1943; lowest 95.55 below lsd, June 11, 1951. Records available: 1940, 1943-51. Feb. 19, 74.27; June 11, 95.55; Sept. 11, 77.40; Dec. 7, 78.12.

286. Jack Frazier Drilling Co. Lat. 29°52', long. 95°15'. Drilled unused artesian well in sand, diameter 4 inches, depth 250 feet, screen at 230-250. Highest water level 51.0 below lsd, July 1940; lowest 81.43 below lsd, Sept. 19, 1951. Records available: 1940, 1943-51. Feb. 28, 78.18; June 18, 79.80; Sept. 19, 81.43.

291. A. T. McDannald. Lat. 29°55', long. 95°15'. Drilled farm artesian well in sand, diameter 4 inches, depth 1,308 feet, screen at 1,268-1,308. Highest water level 15 below lsd, 1931; lowest 59.27 below lsd, Sept. 19, 1951. Records available: 1931, 1943-51. Feb. 28, 56.36; June 18, 57.70; Sept. 19, 59.27; Dec. 12, 60.18.

302. A. T. McDannald. Lat. 29°58', long. 95°13'. Drilled unused artesian well in sand, diameter 7 inches, depth 1,000 feet. Highest water level 33.70 below lsd, Mar. 14, 1939; lowest 90.74 below lsd, Dec. 12, 1951. Records available: 1939-41, 1943-51. Feb. 28, 82.29; June 18, 84.69; Sept. 19, 88.34; Dec. 12, 90.74.

305. A. T. McDannald. Lat. 29°55', long. 95°15'. Drilled unused water-table well in sand, diameter 8 inches, depth 47 feet. Highest water level 4.54 below lsd, Jan. 29, 1947; lowest 13.10 below lsd, Dec. 12, 1951. Records available: 1943-51. Feb. 28, 11.13; June 18, 11.13; Sept. 19, 12.90; Dec. 12, 13.10.

306. Bender Estate. Lat. 29°59', long. 95°12'. Drilled unused artesian well in sand, diameter 5 inches, depth 392 feet, screen at 338-358. Highest water level 47.53 below lsd, July 6, 1945; lowest 79.19 below lsd, Dec. 12, 1951. Records available: 1945-51. Feb. 28, 73.44; June 18, 74.40; Sept. 19, 77.21; Dec. 12, 79.19.

326. Gulf Pipe Line Co. Lat. 29°52', long. 95°03'. Drilled unused artesian well in sand, diameter 6 inches, depth 533 feet, screen at 463-523. Highest water level 21.94 below lsd, Oct. 29, 1931; lowest 86.50 below lsd, Dec. 7, 1951. Records available: 1931, 1947-51. Feb. 19, 81.23; June 7, 81.75; Sept. 10, 85.65; Dec. 7, 86.50.

334a. E. M. Dunks. Lat. 30°01', long. 95°05'. Drilled stock artesian well in sand, diameter 4 inches, depth 180 feet. Highest water level 5.57 below lsd, Feb. 3, 1948; lowest 18.20 below lsd, Sept. 11, 1951. Records available: 1947-51. Feb. 19, 16.43; June 11, 16.21; Sept. 11, 18.20; Dec. 7, 17.52.

336. Sinclair Refining Co. Lat. 30°03', long. 95°05'. Drilled industrial artesian well in sand, diameter 10 inches, depth 621 feet. Highest water level 15.44 below lsd, Feb. 3, 1948; lowest 49.03 below lsd, Sept. 11, 1951. Records available: 1947-51. Feb. 19, 26.70; June 11, 37.37; Sept. 11, 49.03; Dec. 7, 35.66.

352. A. E. Thompson. Lat. 29°52', long. 95°49'. Drilled irrigation artesian well in sand, diameter 24 to 8 inches, depth 470 feet, screens at 68-180 and 392-450. Highest water level 48.07 below lsd, Mar. 10, 1939; lowest 68.1 below lsd, Nov. 13, 1951. Records available: 1939-51. Mar. 30, 65.21; Nov. 13, 68.1.

362. E. G. Stockdick well 2. Lat. 29°49', long. 95°46'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 500 feet. Highest water level 28 below lsd, 1905; lowest 68.51 below lsd, Nov. 15, 1951. Records available: 1905, 1928, 1931, 1933, 1938-51. Mar. 29, 60.12; Nov. 15, 68.51.

367. W. C. Hickman. Lat. 29°48', long. 95°46'. Drilled irrigation artesian well in sand, diameter 16 to 10 inches, depth 535 feet, screens between 110 and 407. Highest water level 34.50 below lsd, May 1930; lowest 75.04 below lsd, Nov. 16, 1951. Records available: 1930, 1938-51. Mar. 29, 61.05; Nov. 16, 75.04.

371. L. E. Morrison well 1. Lat. 29°45', long. 95°46'. Drilled irrigation artesian well in sand, diameter 24 to 8 inches, depth 374 feet. Highest water level 39.96 below lsd, Jan. 6, 1939; lowest 74.60 below lsd, Nov. 16, 1951. Records available: 1939-51. Mar. 21, 59.84; Nov. 16, 74.60.

381. W. H. Hegar. Lat. 29°52', long. 95°45'. Drilled unused artesian well in sand, diameter 8 inches, depth 95 feet. Highest water level 17.50 below lsd, June 12, 1931; lowest 37.60 below lsd, Nov. 15, 1951. Records available: 1931-33, 1939-51. Mar. 29, 35.89; Nov. 15, 37.60.

384. A. J. Jordens. Lat. 29°49', long. 95°44'. Drilled unused artesian well in sand, diameter 18 to 6 inches, depth 505 feet. Highest water level 33.72 below lsd, Mar. 17, 1933; lowest 71.11 below lsd, Nov. 16, 1951. Records available: 1932-33, 1939-51. Mar. 29, 58.63; Nov. 16, 71.11.

385. A. J. Jordens. Lat. 29°49', long. 95°44'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 359 feet, screens opposite sands below 60. Highest water level 35.70 below lsd, Mar. 17, 1933; lowest 66.77 below lsd, Nov. 16, 1951. Records available: 1933, 1939-51. Mar. 30, 56.96; Nov. 16, 66.77.

399. Gertie Rice Farm. Lat. 29°51', long. 95°41'. Drilled irrigation artesian well in sand, diameter 20 to 11 inches, depth 280 feet, screens opposite sands below 79. Highest water level 28.28 below lsd, Mar. 8, 1939; lowest 50.43 below lsd, Nov. 15, 1951. Records available: 1939-51. Mar. 30, 41.97; Nov. 15, 50.43.

420. E. A. Showers. Lat. 29°44', long. 95°32'. Drilled unused artesian well in sand, diameter 4 inches, depth 231 feet, screen at 198-231. Highest water level 46.56 below lsd, Feb. 4, 1947; lowest 91.70 below lsd, Sept. 13, 1951. Records available: 1946-51. Feb. 27, 68.27; June 14, 72.08; Sept. 13, 91.70; Dec. 17, 78.14.

422. Cities Service Oil Co. Lat. 29°44', long. 95°33'. Drilled unused artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 38.57 below lsd, Dec. 13, 1946; lowest 91.13 below lsd, Sept. 14, 1951. Records available: 1946-51. June 14, 77.66; Sept. 14, 91.13.

424. Buffalo Oaks. Lat. 29°44', long. 95°35'. Drilled public-supply artesian well in sand, diameter 6 inches, depth 644 feet, screen at 526-565 and 573-644. Highest water level 53.22 below lsd, Mar. 14, 1947; lowest 102.35 below lsd, Sept. 14, 1951. Records available: 1946-51. Feb. 27, 78.05; Sept. 14, 102.35.

456. Frank Willberg. Lat. 29°50', long. 95°31'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 230 feet, screen at 210-230. Highest water level 29.75 below lsd, Apr. 2, 1931; lowest 88.35 below lsd, Dec. 19, 1951. Records available: 1931, 1939-51. Feb. 27, 77.20; June 14, 78.90; Sept. 13, 88.25; Dec. 19, 88.35.

473. H. W. Rasmussen. Lat. 29°45', long. 95°30'. Drilled farm artesian well in sand, diameter 6 inches, depth 416 feet, screen at 386-416. Highest water level 30.52 below lsd, Mar. 27, 1939; lowest 107.2 below lsd, Sept. 13, 1951. Records available: 1938-51. Feb. 27, 88.14; June 13, 94.00; Sept. 13, 107.2; Dec. 17, 98.20.

480. John Pillot. Lat. 29°44', long. 95°40'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 512 feet, casing slotted opposite sands below 107. Highest water level 26.53 below lsd, Mar. 17, 1942; lowest 65.93 below lsd, Nov. 13, 1951. Records available: 1941-51. Mar. 21, 50.97; Nov. 13, 65.93.

489. City of Houston test well 4a. Lat. 29°42', long. 95°37'. Drilled observation artesian well in sand, diameter 3½ inches, depth 470 feet, screen at 449-464. Highest water level 25.88 below lsd, May 29, 1939; lowest 91.15 below lsd, Sept. 14, 1951. Records available: 1939-51. Feb. 27, 61.78; Sept. 14, 91.15; Dec. 17, 74.00.

490. City of Houston test well 5. Lat. 29°42', long. 95°35'. Drilled observation artesian well in sand, diameter 3½ inches, depth 1,188 feet, screen at 1,167-1,182. Highest water level 36.00 below lsd, May 5, 1939; lowest 125.81 below lsd, Oct. 24, 1951. Records available: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	111.18	Apr. 24	108.40	July 23	117.65	Oct. 24	125.81
Feb. 23	110.06	May 24	110.05	Aug. 27	122.91	Nov. 26	124.51
Mar. 23	109.35	June 22	112.86	Sept. 24	125.32	Dec. 20	123.08

504. Dr. E. W. K. Andrau. Lat. 29°43', long. 95°35'. Drilled irrigation artesian well in sand, diameter 24 inches, depth 608 feet. Highest water level 47.06 below lsd, Mar. 14, 1947; lowest 99.64 below lsd, Sept. 14, 1951. Records available: 1946-51. Feb. 21, 68.28; Sept. 14, 99.64; Dec. 13, 81.45.

512. Joe Kowis. Lat. 29°49', long. 95°29'. Drilled unused artesian well in sand, diameter 6 inches, depth 50 feet. Highest water level 0.2 below lsd, Feb. 23, 1950; lowest 18.28 below lsd, Dec. 19, 1951. Records available: 1931-51. Feb. 27, 8.25; June 14, 8.19; Sept. 13, 16.64; Dec. 19, 18.28.

519. Felix Meyers. Lat. 29°48', long. 95°27'. Drilled domestic artesian well in sand, diameter 4 inches, depth 52 feet. Highest water level 1.69 below lsd, Feb. 23, 1950; lowest 18.55 below lsd, Sept. 18, 1951. Records available: 1937-51. Mar. 1, 10.66; June 14, 11.87; Sept. 18, 18.55.

538. The Bayou Club. Lat. 29°46', long. 95°27'. Drilled farm artesian well in sand, diameter 8 to 6 inches, depth 481 feet, screen at 278-298, 344-365, and 455-475. Highest water level 53.0 below lsd, July 30, 1940; lowest 114.95 below lsd, Dec. 5, 1950. Records available: 1940, 1943-51. Feb. 16, 112.10; Sept. 12, 93.60; Dec. 10, 91.23.

585. Houston Textile Mills, Inc. Lat. 29°49', long. 95°22'. Drilled industrial artesian well in sand, diameter 12 inches, depth 950 feet. Highest water level 52.99 below lsd, Mar. 21, 1931; lowest 185.21 below lsd, Sept. 20, 1951. Records available: 1931, 1938-41, 1949-51. Mar. 1, 170.56; June 19, 177.29; Sept. 20, 185.21; Dec. 19, 177.04.

591. City of Houston, Heights well 3. Lat. 29°48', long. 95°24'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 1,034 feet, screens opposite sands below 514. Highest water level 74.03 below lsd, Mar. 1, 1938; lowest 203.22 below lsd, Sept. 11, 1951. Records available: 1938-51. Feb. 16, 197.37; June 12, 201.30; Sept. 11, 203.22; Dec. 10, 190.45.

602. River Oaks Country Club. Lat. 29°45', long. 95°25'. Drilled unused artesian well in sand, diameter 10 to 8 inches, depth 887 feet, screen at 675-715 and 775-864. Highest water level 39.00 below lsd, Apr. 15, 1933; lowest 153.03 below lsd, Sept. 12, 1951. Records available: 1931-51. Feb. 27, 135.70; June 14, 140.22; Sept. 12, 153.03; Dec. 17, 144.40.

604. Horlock Ice Co. Lat. 29°46', long. 95°24'. Drilled industrial artesian well in sand, diameter 8 inches, depth 340 feet. Highest water level 53.78 below lsd, Mar. 1, 1935; lowest 110.40 below lsd, Sept. 11, 1951. Records available: 1931-51. Feb. 16, 101.36; June 12, 105.77; Sept. 11, 110.40; Dec. 10, 109.16.

619. City of Houston, Lincoln Pool well. Lat. 29°45', long. 95°22'. Drilled unused artesian well in sand, diameter 4 inches, depth 900 feet. Highest water level 46.86 below lsd, Apr. 15, 1933; lowest 169.38 below lsd, Oct. 24, 1951. Records available: 1931-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	155.89	Apr. 24	155.89	July 23	164.35	Oct. 24	169.38
Feb. 23	155.42	May 24	159.10	Aug. 27	169.17	Nov. 26	164.75
Mar. 23	154.54	June 22	160.82	Sept. 24	167.85	Dec. 20	162.88

651a. L. P. Mallett. Lat. 29°53', long. 95°23'. Drilled unused artesian well in sand, diameter 4 inches, depth 367 feet, screen at 343-367. Highest water level 51.89 below lsd, Mar. 4, 1939; lowest 121.43 below lsd, Sept. 19, 1951. Records available: 1938-51. Feb. 28, 111.28; June 18, 113.59; Sept. 19, 121.43; Dec. 12, 121.21.

651b. L. P. Mallett. Lat. 29°53', long. 95°23'. Drilled farm water-table well in sand, diameter 2 inches, depth 50 feet. Highest water level 5.62 below lsd, Nov. 4, 1941; lowest 22.54 below lsd, Sept. 19, 1951. Records available: 1938-51. June 18, 18.33; Sept. 19, 22.54; Dec. 12, 21.79.

651d. Joe Morales. Lat. 29°52', long. 95°21'. Drilled unused artesian well in sand, diameter 6 inches, depth 468 feet. Highest water level 55.14 below lsd, Feb. 17, 1939; lowest 120.14 below lsd, June 18, 1951. Records available: 1938-51. Feb. 28, 118.89; June 18, 120.14. Measurement discontinued.

656. Texas Creosoting Co. Lat. 29°49', long. 95°21'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 666 feet, screen at 662-666. Highest water level 54.45 below lsd, May 12, 1933; lowest 174.10 below lsd, June 11, 1951. Records available: 1931-51. Mar. 6, 170.39; June 11, 174.10.

663. South Texas Cotton Oil Co. well 1. Lat. 29°47', long. 95°20'. Drilled unused artesian well in sand, diameter 24 to 10 inches, depth 740 feet, screens between 371-736. Highest water level 52.10 below lsd, Mar. 9, 1933; lowest 96.65 below lsd, Sept. 17, 1948. Records available: 1931-34, 1938-51. Feb. 19, 91.35; June 11, 94.43; Sept. 11, 96.20; Dec. 7, 96.29.

664. South Texas Cotton Oil Co. well 3. Lat. 29°47', long. 95°20'. Drilled industrial artesian well in sand, diameter 16 inches, depth 780 feet. Highest water level 145.28 below lsd, Sept. 3, 1946; lowest 184.33 below lsd, Dec. 7, 1951. Records available: 1946-51. June 11, 173.51; Dec. 7, 184.33.

666a. Houston Foundry & Machine Co. 2005 White St., Houston, lat. 29°46', long. 95°21'. Drilled unused artesian well in sand, diameter 6 inches, depth 900 feet. Highest water level 71.65 below lsd, Feb. 20, 1939; lowest 130.12 below lsd, Sept. 14, 1949. Records available: 1938-51. Feb. 16, 125.66; June 12, 128.17; Dec. 10, 133.99.

711. San Jacinto Hotel. 820 Main St. Lat. 29°45', long. 95°21'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 884 feet, screen at 824-884. Highest water level 118.30 below lsd, Jan. 23, 1942; lowest 214.38 below lsd, Dec. 4, 1951. Records available: 1940-51. Feb. 9, 207.40; June 5, 209.83; Dec. 4, 214.38.

748. Gulf Pipe Line Co. Lat. 29°47', long. 95°47'. Drilled unused artesian well in sand, diameter 6 inches, depth 721 feet, screen at 539-579 and 697-714. Highest water level 4.0 above lsd, Nov. 1911; lowest 182.34 below lsd, Dec. 7, 1951. Records available: 1911, 1931, 1939-51. June 7, 172.17; Sept. 11, 182.09; Dec. 7, 182.34.

751. The Texas Pipe Line Co. Lat. 29°47', long. 95°47'. Drilled unused artesian well in sand, diameter 6 inches, depth 540 feet. Highest water level 48.08 below lsd, May 12, 1933; lowest 189.7 below lsd, Dec. 6, 1951. Records available: 1931-51. Feb. 20, 175.06; June 7, 178.2; Sept. 10, 189.10; Dec. 6, 189.7.

757. Layne-Bowler Co. Lat. 29°46', long. 95°17'. Drilled industrial artesian well in sand, diameter 10 inches, depth 676 feet, screen at 577-635 and 649-670. Highest water level 53.72 below lsd, Apr. 15, 1933; lowest 201.82 below lsd, Sept. 10, 1951. Records available: 1929, 1931-51. Feb. 13, 188.56; June 7, 191.26; Sept. 10, 201.82; Dec. 7, 202.64.

759. Port City Compress & Warehouse Co. Lat. 29°45', long. 95°17'. Drilled industrial artesian well in sand, diameter 4 inches, depth 569 feet, screen at 544-566. Highest water level 55.95 below lsd, May 6, 1932; lowest 216.18 below lsd, Dec. 5, 1951. Records available: 1931-51. Mar. 16, 198.33; June 7, 202.22; Dec. 5, 216.18.

788. Shepherd Laundries. 2400 Louisiana St., Houston, lat. 29°44', long. 95°22'. Drilled industrial artesian well in sand, diameter 8 to 6 inches, depth 1,416 feet, screen at 1,336-1,377 and 1,395-1,416. Highest water level 97.72 below lsd, Feb. 5, 1939; lowest 185.86 below lsd, Dec. 10, 1951. Records available: 1938-41, 1948-51. Feb. 20, 182.63; June 12, 182.40; Sept. 12, 184.85; Dec. 10, 185.86.

797. Rice Institute. Lat. 29°43', long. 95°29'. Drilled unused artesian well in sand, diameter 6 inches, depth 910 feet. Highest water level 66.89 below lsd, Jan. 24, 1949; lowest 117.50 below lsd, Feb. 21, 1949. Records available: 1931, 1949-51. Feb. 16, 109.98.

798. Rice Institute. Lat. 29°43', long. 95°29'. Drilled unused artesian well in sand, diameter 6 inches, depth 900 feet. Highest water level 61.02 below lsd, Mar. 18, 1939; lowest 125.97 below lsd, Dec. 10, 1951. Records available: 1931, 1938-42, 1949-51. Feb. 16, 117.38; June 12, 121.25; Dec. 10, 125.97.

798a. H. C. Weiss. South Main and Sunset Sts., Houston, lat. 29°43', long. 95°23'. Drilled domestic artesian well in sand, diameter 6 inches, depth 404 feet, screen at 360-402. Highest water level 64 below lsd, Apr. 24, 1936; lowest 119 below lsd, Dec. 5, 1950. Records available: 1936, 1938-51. Feb. 16, 116.1.

807a. City of Bellaire well 1. Rice and Jessamine Sts., Bellaire, lat. 29°42', long. 95°28'. Drilled public-supply artesian well in sand, diameter 10 to 5 inches, depth 827 feet, screen at 651-708. Highest water level 39.00 below lsd, Feb. 1937; lowest 130.34 below lsd, Dec. 10, 1951. Records available: 1937-42, 1946-51. June 12, 129.29; Dec. 10, 130.34.

812. Harris County School for Girls. Lat. 29°42', long. 95°28'. Drilled unused artesian well in sand, diameter 6 inches, depth 400 feet. Highest water level 53.13 below lsd, June 24, 1943; lowest 121.00 below lsd, Sept. 12, 1951. Records available: 1943-51. Feb. 16, 104.70; June 12, 108.98; Sept. 12, 121.00; Dec. 10, 113.81.

853. Houston Ice & Cold Storage Co. 2715 McKinney St., Houston, lat. 29°44', long. 95°20'. Drilled unused artesian well in sand, diameter 6 inches, depth 650 feet. Highest water level 62.40 below lsd, Jan. 28, 1933; lowest 149.21 below lsd, Sept. 5, 1951. Records available: 1931-51. Feb. 9, 144.83; June 5, 145.06; Sept. 5, 149.21; Dec. 3, 145.73.

876. Houston Country Club. Lat. 29°43', long. 95°18'. Drilled unused artesian well in sand, diameter 24 inches, depth 697 feet. Highest water level 40.96 below lsd, Mar. 9, 1933; lowest 186.70 below lsd, Dec. 3, 1951. Records available: 1931-34, 1937-51. Feb. 11, 172.61; June 5, 175.10; Sept. 5, 184.97; Dec. 3, 186.70.

878. Gulf Atlantic Warehouse Co. Lat. 29°44', long. 95°17'. Drilled industrial artesian well in sand, diameter 15 to 8 inches, depth 905 feet, screen below 713. Highest water level 41.55 below lsd, Apr. 7, 1932; lowest 205.29 below lsd, Dec. 4, 1951. Records available: 1931-51. Feb. 12, 184.86; June 5, 189.23; Sept. 5, 202.20; Dec. 4, 205.29.

879. City of Houston, Magnolia Park well 2. 7300 Canal St., Houston, lat. 29°44', long. 95°17'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 1,033 feet, screens opposite sands below 475. Highest water level 40.0 below lsd, June 1925; lowest 211.5 below lsd, Nov. 8, 1951. Records available: 1925, 1939, 1941-42, 1945-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	192.1	192.6	193.1	192.4	193.7	197.2	200.7	204.9	210.0	209.8	211.2	210.3
2	192.1	192.9	193.1	192.4	194.0	197.3	200.7	205.0	210.1	209.7	211.2	210.1
3	192.2	193.1	193.2	192.5	194.3	197.2	200.8	205.2	210.0	209.7	211.3	210.0
4	192.3	193.2	193.1	192.4	194.4	197.2	200.9	205.5	209.9	209.7	211.2	210.4
5	192.3	193.2	193.0	192.4	194.6	197.3	201.0	205.5	210.0	209.8	211.1	210.1
6	192.3	193.3	193.2	192.3	194.6	197.6	201.3	205.6	210.1	209.8	211.2	210.2
7	192.3	193.4	193.3	192.2	194.7	197.7	201.5	205.7	210.4	209.7	211.4	210.2
8	192.3	193.3	193.4	192.2	194.7	197.8	201.5	206.1	210.4	209.5	211.5	210.2
9	192.5	193.3	193.5	192.0	194.8	197.9	201.5	206.3	210.0	209.4	211.4	210.2
10	192.5	193.2	193.6	192.0	195.0	197.9	201.6	206.5	209.9	209.5	211.3	209.9
11	192.6	193.0	193.5	192.1	195.1	197.9	202.0	206.8	209.9	209.5	211.2	209.8
12	192.6	192.9	193.5	192.3	195.1	198.0	202.2	206.8	209.9	209.4	211.0	209.7
13	192.5	193.0	193.5	192.3	195.1	198.3	202.4	206.9	210.0	209.4	211.0	209.8
14	192.5	193.0	193.3	192.3	195.1	198.7	202.8	207.2	210.0	209.4	211.1	209.7
15	192.5	193.1	193.3	192.2	195.2	199.0	202.8	207.5	210.1	209.4	211.1	209.8



## 879--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	192.5	193.1	193.2	192.2	195.3	199.1	202.8	207.8	210.0	209.5	211.0	209.6
17	192.5	193.0	193.1	192.3	195.4	199.0	202.8	208.0	209.9	209.9	210.8	209.4
18	192.6	192.8	193.1	192.4	195.3	199.1	203.0	208.0	209.9	210.2	210.5	209.4
19	192.6	192.7	193.0	192.4	195.5	199.4	203.3	207.6	210.0	210.3	210.4	209.5
20	192.7	192.9	193.0	192.6	195.7	199.5	203.4	207.4	210.0	210.6	210.7	209.6
21	192.6	193.0	193.0	192.6	195.8	199.7	203.8	207.9	210.1	210.6	210.7	209.7
22	192.5	193.1	193.0	192.7	195.9	200.1	203.8	208.4	210.0	210.6	210.7	209.8
23	192.4	193.1	193.1	192.7	196.3	200.1	203.7	208.6	209.9	210.7	210.6	209.7
24	192.5	193.1	193.0	192.9	196.6	200.3	203.7	208.9	209.8	211.1	210.4	209.6
25	192.6	192.9	192.8	193.0	196.6	200.3	203.9	209.1	209.9	211.0	210.4	209.4
26	192.5	192.9	192.5	193.1	196.6	200.3	204.0	209.1	209.8	211.0	210.4	209.4
27	192.5	193.0	192.4	193.3	196.6	200.4	204.1	209.1	209.8	211.0	210.4	209.5
28	192.4	193.0	192.5	193.4	196.7	200.6	204.2	209.0	210.0	211.0	210.4	209.4
29	192.4		192.6	193.4	196.9	200.7	204.2	209.2	210.1	211.0	210.5	209.2
30	192.4		192.7	193.4	197.1	200.7	204.2	209.5	210.0	211.0	210.4	209.1
31	192.4		192.6		197.1		204.6	209.9		211.0		209.0

881. Terminal Compress & Warehouse Co. 82d and Harrisburg Sts., Houston, lat. 29°43', long. 95°16'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 650 feet. Highest water level 43.04 below lsd, Apr. 14, 1933; lowest 217.80 below lsd, Dec. 4, 1951. Records available: 1931-51. Feb. 9, 194.20; June 5, 201.19; Sept. 5, 212.34; Dec. 4, 217.80.

898a. Allen Estate. Park Place and Poplar Sts., Houston, lat. 29°41', long. 95°17'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 900 feet, screen at 834-876. Highest water level 62.74 below lsd, June 21, 1937; lowest 197.82 below lsd, Sept. 5, 1951. Records available: 1937-51. June 5, 185.40; Sept. 5, 197.82.

909. J. W. Madden. Lat. 29°37', long. 95°18'. Drilled farm artesian well in sand, diameter 8 inches, depth 343 feet. Highest water level 18.77 below lsd, Apr. 9, 1931; lowest 66.72 below lsd, Dec. 13, 1951. Records available: 1931, 1934, 1940-51. Feb. 21, 63.94; June 13, 64.56; Dec. 13, 66.72.

933. Champion Paper & Fibre Co. Lat. 29°49', long. 95°13'. Drilled observation artesian well in sand, diameter 3 inches, depth 850 feet, screen at 841-850. Highest water level 48.20 below lsd, July 1938; lowest 174.08 below lsd, Sept. 10, 1951. Records available: 1938-51. Feb. 19, 155.64; June 8, 165.33; Sept. 10, 174.08; Dec. 7, 171.48.

934. Champion Paper & Fibre Co. Lat. 29°49', long. 95°13'. Drilled observation artesian well in sand, diameter 4 inches, depth 135 feet, screen at 126-135. Highest water level 35.19 below lsd, Feb. 14, 1940; lowest 91.36 below lsd, Sept. 10, 1951. Records available: 1938-51. Feb. 19, 87.91; June 8, 89.37; Sept. 10, 91.36.

939. San Jacinto Ordnance Depot construction well 2. Lat. 29°44', long. 95°07'. Drilled unused artesian well in sand, diameter 8 to 5 inches, depth 447 feet, screen at 397-447. Highest water level 95 below lsd, Aug. 10, 1941; lowest 184.50 below lsd, Dec. 6, 1951. Records available: 1941, 1943-51. Feb. 20, 172.78; June 8, 175.00; Sept. 10, 183.60; Dec. 6, 184.50.

940. San Jacinto Ordnance Depot construction well 1. Lat. 29°45', long. 95°06'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 451 feet, screen at 399-449. Highest water level 95 below lsd, Aug. 18, 1941; lowest 176.33 below lsd, Sept. 10, 1951. Records available: 1941, 1943-51. Feb. 20, 165.93; June 8, 168.03; Sept. 10, 176.33; Dec. 6, 175.29.

943. Gulf Pipe Line Co. At Lynchburg, lat. 29°46', long. 95°04'. Drilled industrial artesian well in sand, diameter 6 inches, depth 434 feet, screen at 328-415. Highest water level 82.90 below lsd, Jan. 24, 1944; lowest 133.58 below lsd, Sept. 10, 1951. Records available: 1943-51. Feb. 19, 125.83; June 8, 125.86; Sept. 10, 133.58; Dec. 7, 132.89.

947. Leon J. Vetrano. Lat. 29°50', long. 95°06'. Drilled industrial artesian well in sand, diameter 12 inches, depth 312 feet, screen at 201-209 and 225-291. Highest water level 65 below lsd, Feb. 9, 1940; lowest 103.78 below lsd, Sept. 18, 1950. Records available: 1940, 1943-51. Feb. 19, 98.10; Dec. 7, 102.95.

1100d. Du Pont Chemical Plant. Lat. 29°42', long. 95°02'. Drilled observation artesian well in sand, diameter 4 inches, depth 989 feet, screen at 979-989. Highest water level 123.14 below lsd, Sept. 17, 1947; lowest 168.75 below lsd, Sept. 6, 1951. Records available: 1947-51. Feb. 13, 162.75; June 6, 164.25; Sept. 6, 168.75.

1100e. Du Pont Chemical Plant. Lat. 29°41', long. 95°02'. Drilled observation artesian well in sand, diameter 4 inches, depth 538 feet, screen at 528-538. Highest water level 136.94 below lsd, Dec. 2, 1947; lowest 178.81 below lsd, Sept. 6, 1951. Records available: 1947-51. Feb. 13, 170.63; Sept. 6, 178.81; Dec. 5, 176.83.

1100f. Du Pont Chemical Plant. Lat. 29°41', long. 95°05'. Drilled observation well in sand, diameter 4 inches, depth 505 feet, screen at 495-505. Highest water level 133.87 below lsd, Dec. 2, 1947; lowest 177.16 below lsd, Dec. 5, 1951. Records available: 1947-51. Feb. 13, 165.19; June 6, 168.58; Sept. 6, 176.44; Dec. 5, 177.16.

1104. City of La Porte well 1. At La Porte, lat. 29°39', long. 95°11'. Drilled public-supply artesian well in sand, diameter 10 inches, depth 570 feet, screen at 500-570. Highest water level 40 below lsd, Apr. 1930; lowest 145.98 below lsd, Sept. 6, 1951. Records available: 1930-31, 1937, 1940-51. Feb. 12, 139.84; June 6, 139.59; Sept. 6, 145.98; Dec. 4, 129.30.

1106. West & Siabara. Lat. 29°39', long. 95°05'. Drilled irrigation artesian well in sand, diameter 24 to 10 inches, depth 912 feet, screen at 299-322, 498-587, and 747-910. Highest water level 104.23 below lsd, Apr. 25, 1946; lowest 149.60 below lsd, Dec. 4, 1951. Records available: 1946-51. Feb. 12, 141.60; Dec. 4, 149.60.

1117. Humble Oil & Refining Co. Lat. 29°37', long. 95°07'. Drilled unused artesian well in sand, diameter 4 inches, depth 526 feet, screen at 505-526. Highest water level 67.29 below lsd, June 5, 1940; lowest 140.27 below lsd, Sept. 6, 1951. Records available: 1940, 1944-51. Feb. 12, 129.01; June 6, 133.67; Sept. 6, 140.27; Dec. 4, 135.95.

1152a. City of Galena Park well 1. In Galena Park, lat. 29°44', long. 95°14'. Drilled public-supply artesian well in sand, diameter 13 to 6 inches, depth 680 feet, screen at 593-677. Highest water level 67.00 below lsd, Jan. 13, 1937; lowest 266.01 below lsd, Dec. 6, 1951. Records available: 1937, 1939-51. Feb. 13, 239.92; June 7, 247.72; Sept. 7, 257.39; Dec. 6, 266.01.

1161. Sinclair Refining Co. well 6. Lat. 29°42', long. 95°14'. Drilled unused artesian well in sand, diameter 24 to 8 inches, depth 1,228 feet, screen at 741-781, 925-965, and 1,118-1,228. Highest water level 96.70 below lsd, Mar. 30, 1939; lowest 26.77 below lsd, Nov. 8, 1951. Records available: 1924, 1937-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	235.1	236.7	236.7	236.6	.....	251.4	254.6	260.0	264.1	263.1	266.6	266.5
2	235.2	237.9	236.8	236.6	.....	251.7	254.7	260.3	264.0	263.3	266.6	266.3
3	235.9	238.0	236.9	236.2	.....	251.8	255.0	260.5	263.8	263.4	266.9	266.3
4	235.6	237.6	237.0	236.1	246.6	251.8	255.4	260.9	263.8	263.7	267.2	266.3
5	235.5	237.4	237.1	236.0	247.0	251.8	255.5	261.3	263.9	264.1	267.4	266.1
6	235.3	237.1	237.4	235.9	247.2	251.9	256.1	261.3	263.8	264.4	267.5	265.9
7	235.2	236.8	238.0	236.0	247.0	252.0	256.4	261.5	264.1	264.8	267.5	266.0
8	235.0	236.5	238.6	235.8	246.3	252.1	256.4	261.7	264.1	265.0	267.7	266.0
9	234.9	236.3	238.9	235.7	245.6	252.4	256.6	261.9	264.1	264.9	267.4	266.1
10	235.0	236.3	238.6	235.5	245.2	252.5	256.7	262.0	264.0	264.8	267.4	265.9
11	235.1	236.7	238.4	235.5	244.5	252.7	256.9	262.0	264.2	264.7	267.0	265.9
12	235.1	236.8	238.4	235.6	244.9	252.8	257.4	262.1	264.0	264.7	266.8	265.8
13	235.4	238.6	238.3	235.8	245.0	252.9	257.7	262.2	263.0	264.7	266.6	265.9
14	236.5	238.7	238.0	236.1	245.3	253.0	257.8	262.5	262.0	264.7	266.2	265.7
15	237.5	239.1	238.1	236.0	245.6	253.0	257.7	262.7	262.1	264.7	266.1	265.9
16	238.0	239.3	237.9	236.0	246.0	253.2	257.7	263.2	262.3	264.6	265.8	265.7
17	237.8	239.6	237.6	236.3	246.6	253.2	257.9	263.2	262.4	264.7	264.6	265.5
18	237.4	239.3	237.5	236.7	246.7	253.5	257.9	263.0	262.5	264.8	263.5	265.5
19	237.1	239.1	237.5	238.2	247.2	253.6	257.9	263.0	262.5	264.8	263.2	265.6
20	236.9	238.9	237.2	239.9	247.7	253.8	258.0	263.1	262.4	265.0	263.2	265.8
21	236.9	239.0	237.1	240.3	248.0	253.8	258.4	263.0	262.5	265.3	263.9	266.1
22	236.6	238.5	237.2	241.2	248.5	253.8	258.6	263.0	262.5	265.5	264.8	266.4
23	236.6	238.2	237.2	241.7	249.0	254.1	258.6	263.1	262.4	265.4	265.1	266.3
24	236.4	237.7	237.2	242.2	249.4	254.3	258.9	263.2	262.3	265.3	265.3	265.6
25	236.4	237.4	237.4	242.8	249.7	254.4	259.0	263.3	262.4	265.2	265.5	263.7
26	263.3	237.1	237.0	243.1	249.9	254.6	259.0	263.3	262.5	265.3	265.5	263.3
27	236.1	236.9	236.9	244.0	250.0	254.1	259.2	263.2	262.6	265.6	265.6	262.3
28	235.9	236.7	236.9	245.0	250.1	254.4	.....	263.2	262.8	265.9	265.7	261.5
29	235.8	.....	236.9	245.0	250.5	254.2	.....	263.3	263.0	265.9	265.9	261.0
30	235.8	.....	236.7	245.1	250.9	254.5	.....	263.6	263.1	266.1	266.1	261.5
31	235.8	.....	236.6	.....	251.2	.....	260.1	263.9	.....	266.4	.....	261.7

1170. Houston Lighting & Power Co. Lat. 29°43', long. 95°13'. Drilled industrial artesian well in sand, diameter 16 to 10 inches, depth 836 feet, screen at 612-672 and 752-811. Highest water level 50.6 below lsd, May 20, 1935; lowest 270 below lsd, Nov. 2, Dec. 4, 1951. Records available: 1931-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	236	Apr. 5	239	July 5	259	Oct. 2	266
Feb. 2	242	May 2	248	Aug. 1	263	Nov. 2	270
Mar. 1	238	June 5	253	Sept. 6	266	Dec. 4	270

1181. Phillips Petroleum Co. well 1. Lat. 29°43', long. 95°12'. Drilled unused artesian well in sand, diameter 4 inches, depth 691 feet, screen at 675-715. Highest water level 28.50 below lsd, June 1929; lowest 279.19 below lsd, Dec. 5, 1951. Records available: 1929, 1945-51. Feb. 13, 248.51; June 6, 264.44; Sept. 6, 275.60; Dec. 5, 279.19.

1182. Port Terminal Railroad Co. Lat. 29°43', long. 95°12'. Drilled unused artesian well in sand, diameter 6 inches, depth 700 feet, screen at 675-715. Highest water level 108.00 below lsd, July 1, 1939; lowest 283.24 below lsd, Sept. 5, 1951. Records available: 1939-51. Feb. 13, 254.31; June 6, 272.18; Sept. 5, 283.24.

1187. City of Pasadena well 1. Lat. 29°42', long. 95°12'. Drilled public-supply artesian well in sand, diameter 10 inches, depth 835 feet, 60 feet of screen between 700-834. Highest water level 98.10 below lsd, Apr. 22, 1938; lowest 280.90 below lsd, June 7, 1951. Records available: 1937-41, 1944, 1946-51. Feb. 13, 246.79; June 7, 280.90. Measurement discontinued.

1205. City of South Houston well 1. Lat. 29°39', long. 95°14'. Drilled unused artesian well in sand, diameter 8 inches, depth 668 feet, screen at 600-668. Highest water level 73.06 below lsd, Jan. 18, 1943; lowest 155.56 below lsd, Sept. 5, 1951. Records available: 1940-51. Feb. 9, 149.14; June 5, 151.36; Sept. 5, 155.56; Dec. 3, 159.79.

1229. City of Houston test well 8. Lat. 29°39', long. 95°11'. Drilled observation artesian well in sand, diameter 3½ inches, depth 1,680 feet, screen at 1,661-1,676. Highest water level 79.51 below lsd, Aug. 23, 1939; lowest 217.24 below lsd, Dec. 20, 1951. Records available: 1939-51.

Jan. 23	198.24	Apr. 24	204.32	July 23	208.52	Oct. 24	211.12
Feb. 23	200.89	May 24	204.74	Aug. 27	211.57	Nov. 26	215.61
Mar. 23	202.84	June 22	206.71	Sept. 24	213.29	Dec. 20	217.24

1230. City of Houston test well 9. Lat. 29°39', long. 95°11'. Drilled observation artesian well in sand, diameter 3½ inches, depth 1,419 feet, screen at 1,399-1,414. Highest water level 88.74 below lsd, July 24, 1939; lowest 239.08 below lsd, Aug. 27, 1951. Records available: 1939-51.

Jan. 23	218.49	Apr. 24	219.55	July 23	233.29	Oct. 24	236.18
Feb. 23	219.88	May 24	223.01	Aug. 27	239.08	Nov. 26	234.69
Mar. 23	219.76	June 22	228.17	Sept. 24	237.01	Dec. 20	233.65

1234. City of South Houston well 3. Lat. 29°39', long. 95°14'. Drilled public-supply artesian well in sand, diameter 8 inches, depth 316 feet, screen at 258-316. Highest water level 68.94 below lsd, July 17, 1942; lowest 116.42 below lsd, Nov. 28, 1950. Records available: 1942-47, 1949-51. Feb. 9, 115.55. Measurement discontinued.

1237. City of Houston Meadowbrook well 2. Formerly East End Waterworks. Lat. 29°40', long. 95°15'. Drilled unused artesian well in sand, diameter 10 to 6 inches, depth 1,157 feet, screen opposite sands below 720. Highest water level 105.8 below lsd, July 31, 1941; lowest 207.41 below lsd, Feb. 12, 1951. Records available: 1941, 1949-51. Feb. 12, 207.41.

1267. South Side Place city well 3. Lat. 29°42', long. 95°26'. Drilled public-supply artesian well in sand, diameter 13 to 8 inches, depth 894 feet, screen opposite sands below 484 feet. Highest water level 64.00 below lsd, May 6, 1941; lowest 142.60 below lsd, Sept. 12, 1951. Feb. 16, 130.74; June 12, 133.55; Sept. 12, 142.60; Dec. 10, 136.20. Records available: 1941, 1943-51.

1297. State of Texas. Pioneer Airport. Lat. 29°38', long. 95°17'. Drilled unused artesian well in sand, diameter 8 to 5 inches, depth 650 feet, screen opposite sands below 84.00 below lsd, July 7, 1939; lowest 144.12 below lsd, Sept. 5, 1951. Records available: 1939, 1949-51. Feb. 9, 132.17; June 5, 134.25; Sept. 5, 144.12; Dec. 3, 141.62.

1322. S. Siabara. Lat. 29°34', long. 95°08'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 806 feet, screen at 416-437, 494-597, and 769-806. Highest water level 16.0 below lsd, 1927; lowest 125.27 below lsd, Dec. 4, 1951. Records available: 1927, 1935, 1940, 1948-51. Feb. 12, 118.80; Dec. 4, 125.27.

1360. S. Siabara. Lat. 29°32', long. 95°06'. Drilled farm artesian well in sand, diameter 24 to 9 inches, depth 659 feet, screen at 547-659. Highest water level 29.47 below lsd, Apr. 3, 1931; lowest 113.57 below lsd, Sept. 13, 1950. Records available: 1931-33, 1936-51. Feb. 12, 103.16; June 6, 105.02; Sept. 5, 103.60; Dec. 4, 101.29.

1369. City of South Houston well 2. Lat. 29°39', long. 95°14'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 916 feet, screen at 856-916. Highest water level 93.70 below lsd, June 5, 1941; lowest 225.0 below lsd, Sept. 5, 1951. Records available: 1941. 1944-51. Feb. 9, 207.76; June 5, 210.58; Sept. 5, 225.00; Dec. 3, 221.31.

1370. City of Jacinto City. Market St., lat. 29°46', long. 95°14'. Drilled public-supply artesian well in sand, diameter 16 to 10 inches, depth 800 feet. Highest water level 145.52 below lsd, Mar. 19, 1945; lowest 219.70 below lsd, Sept. 7, 1951. Records available: 1944-46, 1948-51. Feb. 20, 202.45; June 8, 211.57; Sept. 7, 219.70.

1374. Harris County Water Control & Improvement District No. 11, well 1. Lat. 29°46', long. 95°12'. Drilled public-supply artesian well in sand, diameter 13 to 6 inches, depth 750 feet screens below 595. Highest water level 94 below lsd, June 10, 1940; lowest 240.25 below lsd, Dec. 6, 1951. Records available: 1940, 1942-46, 1948-51. Feb. 20, 223.70; June 8, 229.44; Sept. 10, 239.32; Dec. 6, 240.25.

1417. Houston Lighting & Power Co. well 1. Lat. 29°37', long. 95°27'. Drilled industrial artesian well in sand, diameter 16 to 8 inches, depth 1,017 feet, screens below 706. Highest water level 70.24 below lsd, Sept. 14, 1943; lowest 139.91 below lsd, Sept. 18, 1951. Records available: 1943-51. June 13, 128.15; Sept. 18, 139.91; Dec. 13, 134.77.

1418. W. B. Nelson. Lat. 29°35', long. 95°15'. Drilled irrigation artesian well in sand, diameter 18 to 14 inches, depth 1,400 feet, screen opposite sands between 380 and 1,286. Highest water level 103.85 below lsd, Apr. 25, 1944; lowest 190.32 below lsd, Sept. 18, 1951. Records available: 1943-51. Feb. 21, 167.83; Sept. 18, 190.32; Dec. 18, 178.30.

1420. City of Galena Park well 2. Lat. 29°44', long. 95°13'. Drilled public-supply artesian well in sand, diameter 12 to 8 inches, depth 725 feet, screen opposite sands below 583. Highest water level 121, June 24, 1942; lowest 258.63 below lsd, Sept. 7, 1951. Records available: 1942-51. June 7, 250.22; Sept. 7, 258.63.

1421. Tennessee Coal & Iron Railroad Co. well 2. Lat. 29°43', long. 95°15'. Drilled industrial artesian well in sand, diameter 12 inches, depth 600 feet. Highest water level 138.09 below lsd, Sept. 27, 1943; lowest 243.3 below lsd, Sept. 14, 1951. Records available: 1943-44, 1946-51. Feb. 13, 224.29; June 7, 235.59; Sept. 14, 243.3; Dec. 6, 241.3.

1422. Mission Manufacturing Co. well 1. Lat. 29°48', long. 95°20'. Drilled industrial artesian well in sand, diameter 10 inches, depth 530 feet. Highest water level 101.57 below lsd, Jan. 25, 1944; lowest 168.2 below lsd, Sept. 10, 1951. Records available: 1943-51. Feb. 19, 154.16; June 11, 155.08; Sept. 10, 168.2; Dec. 7, 165.76.

1423. Clarence Nelson. Near Hall Rd., lat. 29°36', long. 95°14'. Drilled irrigation artesian well in sand, diameter 20 inches, depth 1,347 feet. Highest water level 117.68 below lsd, Apr. 24, 1946; lowest 189.5 below lsd, Sept. 18, 1951. Records available: 1946-51. Feb. 26, 163.30; Sept. 18, 189.5; Dec. 13, 175.50.

1424. Harris County Water Control & Improvement District No. 3, well 3. Alba and Sue Barnett Sts., lat. 29°49', long. 95°25'. Drilled public-supply artesian well in sand, diameter 13 inches, depth 850 feet. Highest water level 102.57 below lsd, Feb. 5, 1946; lowest 187.18 below lsd, Sept. 11, 1951. Records available: 1946-51. Feb. 16, 165.44; Sept. 11, 187.18; Dec. 10, 180.93.

1503. R. R. Michel test hole O-1. Lat. 30°05', long. 95°37'. Drilled observation water-table well in sand, diameter 1½ inches, depth 41 feet, screen at 39-41. Highest water level 26.57 below lsd, Mar. 26, 1945; lowest 36.84 below lsd, Nov. 26, 1951. Records available: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	34.79	Apr. 24	35.28	July 23	35.86	Oct. 24	36.70
Feb. 23	35.08	May 24	35.35	Aug. 27	36.08	Nov. 26	36.84
Mar. 5	35.01	June 19	35.53	Sept. 20	36.36	Dec. 11	36.82
23	35.09	22	35.56	24	36.36	20	36.53

1504. Bogs Estate test hole N-1. Near Huffsmith. Lat. 30°07', long. 95°35'. Drilled observation water-table well in sand, diameter 1½ inches, depth 29 feet, screen at 27-29. Highest water level 18.49 below lsd, Jan. 31, 1947; lowest 26.28 below lsd, Dec. 20, 1951. Records available: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	24.21	Apr. 24	24.90	July 23	25.49	Oct. 24	26.03
Feb. 23	24.50	May 24	25.09	Aug. 27	25.74	Nov. 26	26.19
Mar. 5	24.56	June 19	25.26	Sept. 20	25.90	Dec. 20	26.28
23	24.71	22	25.27	24	25.93		

1505. Wm. Tautenhahn test hole U-1. Near Westfield. Lat. 30°01', long. 95°24'. Drilled observation water-table well in sand, diameter 1½ inches, depth 21 feet, screen at 19-21. Dry from July 23 to Dec. 20. Highest water level 5.39 below lsd, Jan. 29, 1947; lowest 19.96 below lsd, June 22, 1951. Records available: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	19.52	Feb. 28	19.70	Apr. 24	19.65	June 20	19.93
Feb. 23	19.60	Mar. 23	19.80	May 24	19.86	22	19.96

1506. Sinclair-Prairie Oil Co. Near Fairbanks. Lat. 29°53', long. 95°30'. Drilled domestic artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 39.23 below lsd, Apr. 21, 1944; lowest 85.39 below lsd, June 19, 1951. Records available: 1943-51. Mar. 1, 81.20; June 19, 85.39.

1507. Stanolind Oil & Gas Co. Lat. 29°53', long. 95°29'. Drilled industrial artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 41.85 below lsd, June 8, 1944; lowest 95.3 below lsd, Sept. 20, 1951. Records available: 1944-51. Mar. 1, 82.95; June 19, 87.20; Sept. 20, 95.3; Dec. 11, 93.04.

#### Hays County

110. M. O. Rogers. Lat. 30°07', long. 97°58'. Drilled farm artesian well in limestone, diameter 6 inches, depth 110 feet. Land-surface datum is 992.53 feet above msl. Highest water level 5.26 below lsd, May 28, 1941; lowest 58.40 below lsd, Aug. 6, 1948. Records available: 1937, 1940-46, 1948-51. Jan. 3, 57.21; Aug. 8, 56.31; Dec. 5, 55.04.

349. E. Brooks. Lat. 29°53', long. 97°57'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 176 feet. Land-surface datum is 738.84 feet above msl. Highest water level 158.04 below lsd, May 22, 1941; lowest 169.09 below lsd, Apr. 4, 1951. Records available: 1937, 1940-51. Jan. 4, 163.99; Apr. 4, 169.09; Aug. 8, 162.55; Dec. 5, 168.62.

524. H. W. Hageman. Lat. 29°54', long. 97°55'. Drilled unused artesian well in Edwards limestone, diameter 5 inches, depth 78 feet. Land-surface datum is 607.31 feet above msl. Highest water level 29.04 below lsd, May 22, 1941; lowest 42.58 below lsd, Sept. 14, 1937. Records available: 1937-51. Jan. 4, 33.20; Apr. 4, 33.15; Aug. 8, 33.78; Dec. 5, 33.14.

528. E. N. Cason. Formerly F. N. Whaley. Lat. 29°55', long. 97°54'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 121 feet. Land-surface datum is 670.87 feet above msl. Highest water level 91.03 below lsd, May 22, 1941; lowest 98.86 below lsd, July 26, 1940. Records available: 1937-51. Jan. 4, 96.68; Apr. 4, 98.49; Aug. 8, 96.49; Dec. 5, 98.15.

529. Nicholas Thiele. In Kyle, lat. 29°59', long. 97°52'. Drilled domestic artesian well in Edwards limestone, diameter 5 inches, depth 372 feet. Land-surface datum is 718.00 feet above msl. Highest water level 127.43 below lsd, June 22, 1938; lowest 158.58 below lsd, May 1, 1948. Records available: 1937-51. Jan. 3, 142.74; Apr. 4, 143.52; Aug. 8, 148.56; Dec. 5, 144.46.

534. J. J. Horton. In Buda, lat. 30°05', long. 97°50'. Drilled domestic artesian well in Edwards limestone, diameter 5 inches, depth 244 feet. Land-surface datum is 707.23 feet above msl. Highest water level 87.62 below lsd, May 22, 1945; lowest 142.87 below lsd, Mar. 25, 1940. Records available: 1937-51. Jan. 2, 136.60; Apr. 4, 137.46; Aug. 8, 139.78; Dec. 5, 139.00.

535. Thomas Yoe. Lat. 30°05', long. 97°48'. Dug unused water-table well in Austin chalk, diameter 28 inches, depth 30 feet. Highest water level 22.66 below lsd, Jan. 29, 1947; lowest 30.12 below lsd, Oct. 3, 1939. Records available: 1937-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	26.60	Apr. 24	26.53	July 23	26.03	Oct. 24	26.37
Feb. 28	26.68	May 22	26.45	Aug. 23	26.18	Dec. 20	26.58
Mar. 29	26.68	June 28	25.88	Sept. 24	26.25		

553. G. M. Jackson. Lat.  $29^{\circ}51'$ , long.  $97^{\circ}58'$ . Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 194 feet. Highest water level 115.74 below lsd, Apr. 29, 1944; lowest 122.20 below lsd, Oct. 5, 1939. Records available: 1937-51. Jan. 4, 120.76; Apr. 4, 121.42; Aug. 8, 120.55; Dec. 5, 120.83.

#### Hockley County

24. R. Y. Huguen.  $SW\frac{1}{4}$  sec. 99, blk. A, lat.  $33^{\circ}47'$ , long.  $102^{\circ}08'$ . Drilled unused water-table well in sand, diameter 6 inches, depth 37 feet. Highest water level 17.85 below lsd, Feb. 1, 1943; lowest 28.19 below lsd, Aug. 16, 1937. Records available: 1937-51. Jan. 19, 27.59.

25a. Walter Weige.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 98, blk. A, lat.  $33^{\circ}47'$ , long.  $102^{\circ}09'$ . Drilled irrigation water-table well in sand, depth 90 feet. Highest water level 24.45 below lsd, Mar. 15, 1947; lowest 27.07 below lsd, Feb. 17, 1950. Records available: 1947-50. No measurement made in 1951.

28. Dan Jackson and Paul Whitfield.  $NW\frac{1}{4}SW\frac{1}{4}$  sec. 106, blk. A, lat.  $33^{\circ}47'$ , long.  $102^{\circ}10'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 100 feet, cased to 100. Highest water level 26.92 below lsd, Feb. 1, 1943; lowest 38.60 below lsd, Jan. 19, 1951. Records available: 1937-51. Jan. 19, 38.60.

126. W. M. Alexander.  $SE\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$  sec. 89, blk. A, lat.  $33^{\circ}45'$ , long.  $102^{\circ}08'$ . Drilled unused water-table well in sand, diameter 15 inches, depth 105 feet. Highest water level 20.11 below lsd, Feb. 17, 1950; lowest 28.63 below lsd, June 21, 1938. Records available: 1938-51. Jan. 14, 22.41.

247a. A. N. Riley.  $NW\frac{1}{4}$  lab. 3, lge. 78, R.C.S.L., lat.  $33^{\circ}40'$ , long.  $102^{\circ}31'$ . Drilled irrigation water-table well in sand, diameter 18 inches, depth 230 feet. Highest water level 104.62 below lsd, Feb. 28, 1946; lowest 105.90 below lsd, Jan. 17, 1951. Records available: 1944-51. Jan. 17, 105.90.

263a. C. E. Roloff.  $SE\frac{1}{4}NW\frac{1}{4}$  lge. 731, S.C.L., lat.  $33^{\circ}39'$ , long.  $102^{\circ}23'$ . Drilled irrigation water-table well in sand. Highest water level 104.65 below lsd, Mar. 14, 1947; lowest 109.59 below lsd, Jan. 18, 1951. Records available: 1947-51. Jan. 18, 109.59.

403a. Albert Ellis.  $NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$  sec. 111, blk. A, lat.  $33^{\circ}48'$ , long.  $102^{\circ}11'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 107 feet. Highest water level 34.55 below lsd, Mar. 15, 1947; lowest 44.35 below lsd, Jan. 19, 1951. Records available: 1947-49, 1951. Jan. 19, 44.35.

429b. H. R. Johnston.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 52, blk. A, lat.  $33^{\circ}41'$ , long.  $102^{\circ}06'$ . Drilled irrigation water-table well in sand, diameter 14 inches, depth 190 feet. Highest water level 86.70 below lsd, Mar. 15, 1947; lowest 95.64 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 95.64.

434. C. E. Pendergrass.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 74, blk. A, lat.  $33^{\circ}44'$ , long.  $102^{\circ}10'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 221 feet, cased to 206. Highest water level 130.24 below lsd, Mar. 1, 1946; lowest 139.40 below lsd, Jan. 19, 1951. Records available: 1938, 1944-51. Jan. 19, 139.40.

443a. Nicholson.  $SE\frac{1}{4}$  sec. 87, blk. A, lat.  $33^{\circ}45'$ , long.  $102^{\circ}06'$ . Drilled irrigation water-table well in sand. Highest water level 70.95 below lsd, Feb. 22, 1944; lowest 77.70 below lsd, Mar. 8, 1949. Records available: 1944-45, 1947-51. Jan. 19, 77.17.

458. R. L. Burdette. NE. corner sec. 102, blk. A, lat.  $33^{\circ}48'$ , long.  $102^{\circ}05'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet, cased to 150. Highest water level 80.98 below lsd, Mar. 17, 1947; lowest 85.93 below lsd, Mar. 8, 1949. Records available: 1938, 1947-49, 1951. Jan. 19, 85.63.

576. M. L. Goolsby.  $SW\frac{1}{4}NW\frac{1}{4}$  lab. 2, lge. 29, H.C.S.L., lat.  $33^{\circ}33'$ , long.  $102^{\circ}21'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 172 feet. Highest water level 87.65 below lsd, Jan. 29, 1944; lowest 89.92 below lsd, Feb. 18, 1950. Records available: 1944, 1946-51. Jan. 18, 89.35.

587. I. N. Johnson.  $SE\frac{1}{4}SE\frac{1}{4}$  lab. 13, lge. 733, lat.  $33^{\circ}37'$ , long.  $102^{\circ}23'$ . Drilled irrigation water-table well in sand, depth 105 feet. Highest water level 90.63 below lsd, Mar. 5, 1945; lowest 95.87 below lsd, Mar. 9, 1949. Records available: 1939-42, 1944-45, 1947-50. No measurement made in 1951.

717. Panhandle & Santa Fe Railway Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  lab. 6, lge. 2, lat. 33°34', long. 102°07'. Drilled unused water-table well in sand. Highest water level 97.04 below lsd, Dec. 4, 1950; lowest 103.92 below lsd, Mar. 14, 1939. Records available: 1939, 1945, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	97.10	Mar. 2	97.68	July 2	98.32	Oct. 2	98.70
18	97.22	Apr. 3	98.82	Aug. 2	99.37	Nov. 6	98.43
30	97.60	May 1	99.22	Sept. 2	99.50	Dec. 3	98.18
Feb. 4	97.63	June 8	98.60				

827a. Roy Dopson. Lab. 14, lge. 10, D. C. S. L., lat. 33°25', long. 102°06'. Drilled farm water-table well in sand, diameter 12 inches, depth 170 feet. Highest water level 88.62 below lsd, Mar. 5, 1945; lowest 102.86 below lsd, Jan. 18, 1951. Records available: 1944-46, 1948-51. Jan. 18, 102.86.

#### Jackson County

Measurement discontinued in wells 7, 14, 71, 78, 108a, 304, 305, 322, 337.

5. Jackson County. Lat. 29°11', long. 96°38'. Drilled school artesian well in Lissie formation, diameter 4 inches, depth 75 feet. Highest water level 33.1 below lsd, July 17, 1934; lowest 38.46 below lsd, Mar. 21, 1950. Records available: 1934-36, 1938-50. Measurement discontinued.

6. N. J. Marthiljohni. Lat. 29°06', long. 96°44'. Drilled stock artesian well in Lissie formation, diameter 4 inches, depth 58 feet. Highest water level 32.17 below lsd, Apr. 9, 1941; lowest 39.63 below lsd, Apr. 3, 1951. Records available: 1934-35, 1938-41, 1946-51. Apr. 3, 39.63.

11a. Nellie Miller Estate. Lat. 29°03', long. 96°45'. Drilled farm artesian well in Lissie formation, diameter 4 inches, depth 66 feet. Highest water level 31.63 below lsd, Sept. 5, 1936; lowest 40.10 below lsd, Apr. 3, 1951. Records available: 1936, 1938-42, 1944-51. Apr. 3, 40.10.

14. Mrs. C. V. Watson. Lat. 29°09', long. 96°37'. Drilled farm artesian well in Lissie formation, diameter 4 inches, depth 80 feet. Highest water level 32.3 below lsd, July 17, 1934; lowest 36.85 below lsd, Apr. 3, 1951. Records available: 1934-36, 1938-51. Apr. 3, 36.85.

57. S. G. Drushel. Lat. 29°05', long. 96°37'. Drilled stock artesian well in Lissie formation, diameter 4 inches, depth 68 feet. Highest water level 35.9 below lsd, July 17, 1934; lowest 40.8 below lsd, Mar. 21, 1950. Records available: 1934-36, 1938-46, 1948-51. Apr. 3, 38.2.

64. Wm. Clifford. Lat. 28°58', long. 96°42'. Drilled farm artesian well in Lissie formation, diameter 30 to 8 inches, depth 200 feet. Highest water level 26.53 below lsd, Sept. 5, 1936; lowest 48.14 below lsd, Mar. 22, 1949. Records available: 1934-36, 1938-45, 1947-51. Apr. 2, 41.20.

66. S. J. and E. F. Swenson. Lat. 29°02', long. 96°37'. Drilled domestic artesian well in sand, diameter 4 inches, depth 63 feet. Highest water level 34.66 below lsd, Apr. 1, 1944; lowest 37.69 below lsd, Apr. 3, 1951. Records available: 1934-36, 1938-51. Apr. 3, 37.89.

69. A. E. Westhoff. Lat. 29°01', long. 96°37'. Drilled farm artesian well in sand, diameter 4 inches, depth 60 feet. Highest water level 29.0 below lsd, July 27, 1934; lowest 34.93 below lsd, Apr. 2, 1951. Records available: 1934-36, 1938-51. Apr. 2, 34.93.

88. A. E. Westhoff. Lat. 28°53', long. 96°35'. Drilled unused artesian well in sand, diameter 24 to 9 inches, depth 431 feet. Highest water level 15 below lsd, 1909; lowest 33.60 below lsd, Apr. 4, 1951. Records available: 1909, 1934-36, 1938, 1942-51. Apr. 4, 33.60.

103. A. C. Wilbeck. Lat. 29°04', long. 96°34'. Drilled unused artesian well in sand, diameter 4 inches, depth 60 feet. Highest water level 33.78 below lsd, Mar. 30, 1944; lowest 38.96 below lsd, Apr. 3, 1951. Records available: 1934-36, 1938-47, 1949-51. Apr. 3, 38.96.

105. A. M. Robinson. Lat. 29°06', long. 96°30'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 280 feet. Highest water level 30.0 below lsd, 1934; lowest 37.26 below lsd, Apr. 3, 1951. Records available: 1934, 1942-47, 1949-51. Apr. 3, 37.26.

122. Eli Bell. Lat. 28°56', long. 96°27'. Drilled irrigation artesian well in Lissie formation, diameter 26 to 10 inches, depth 225 feet. Highest water level 20.03 below lsd, Mar. 25, 1947; lowest 30.27 below lsd, Apr. 4, 1951. Records available: 1934, 1942-47, 1949-51. Apr. 4, 30.27.

229. W. A. Utzman. Lat. 28°51', long. 96°38'. Drilled farm artesian well in Lissie formation, diameter 4 inches, depth 189 feet. Highest water level 31.17 below lsd, Sept. 5, 1936; lowest 38.95 below lsd, Apr. 4, 1951. Records available: 1934-36, 1938-51. Apr. 4, 38.95.

230. Royal Dedman. Lat. 28°53', long. 96°34'. Drilled farm artesian well in sand, diameter 4 inches, depth 131 feet. Highest water level 33.83 below lsd, Apr. 1, 1944; lowest 41.65 below lsd, Apr. 4, 1951. Records available: 1934-36, 1938-51. Apr. 4, 41.65.

313. G. A. Harrison. Lat. 29°00', long. 96°35'. Drilled irrigation artesian well in Lissie formation, diameter 20 to 12 inches, depth 506 feet, casing slotted below 103. Highest water level 27.30 below lsd, Apr. 1, 1944; lowest 37.50 below lsd, Apr. 3, 1951. Records available: 1942-51. Apr. 3, 37.50.

318. George Carstien. Lat. 29°07', long. 96°30'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 252 feet. Highest water level 29.39 below lsd, Mar. 30, 1944; lowest 35.48 below lsd, Apr. 3, 1951. Records available: 1942-47, 1949-51. Apr. 3, 35.48.

357. A. V. Raplee. Lat. 28°43', long. 96°22'. Drilled farm artesian well in Beaumont clay, diameter 24 to 10 inches, depth 400 feet. Highest water level 7.91 below lsd, Apr. 15, 1943; lowest 22.45 below lsd, Apr. 4, 1951. Records available: 1942-51. Apr. 4, 22.45.

#### Jim Wells County

Measurement discontinued in wells 253, 292a, 329, 357, 359, 374, 377a, 382, 397.

193. M. Morales. Lat. 27°38', long. 98°13'. Dug unused water-table well in sand, diameter 42 inches, depth 40 feet. Highest water level 19.83 below lsd, Feb. 5, 1936; lowest 28.86 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-51. Feb. 19, 28.86.

206. Emilio Barrera. Lat. 27°36', long. 98°12'. Dug farm artesian well in sand, diameter 48 inches, depth 75 feet. Highest water level 29.14 below lsd, Oct. 5, 1933; lowest 59.05 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-51. Feb. 19, 59.05.

207. Roman Saenz. Lat. 27°35', long. 98°11'. Drilled farm water-table well in sand, diameter 5 inches, depth 99 feet. Highest water level 66.95 below lsd, July 20, 1937; lowest 82.44 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-51. Feb. 19, 82.44. Measurement discontinued.

221. Feliz Perez Cadena. Lat. 27°34', long. 98°11'. Dug farm water-table well in sand, diameter 5 feet, depth 65 feet. Highest water level 46.58 below lsd, Feb. 5, 1936; lowest 58.21 below lsd, July 1, 1933. Records available: 1933, 1935-36, 1938-41, 1943, 1945, 1947-51. Feb. 19, 55.32.

222. Manuel Cadena. Lat. 27°34', long. 98°11'. Dug farm water-table well in sand, diameter 5 feet, depth 60 feet. Highest water level 47.24 below lsd, Feb. 5, 1936; lowest 56.40 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-51. Feb. 19, 56.40.

242. King Ranch, Hormigas well. Lat. 27°33', long. 98°05'. Drilled stock artesian well in Goliad sand, diameter 5 inches, depth 480 feet. Land-surface datum is 156.84 feet above msl. Highest water level 55.38 below lsd, June 13, 1933; lowest 113.43 below lsd, Oct. 17, 1951. Records available: 1933, 1943-51. Feb. 26, 104.12; Oct. 17, 113.43; Nov. 22, 105.47.

252. Cerapio Hinojosa. Lat. 27°26', long. 98°13'. Dug farm water-table well in sand, diameter 4 feet, depth 60 feet. Highest water level 46.33 below lsd, Oct. 23, 1933; lowest 76.36 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-51. Feb. 19, 76.36.

269. R. P. Wynne. Lat. 27°25', long. 98°07'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 500 feet. Highest water level 35.60 below lsd, Apr. 25, 1933; lowest 88.08 below lsd, Feb. 8, 1950. Records available: 1933, 1943-51. Feb. 19, 63.19.

272. Miguel de los Santos. Lat. 27°23', long. 98°13'. Drilled unused artesian well in Goliad sand, diameter 4 inches, depth 400 feet. Highest water level 57.30 below lsd, June 6, 1933; lowest 85.76 below lsd, Feb. 19, 1949. Records available: 1933, 1945, 1947-51. Feb. 19, 84.35.



272a. Fidencio de los Santos. Lat. 27°23', long. 98°13'. Drilled farm artesian well in Goliad sand, diameter 4 inches, depth 286 feet. Highest water level 78.91 below lsd, Feb. 15, 1947; lowest 93.16 below lsd, Feb. 19, 1951. Records available: 1947-51. Feb. 19, 93.16.

292. W. A. Cobb. Lat. 27°21', long. 98°07'. Drilled unused artesian well in Goliad sand, diameter 10 inches, depth 524 feet. Highest water level 42.00 below lsd, Jan. 27, 1933; lowest 101.55 below lsd, Feb. 19, 1951. Records available: 1933, 1943, 1945, 1949-51. Feb. 19, 101.55.

330. L. H. Franz. Lat. 27°20', long. 98°07'. Drilled farm artesian well in Goliad sand, diameter 12 inches, depth 540 feet. Highest water level 41.50 below lsd, July 31, 1933; lowest 102.94 below lsd, Feb. 19, 1951. Records available: 1933, 1943, 1947, 1949-51. Feb. 19, 102.94.

346. Charlie Premont. Lat. 27°18', long. 98°11'. Drilled farm artesian well in Goliad sand, diameter 8 inches, depth 482 feet. Highest water level 27.10 below lsd, Dec. 6, 1932; lowest 77.82 below lsd, Feb. 19, 1951. Records available: 1932, 1943-44, 1947-51. Feb. 19, 77.82.

392a. B. W. Voght. Lat. 27°17', long. 98°07'. Drilled irrigation artesian well in Goliad sand, diameter 12 inches, depth 600 feet. Highest water level 76.53 below lsd, Feb. 17, 1947; lowest 92.54 below lsd, Feb. 19, 1951. Records available: 1947-51. Feb. 17, 1947, 76.53; Feb. 18, 1947, 76.89; Feb. 10, 1948, 91.22; Feb. 19, 1949, 90.95; Feb. 8, 1950, 87.61; Feb. 19, 1951, 92.54.

399. O. M. Boone. Lat. 27°16', long. 98°07'. Drilled irrigation artesian well in Goliad sand, diameter 12 to 8 inches, depth 600 feet. Land-surface datum is 126.69 feet above msl. Highest water level 20.40 below lsd, Dec. 5, 1932; lowest 87.41 below lsd, Feb. 19, 1951. Records available: 1932, 1943-51. Feb. 19, 87.41. Measurement discontinued.

429. Clyde Wright. Lat. 27°20', long. 98°06'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 480 feet. Highest water level 57.59 below lsd, Oct. 23, 1943; lowest 91.71 below lsd, Feb. 19, 1951. Records available: 1943, 1945-51. Feb. 19, 91.71.

431. J. R. Friesen. Lat. 27°20', long. 98°06'. Drilled irrigation artesian well in Goliad sand, diameter 8 to 4 inches, depth 515 feet. Highest water level 62.84 below lsd, Oct. 23, 1943; lowest 96.57 below lsd, Feb. 19, 1951. Records available: 1943, 1945, 1947-51. Feb. 19, 96.57.

#### Kinney County

XK-1. Ethel Whitaker. Lat. 29°13', long. 100°06'. Drilled farm artesian well in limestone, diameter 4 inches, depth 102 feet. Highest water level 56.00 below lsd, Aug. 24, 1938; lowest 78.28 below lsd, Jan. 8, 1949. Records available: 1937-51. May 14, 76.15; Aug. 14, 74.03; Dec. 19, 77.83.

XK-5. Judge John Fritter. Lat. 29°16', long. 100°19'. Drilled farm water-level well in limestone, diameter 6 inches. Highest water level 17.77 below lsd, July 28, 1938; lowest 37.39 below lsd, Apr. 2, 1946. Records available: 1937-51. May 14, 33.18; Aug. 14, 32.80; Dec. 19, 33.70.

XK-9. C. J. Poehler. Lat. 29°18', long. 100°27'. Drilled unused water-table well in Austin chalk, diameter 6 inches, depth 157 feet. Highest water level 34.17 below lsd, Aug. 24, 1938; lowest 43.83 below lsd, Apr. 2, 1946. Records available: 1937-51. May 14, 42.55; Aug. 14, 42.85; Dec. 19, 42.04.

XK-11. J. F. Beidler. Lat. 29°19', long. 100°32'. Drilled unused water-table well in limestone, diameter 4 inches, depth 75 feet. Highest water level 19.58 below lsd, Oct. 28, 1938; lowest 32.46 below lsd, Aug. 14, 1951. Records available: 1937-51. May 15, 28.67; Aug. 14, 32.46; Dec. 19, 32.22.

XK-12. J. F. Beidler. Lat. 29°21', long. 100°37'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 618 feet. Highest water level 5.37 below lsd, June 24, 1947; lowest 32.61 below lsd, Aug. 14, 1951. Records available: 1937-51. May 15, 31.45; Aug. 14, 32.61; Dec. 19, 30.74.

XK-13. Howard Roberts. Lat. 29°23', long. 100°41'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 430 feet. Highest water level 57.31 below lsd, Apr. 14, 1949; lowest 72.73 below lsd, June 5, 1945. Records available: 1937-51. May 15, 63.27; Aug. 15, 70.66.

XK-17. Jimmy Lowrance. Lat. 29°19', long. 100°25'. Drilled unused artesian well in Edwards limestone, diameter 8 inches, depth 600 feet. Highest water level 46.92 below lsd, July 23, 1940; lowest 51.51 below lsd, Aug. 12, 1941. Records available: 1937-51. May 15, 50.31; Aug. 14, 50.38; Dec. 19, 50.26.

XK-114. E. Webb. Lat. 29°25', long. 100°25'. Drilled farm artesian well in Edwards limestone, diameter 6 inches. Highest water level 62.02 below lsd, Apr. 14, 1949; lowest 70.64 below lsd, Apr. 2, 1946. Records available: 1937-51. May 15, 69.90; Aug. 15, 70.57; Dec. 19, 68.81.

XK-116. J. D. Harwood. Lat. 29°27', long. 100°25'. Drilled stock artesian well in Edwards limestone, diameter 5 inches. Highest water level 94.27 below lsd, Mar. 8, 1949; lowest 141.64 below lsd, Apr. 2, 1946. Records available: 1938-51. May 15, 140.0; Aug. 15, 141.16; Dec. 19, 139.18.

XK-170. Nolan & Postell. Lat. 29°25', long. 100°15'. Drilled stock artesian well in Edwards limestone, diameter 6 inches, depth 342 feet. Highest water level 182.25 below lsd, Aug. 28, 1949; lowest 222.09 below lsd, Dec. 19, 1951. Records available: 1940-42, 1946-51. May 15, 221.74; Aug. 15, 214.95; Dec. 19, 222.09.

XK-180. N. P. Petersen. Lat. 29°23', long. 100°16'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 475 feet. Highest water level 175.18 below lsd, Nov. 6, 1947; lowest 180.99 below lsd, Apr. 27, 1943. Records available: 1938-43, 1946-48, 1950-51. Jan. 9, 179.94; May 15, 178.00; Aug. 15, 176.24; Dec. 19, 178.27.

XK-187. Mrs. G. A. Harrison. Lat. 29°16', long. 100°16'. Drilled stock artesian well in Edwards limestone, diameter 6 inches, depth 514 feet. Highest water level 70.20 below lsd, Jan. 9, 1939; lowest 82.91 below lsd, Apr. 2, 1946. Records available: 1938-47, 1949-51. Jan. 4, 78.91; May 14, 80.37; Aug. 14, 81.09; Dec. 19, 81.69.

XK-198. Charley Zinsmeister. Lat. 29°19', long. 100°29'. Dug and drilled irrigation water-table well in limestone, diameter 48 to 6 inches, depth 157 feet. Highest water level 37.12 below lsd, June 24, 1947; lowest 54.18 below lsd, Aug. 14, 1951. Records available: 1938-51. Jan. 4, 45.10; May 15, 46.75; Aug. 14, 54.18; Dec. 19, 45.38.

XK-199. E. Webb. Lat. 29°19', long. 100°24'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 500 feet. Highest water level 36.10 below lsd, Dec. 20, 1949; lowest 44.80 below lsd, Apr. 21, 1948. Records available: 1939-51. May 15, 39.83; Aug. 15, 39.74; Dec. 19, 39.64.

#### Kleberg County

Measurement discontinued in wells 190 and 282.

8. King Ranch, Cola Blanco well. Lat. 27°36', long. 97°53'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 600 feet. Highest water level 29.40 below lsd, Feb. 3, 1934; lowest 112.18 below lsd, Feb. 20, 1951. Records available: 1932, 1934-35, 1943, 1945-51. Feb. 20, 112.18.

9. King Ranch, Protero well. Lat. 27°33', long. 97°54'. Drilled stock artesian well in Goliad sand, diameter 12 to 6 inches, depth 614 feet. Highest water level 34.90 below lsd, Feb. 3, 1934; lowest 136.64 below lsd, Feb. 20, 1951. Records available: 1932, 1934-35, 1943, 1945-47, 1949-51. Feb. 20, 136.64. Measurement discontinued.

13. King Ranch, Tamales well. Lat. 27°32', long. 98°02'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 427 feet. Land-surface datum is 133.7 feet above msl. Highest water level 44.23 below lsd, Feb. 6, 1934; lowest 111.46 below lsd, Feb. 20, 1951. Records available: 1932-35, 1938-41, 1943-51. Feb. 20, 111.46; Oct. 17, 109.15; Nov. 22, 109.57.

15. King Ranch, Puertos well. Lat. 27°32', long. 97°59'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 567 feet. Land-surface datum is 113.39 feet above msl. Highest water level 39.59 below lsd, Feb. 6, 1934; lowest 107.10 below lsd, Oct. 1, 1951. Records available: 1932-35, 1938-41, 1943-51. Feb. 20, 95.53; Oct. 1, 107.10; Nov. 22, 93.40.

23. King Ranch, Caldero well. Lat. 27°30', long. 97°57'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 652 feet. Highest water level 43.90 below lsd, Feb. 5, 1934; lowest 119.44 below lsd, Feb. 20, 1951. Records available: 1933-35, 1938-41, 1943-44, 1946-51. Feb. 20, 119.44.

31. King Ranch, Liberty well. Lat. 27°29', long. 97°55'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 508 feet. Highest water level 27.80 below lsd, Feb. 5, 1934; lowest 113.44 below lsd, Feb. 20, 1951. Records available: 1933-34, 1938-41, 1943-47, 1949-51. Feb. 20, 113.44.

35. King Ranch, Silo well. Lat. 27°29', long. 97°54'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 500 feet. Highest water level 28.28 below lsd, Feb. 5, 1934; lowest 122.72 below lsd, Feb. 20, 1951. Records available: 1933-35, 1938-41, 1943-47, 1949-51. Feb. 20, 122.72.

64. King Ranch, Rincon Caesar well. Lat. 27°15', long. 97°51'. Drilled stock artesian well in Goliad sand, diameter 5 to 4 inches, depth 700 feet. Highest water level 0.94 above lsd, Jan. 11, 1933; lowest 19.26 below lsd, Feb. 21, 1951. Records available: 1933-35, 1938-41, 1943-45, 1947-51. Feb. 21, 19.26.

75. King Ranch, Rancho Verde well. Lat. 27°42', long. 97°50'. Drilled farm artesian well in Goliad sand, diameter 6 to 4 inches, depth 805 feet. Highest water level 32.50 below lsd, Dec. 15, 1932; lowest 136.46 below lsd, Feb. 20, 1951. Records available: 1932, 1943-45, 1949-51. Feb. 20, 136.46.

93. Kingsville city well 1. In Kingsville, lat. 27°31', long. 97°52'. Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 810 feet. Land-surface datum is 64.99 feet above msl. Highest water level 39.70 below lsd, Feb. 10, 1934; lowest 156.90 below lsd, Feb. 20, 1951. Records available: 1932-35, 1944-45, 1947-51. Feb. 10, 1950, 129.65; Feb. 20, 1951, 156.90.

188. J. R. Trussell. Lat. 27°27', long. 97°51'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 700 feet. Land-surface datum is 58.20 feet above msl. Highest water level 17.80 below lsd, Feb. 2, 1934; lowest 127.35 below lsd, Feb. 21, 1951. Records available: 1932-35, 1938-41, 1943-51. Feb. 21, 127.35.

372. King Ranch, Caesar Pens well. Lat. 27°33', long. 97°50'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 750 feet. Land-surface datum is 53.90 feet above msl. Highest water level 19.33 below lsd, Feb. 2, 1934; lowest 130.69 below lsd, Feb. 20, 1951. Records available: 1932-35, 1943, 1945-46, 1948-51. Feb. 20, 130.69.

374. King Ranch, Palo Marcado well. Lat. 27°31', long. 97°45'. Drilled stock artesian well in Goliad sand, diameter 10 to 7 inches, depth 852 feet. Land-surface datum is 52.38 feet above msl. Highest water level 25.62 below lsd, Nov. 10, 1934; lowest 94.76 below lsd, Feb. 20, 1951. Records available: 1933-34, 1943-51. Feb. 20, 94.76.

375. King Ranch, Noria Honda well. Lat. 27°31', long. 97°42'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 1,035 feet. Land-surface datum is 35.67 feet above msl. Highest water level 5.32 below lsd, Jan. 12, 1933; lowest 51.73 below lsd, Feb. 20, 1951. Records available: 1933-35, 1938, 1940-41, 1943-51. Feb. 20, 51.73.

376. King Ranch, Leoncitas well. Lat. 27°29', long. 97°45'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 1,050 feet. Highest water level 19.00 below lsd, Jan. 12, 1933; lowest 88.66 below lsd, Feb. 20, 1951. Records available: 1933-34, 1943-47, 1949-51. Feb. 20, 88.66.

377. King Ranch, Mesquite well. Lat. 27°29', long. 97°43'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 1,100 feet. Highest water level 16.82 below lsd, Nov. 11, 1934; lowest 62.84 below lsd, Feb. 20, 1951. Records available: 1933-34, 1943-44, 1946-47, 1949-51. Feb. 20, 62.84.

380. King Ranch, Telephone well 1. Lat. 27°28', long. 97°41'. Drilled stock artesian well in Goliad sand, diameter 6 to 4 inches, depth 950 feet. Highest water level 11.83 below lsd, Feb. 1, 1938; lowest 55.12 below lsd, Feb. 20, 1951. Records available: 1933-34, 1938, 1940-41, 1943-47, 1949-51. Feb. 20, 55.12.

384. King Ranch, Aljibes well. Lat. 27°31', long. 97°37'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 1,000 feet. Land-surface datum is 34.14 feet above msl. Highest water level 10.12 below lsd, Feb. 1, 1938; lowest 30.50 below lsd, Feb. 20, 1951. Records available: 1933-34, 1938, 1940-41, 1943, 1945-51. Feb. 20, 30.50.

385. King Ranch, Palacios well. Lat. 27°32', long. 97°38'. Drilled stock artesian well in Goliad sand, diameter 8 to 4 inches, depth 909 feet. Land-surface datum is 33.32 feet above msl. Highest water level 1.70 below lsd, Feb. 4, 1934; lowest 33.14 below lsd, Feb. 20, 1951. Records available: 1933-35, 1938, 1940-41, 1943, 1945, 1947, 1949-51. Feb. 20, 33.14.

386. King Ranch, Chiltipin well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}35'$ . Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 945 feet. Land-surface datum is 34.79 feet above msl. Highest water level 4.48 below lsd, Nov. 10, 1934; lowest 29.59 below lsd, Feb. 20, 1951. Records available: 1933-34, 1943-45, 1947-51. Feb. 20, 29.59.

436. King Ranch, La Noria Nina well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}44'$ . Drilled stock artesian well in Goliad sand, diameter 6 to 4 inches, depth 1,013 feet, screen at 911-1,013. Highest water level 27.72 below lsd, Mar. 6, 1944; lowest 73.89 below lsd, Feb. 20, 1951. Records available: 1943-47, 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 14, 1943	27.88	Mar. 16, 1945	35.25	Feb. 20, 1947	54.87	Feb. 11, 1950	59.28
Mar. 6, 1944	27.72	Mar. 15, 1946	44.66	Feb. 16, 1949	62.04	Feb. 20, 1951	73.89

437. King Ranch, Las Palmas well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}40'$ . Drilled stock artesian well in Goliad sand, diameter 6 to 3 inches, depth 1,016 feet. Highest water level 15.15 below lsd, Mar. 6, 1944; lowest 37.84 below lsd, Feb. 2, 1950. Records available: 1943-45, 1947, 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 14, 1943	15.27	Mar. 16, 1945	19.04	Feb. 16, 1949	36.47	Feb. 20, 1951	31.40
Mar. 6, 1944	15.15	Feb. 20, 1947	28.45	Feb. 2, 1950	37.84		

438. Kingsville city well 5. In Kingsville, lat.  $27^{\circ}31'$ , long.  $97^{\circ}52'$ . Drilled public-supply artesian well, in Goliad sand, diameter 16 to 8 inches, depth 740 feet. Highest water level 84.32 below lsd, Mar. 7, 1944; lowest 144.50 below lsd, Feb. 21, 1951. Records available: 1944-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1944	84.32	Mar. 13, 1946	113.00	Feb. 11, 1948	122.51	Feb. 10, 1950	124.67
Mar. 16, 1945	90.46	Feb. 21, 1947	128.59	Feb. 19, 1949	124.35	Feb. 21, 1951	144.50

#### Lamb County

1. H. H. Engleking. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, blk. W, lat.  $34^{\circ}18'$ , long.  $102^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 128 feet. Highest water level 66.48 below lsd, Feb. 19, 1945; lowest 74.03 below lsd, Jan. 12, 1951. Records available: 1936-47, 1949-51. Jan. 12, 74.03.

3a. J. P. Crawford. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, blk. W, lat.  $34^{\circ}16'$ , long.  $102^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 24 inches, depth 82 feet. Highest water level 21.85 below lsd, Feb. 4, 1943; lowest 39.10 below lsd, Sept. 15, 1939. Records available: 1934, 1936-51. Jan. 12, 35.52.

6. Albert Lavigne. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, blk. W, lat.  $34^{\circ}16'$ , long.  $102^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet. Highest water level 13.00 below lsd, Nov. 30, 1942; lowest 30.33 below lsd, Jan. 12, 1951. Records available: 1914, 1937-45, 1947-51. Jan. 12, 30.33.

7. Lillie Bickle. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 46, blk. W, lat.  $34^{\circ}14'$ , long.  $102^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 14 inches, depth 160 feet, cased to 160. Highest water level 5.31 below lsd, Nov. 1, 1941; lowest 23.45 below lsd, Jan. 12, 1951. Records available: 1934, 1936-44, 1946-47, 1949-51. Jan. 12, 23.45.

8. J. L. Withrow. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 51, blk. W, lat.  $34^{\circ}14'$ , long.  $102^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 20 to 16 inches, depth 125 feet. Highest water level 6.16 below lsd, Nov. 17, 1941; lowest 20.13 below lsd, Jan. 12, 1951. Records available: 1936-42, 1944-51. Jan. 12, 20.13.

13. John Fyie. NW. corner sec. 45, blk. W, lat.  $34^{\circ}15'$ , long.  $102^{\circ}35'$ . Drilled irrigation water-table well in sand, diameter 13 inches, depth 150 feet. Highest water level 10.47 below lsd, Nov. 17, 1941; lowest 30.00 below lsd, Jan. 12, 1951. Records available: 1934, 1936-51. Jan. 12, 30.00.

16. E. K. Warren. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 30, blk. W, lat.  $34^{\circ}16'$ , long.  $102^{\circ}35'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 100 feet. Highest water level 29.11 below lsd, Feb. 4, 1943; lowest 43.09 below lsd, Jan. 12, 1951. Records available: 1936-51. Jan. 12, 43.09.

19. John Allen. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, blk. W, lat.  $34^{\circ}15'$ , long.  $102^{\circ}35'$ . Drilled irrigation water-table well in sand, depth 103 feet. Highest water level 11.44 below lsd, Nov. 30, 1942; lowest 27.98 below lsd, Jan. 12, 1951. Records available: 1913, 1936-45, 1947-51. Jan. 12, 27.98.

30. J. M. Young. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 38, blk. W, lat. 34°15', long. 102°32'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 250 feet, cased to 250. Highest water level 17.00 below lsd, Nov. 17, 1941; lowest 30.22 below lsd, Jan. 12, 1951. Records available: 1936-51. Jan. 12, 30.22.

38. Andrew Dutton. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 57, blk. 2, lat. 34°15', long. 102°29'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 149 feet, cased 57-147, perforated. Highest water level 33.78 below lsd, Feb. 11, 1943; lowest 41.65 below lsd, Feb. 17, 1950. Records available: 1936-38, 1943-51. Jan. 12, 40.14.

46b. Gus Parish. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 78, blk. 2, lat. 34°13', long. 102°24'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 130 feet. Highest water level 36.42 below lsd, Mar. 18, 1947; lowest 39.84 below lsd, Feb. 16, 1950. Records available: 1946-51. Jan. 12, 38.63.

50b. Bruce Higgins. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 81, blk. 2, lat. 34°12', long. 102°22'. Drilled irrigation water-table well in sand, depth 150 feet. Highest water level 43.65 below lsd, Feb. 23, 1943; lowest 50.71 below lsd, Jan. 12, 1951. Records available: 1942-51. Jan. 12, 50.71.

54. R. G. Wilson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 39, blk. 1, lat. 34°18', long. 102°21'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 225 feet. Highest water level 86.08 below lsd, Feb. 23, 1943; lowest 95.77 below lsd, Feb. 16, 1950. Records available: 1937-38, 1942-51. Jan. 12, 94.93.

56. N. F. Cleavinger. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 53, blk. 1, lat. 34°16', long. 102°19'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 215 feet, cased to 215, slotted at 60-215. Highest water level 96.78 below lsd, Feb. 23, 1943; lowest 124.23 below lsd, Jan. 12, 1951. Records available: 1940, 1942-45, 1947-49, 1951. Jan. 12, 124.23.

57. E. M. Gettys. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 59, blk. 1, lat. 34°15', long. 102°19'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 210 feet. Highest water level 86.88 below lsd, Feb. 23, 1943; lowest 92.18 below lsd, Mar. 11, 1949. Records available: 1942-49, 1951. Jan. 12, 89.35.

57d. E. M. Gettys. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 59, blk. 1, lat. 34°14', long. 102°19'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 230 feet. Highest water level 88.42 below lsd, Feb. 23, 1943; lowest 97.00 below lsd, Jan. 12, 1951. Records available: 1942-49, 1951. Jan. 12, 97.00.

60. S. A. Davis. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 69, blk. 1, lat. 34°14', long. 102°18'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 220 feet. Highest water level 66.80 below lsd, Feb. 4, 1943; lowest 74.57 below lsd, Feb. 16, 1950. Records available: 1937-50. No measurement made in 1951.

62f. Robertson Bros. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, blk. A, lat. 34°14', long. 102°09'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 232 feet. Highest water level 93.50 below lsd, Feb. 23, 1943; lowest 102.12 below lsd, Jan. 12, 1951. Records available: 1942-45, 1947-51. Jan. 12, 102.12.

62h. F. W. Dodson. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, blk. A, lat. 34°12', long. 102°11'. Drilled irrigation water-table well in sand, depth 185 feet. Highest water level 81.88 below lsd, Feb. 23, 1945; lowest 97.64 below lsd, Jan. 12, 1951. Records available: 1942-51. Jan. 12, 97.64.

71. A. S. Nafzger. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, blk. O2, lat. 34°08', long. 102°07'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 170 feet. Highest water level 59.58 below lsd, Feb. 8, 1944; lowest 74.02 below lsd, Jan. 13, 1951. Records available: 1937, 1942-45, 1947-51. Jan. 13, 74.02.

76. F. E. Gladden. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, blk. T1, lat. 34°11', long. 102°14'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 220 feet. Highest water level 68.89 below lsd, Mar. 2, 1946; lowest 77.54 below lsd, June 7, 1938. Records available: 1937-39, 1941-44, 1946-50. No measurement made in 1951.

88. Halsell Cattle Co. SW $\frac{1}{4}$  lab. 20, lge. 238, lat. 34°06', long. 101°25'. Drilled stock water-table well in sand, diameter 4 inches, depth 42 feet. Highest water level 32.61 below lsd, Mar. 14, 1942; lowest 39.29 below lsd, June 22, 1939. Records available: 1937-42, 1944-51. Jan. 17, 34.76.

231. Vincent Peterman. Center of NE $\frac{1}{4}$  lab. 16, lge. 218, lat. 34°06', long. 102°35'. Drilled domestic water-table well in sand, diameter 4 inches, depth 136 feet. Highest water level 92.61 below lsd, Feb. 17, 1950; lowest 101.60 below lsd, Feb. 2, 1944. Records available: 1937-42, 1944, 1946-51. Jan. 17, 93.60.

236. L. D. Criswell. NW $\frac{1}{4}$ SE $\frac{1}{4}$  lab. 24, lge. 649, lat. 33°59', long. 102°23'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 135 feet. Highest water level 67.90 below lsd, Feb. 20, 1948; lowest 78.94 below lsd, Nov. 18, 1940. Records available: 1937-38, 1940-48, 1951. Jan. 17, 73.99.

243. Les Barker. Center of lab. 5, lge. 664, lat. 33°56', long. 102°21'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 130 feet. Highest water level 74.00 below lsd, Feb. 10, 1948; lowest 78.04 below lsd, June 25, 1937. Records available: 1937-48, 1950-51. Jan. 17, 75.52.

307. Hubert Couch. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 125, blk. A, lat. 33°49', long. 102°12'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 100 feet. Highest water level 31.70 below lsd, May 5, 1937; lowest 44.50 below lsd, Jan. 17, 1951. Records available: 1937, 1947-51. Jan. 17, 44.50.

322. R. A. Hipps. NW. corner lab. 16, lge. 671, lat. 33°53', long. 102°16'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 100 feet. Highest water level 35.35 below lsd, Jan. 29, 1944; lowest 48.45 below lsd, Jan. 17, 1951. Records available: 1937-51. Jan. 17, 48.45.

341a. Yellow House Land Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  lab. 23, lge. 671, lat. 33°52', long. 102°14'. Drilled irrigation water-table well in sand. Highest water level 37.84 below lsd, Jan. 29, 1944; lowest 48.54 below lsd, Jan. 17, 1951. Records available: 1937-51. Jan. 17, 48.54.

#### Liberty County

Measurement discontinued in wells 185 and 227.

10. C. W. Dove. Lat. 30°19', long. 95°02'. Drilled unused artesian well in sand, diameter 4 inches, depth 304 feet. Highest water level 3.90 below lsd, Apr. 5, 1950; lowest 10.02 below lsd, Oct. 10, 1951. Records available: 1945, 1948-51. Apr. 16, 7.61; Oct. 10, 10.02.

13. Corrigan Lumber Co. In Cleveland, lat. 30°20', long. 95°05'. Drilled unused artesian well in sand, diameter 6 inches, depth 200 feet. Highest water level 21.90 below lsd, Apr. 5, 1950; lowest 28.40 below lsd, Jan. 26, 1945. Records available: 1945, 1948-51. Apr. 16, 24.59; Oct. 10, 25.85.

20. M. A. Ellis. Lat. 30°24', long. 95°00'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 226 feet, casing slotted opposite sands below 57. Highest water level 25.38 below lsd, Apr. 16, 1951; lowest 37.58 below lsd, Oct. 21, 1948. Records available: 1943, 1948-51. Apr. 16, 25.38; Oct. 10, 29.17.

24. J. W. Whatley. Lat. 30°22', long. 94°58'. Drilled unused water-table well in sand, diameter 8 inches, depth 52 feet. Highest water level 28.92 below lsd, Oct. 30, 1950; lowest 33.50 below lsd, Apr. 5, 1945. Records available: 1945, 1948-51. Apr. 16, 29.85; Oct. 10, 30.62.

28. Harvard Ranch. Lat. 30°13', long. 94°57'. Drilled unused artesian well in sand, diameter 4 inches, depth 204 feet. Highest water level 39.45 below lsd, Jan. 25, 1945; lowest 51.08 below lsd, Oct. 10, 1951. Records available: 1945, 1948-51. Apr. 16, 46.03; Oct. 10, 51.08.

60. C. Die. Lat. 30°25', long. 94°54'. Drilled domestic water-table well in sand, diameter 8 inches, depth 56 feet. Highest water level 47.27 below lsd, Oct. 30, 1950; lowest 48.80 below lsd, Mar. 15, 1949. Records available: 1945, 1948-51. Apr. 16, 48.09.

61. C. Die. Lat. 30°25', long. 94°53'. Drilled domestic artesian well in sand, diameter 4 inches, depth 140 feet, screen at 130-140. Highest water level 49.50 below lsd, Apr. 4, 1945; lowest 56.88 below lsd, Oct. 10, 1951. Records available: 1945, 1948-51. Apr. 16, 53.97; Oct. 10, 56.88.

71. John Griffin. Lat. 30°26', long. 94°45'. Drilled domestic artesian well in sand, diameter 4 inches, depth 165 feet. Highest water level 39.56 below lsd, Apr. 5, 1950; lowest 44.5 below lsd, Oct. 30, 1950. Records available: 1945, 1948-51. Oct. 10, 42.66.

77. W. A. Conner. Lat. 30°07', long. 94°55'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 742 feet, casing slotted opposite sands below 150 feet. Highest water level 48.33 below lsd, Apr. 19, 1945; lowest 84.72 below lsd, Oct. 9, 1951. Records available: 1945, 1948-51. Apr. 13, 66.68; Oct. 9, 84.72.

81. D. A. Reidland. Lat. 30°06', long. 94°58'. Drilled irrigation artesian well in sand, diameter 20 to 8 inches, depth 1,000 feet, casing slotted opposite sands below 120 feet. Highest water level 38.55 below lsd, Apr. 19, 1945; lowest 84.09 below lsd, Oct. 15, 1948. Records available: 1945, 1948-51. Apr. 13, 62.58.

85. E. J. Stoesser well 1. Lat. 30°04', long. 95°00'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 808 feet, casing slotted opposite sands below 135. Highest water level 55.09 below lsd, Feb. 19, 1948; lowest 95.49 below lsd, Oct. 9, 1951. Records available: 1944, 1948-51. Apr. 13, 68.82; Oct. 10, 95.49.

88. Leo Moreau. Lat. 30°02', long. 94°57'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, casing slotted opposite sands below 240. Highest water level 52.82 below lsd, Apr. 18, 1945; lowest 97.30 below lsd, Oct. 9, 1951. Records available: 1945, 1948-51. Apr. 13, 75.22; Oct. 9, 97.30.

98. Magnolia Pipe Line Co. Lat. 30°02', long. 95°01'. Drilled industrial artesian well in sand, diameter 4 inches, depth 540 feet. Highest water level 27.1 below lsd, Apr. 18, 1945; lowest 83.02 below lsd, Oct. 18, 1950. Records available: 1945, 1948-51. Apr. 17, 66.20.

124. Peoples Lumber & Supply Co. In Dayton, lat. 30°02', long. 94°53'. Drilled industrial artesian well in sand, diameter 4 inches, depth 685 feet, screen at 665-686. Highest water level 59.0 below lsd, Jan. 27, 1945; lowest 84.73 below lsd, Oct. 9, 1951. Records available: 1945, 1948-51. Apr. 13, 69.40; Oct. 9, 84.73.

125. Humble Pipe Line Co. Lat. 30°00', long. 94°53'. Drilled unused artesian well in sand, diameter 6 inches, depth 400 feet. Highest water level 49.46 below lsd, Jan. 27, 1945; lowest 73.98 below lsd, Oct. 19, 1950. Records available: 1945, 1948-51. Apr. 13, 69.59.

133. J. M. Trager. Lat. 30°01', long. 94°50'. Drilled domestic artesian well in sand, diameter 6 inches, depth 350 feet. Highest water level 7.95 below lsd, June 15, 1945; lowest 24.18 below lsd, Oct. 31, 1949. Records available: 1945, 1948-50. Measurement discontinued.

141. Russ Mitchell Co. Lat. 30°05', long. 94°54'. Drilled unused artesian well in sand, diameter 4 inches, depth 413 feet. Highest water level 48.28 below lsd, Feb. 19, 1948; lowest 93.48 below lsd, Oct. 9, 1951. Records available: 1936, 1948-51. Apr. 13, 68.78; Oct. 9, 93.48.

152. S. E. Viles. Lat. 30°09', long. 94°43'. Drilled unused artesian well in sand, diameter 4 inches, depth 228 feet. Highest water level 34.90 below lsd, June 7, 1945; lowest 52.53 below lsd, Oct. 10, 1951. Records available: 1945, 1948-51. Apr. 16, 41.06; Oct. 10, 52.53.

173. Hamill & Smith. Lat. 30°05', long. 94°38'. Drilled industrial artesian well in sand, diameter 5 inches, depth 255 feet, screen at 228-255. Highest water level 17.0 below lsd, 1938; lowest 49.60 below lsd, Oct. 10, 1951. Records available: 1938, 1948-51. Apr. 18, 34.07; Oct. 10, 49.60.

178. City of Liberty. In Liberty, lat. 30°03', long. 94°47'. Drilled unused artesian well in sand, diameter 8 inches, depth 680 feet. Highest water level 7.0 above lsd, Dec. 7, 1944; lowest 11.26 below lsd, Oct. 12, 1951. Records available: 1944, 1948-51. Apr. 17, 3.74; Oct. 12, 11.26.

179. City of Liberty well 3. In Liberty, lat. 30°03', long. 94°47'. Drilled public-supply artesian well in sand, diameter 13 to 7 inches, depth 565 feet, screen at 445-562. Highest water level 0.58 above lsd, Nov. 26, 1943; lowest 39.2 below lsd, Oct. 12, 1951. Records available: 1943-44, 1948-51. Apr. 17, 32.20; Oct. 12, 39.2.

182. City of Liberty. In Liberty, lat. 30°03', long. 94°47'. Drilled unused artesian well in sand, diameter 4 inches, depth 651 feet. Highest water level 8.0 above lsd, Nov. 7, 1944; lowest 19.84 below lsd, Oct. 12, 1951. Records available: 1944, 1948-51. Apr. 17, 12.26; Oct. 12, 19.84.

216. Devers Canal Co. Lat. 29°56', long. 94°46'. Drilled domestic artesian well in sand, diameter 3 inches, depth 176 feet, screen 170-176. Highest water level 3.60 below lsd, Dec. 8, 1944; lowest 8.23 below lsd, Oct. 9, 1951. Records available: 1944, 1948-51. Apr. 17, 7.33; Oct. 9, 8.23.

222. A. R. Milintz. Lat. 29°58', long. 94°43'. Drilled farm artesian well in sand, diameter 4 inches, depth 275 feet, screen at 261-273. Highest water level 10.73 below lsd, June 16, 1945; lowest 23.06 below lsd, Oct. 9, 1951. Records available: 1945, 1948-51. Apr. 17, 20.96; Oct. 9, 23.06.

229. V. D. Myers. Lat. 30°01', long. 94°34'. Drilled domestic artesian well in sand, diameter 2½ inches, depth 99 feet, screen at 74-79. Highest water level 6.14 below lsd, Apr. 18, 1951; lowest 13.14 below lsd, Oct. 19, 1948. Records available: 1945, 1948-51. Apr. 18, 6.14; Oct. 12, 8.66.

234. B. H. Willis Estate. Lat.  $30^{\circ}00'$ , long.  $94^{\circ}30'$ . Drilled unused artesian well in sand, diameter 6 inches, depth 180 feet. Highest water level 12.56 below lsd, Feb. 20, 1948; lowest 15.52 below lsd, Oct. 12, 1951. Records available: 1945, 1948-51. Apr. 18, 14.95; Oct. 12, 15.52.

237. Sinclair Pipe Line Co. Lat.  $30^{\circ}01'$ , long.  $94^{\circ}30'$ . Drilled domestic artesian well in sand, diameter 8 to 6 inches, depth 492 feet, screen 429-492. Highest water level 11.92 below lsd, June 20, 1945; lowest 25.29 below lsd, Oct. 12, 1951. Records available: 1945, 1948-51. Apr. 18, 19.96; Oct. 12, 25.29.

#### Lubbock County

Measurement discontinued in wells 32, 64a, 106a, 132a, 150a, 319a, 376b, 383, 402, 448a, 528b, 583, 689a, 786, 787, 847.

35a. A. M. Becton.  $NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$  sec. 138, blk. C, lat.  $33^{\circ}47'$ , long.  $101^{\circ}36'$ . Drilled irrigation water-table well in sand, diameter 14 inches, depth 365 feet. Highest water level 94.03 below lsd, Feb. 23, 1948; lowest 101.20 below lsd, Mar. 6, 1947. Records available: 1947-51. Jan. 23, 100.10.

37. Claude H. Dalton.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 149, blk. C, lat.  $33^{\circ}46'$ , long.  $101^{\circ}38'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 240 feet. Highest water level 70.96 below lsd, Feb. 22, 1944; lowest 82.47 below lsd, Jan. 23, 1951. Records available: 1937, 1939-51. Jan. 23, 82.47.

50a. L. D. Phillips.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 7, blk. D7, lat.  $33^{\circ}42'$ , long.  $101^{\circ}40'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 300 feet. Highest water level 73.50 below lsd, Mar. 6, 1947; lowest 85.33 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 85.33.

74a. J. S. George.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 37, blk. A, lat.  $33^{\circ}40'$ , long.  $101^{\circ}51'$ . Drilled stock water-table well in sand, diameter 5 inches, depth 52 feet. Highest water level 28.30 below lsd, July 28, 1941; lowest 39.05 below lsd, Jan. 19, 1951. Records available: 1938-47, 1949, 1951. Jan. 19, 39.05.

75b. J. B. Taylor.  $NW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$  sec. 35, blk. A, lat.  $33^{\circ}41'$ , long.  $101^{\circ}51'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 58.68 below lsd, Mar. 7, 1947; lowest 77.56 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 77.56.

77a. J. H. Felton.  $NE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$  sec. 35, blk. A, lat.  $33^{\circ}41'$ , long.  $101^{\circ}50'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 137 feet. Highest water level 69.83 below lsd, June 23, 1939; lowest 82.85 below lsd, Jan. 19, 1951. Records available: 1938-40, 1943-51. Jan. 19, 82.85.

81. J. E. Vickers.  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 27, blk. A, lat.  $33^{\circ}39'$ , long.  $101^{\circ}50'$ . Drilled irrigation water-table well in sand, depth 160 feet. Highest water level 39.78 below lsd, Dec. 27, 1941; lowest 46.14 below lsd, Nov. 13, 1940. Records available: 1936-50. No measurement made in 1951.

83. Billy Meyers.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 29, blk. A, lat.  $33^{\circ}39'$ , long.  $101^{\circ}52'$ . Drilled irrigation water-table well in sand. Highest water level 45.40 below lsd, Mar. 8, 1947; lowest 51.66 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 51.66.

99. R. B. Gray.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 27, blk. P, lat.  $33^{\circ}43'$ , long.  $102^{\circ}04'$ . Drilled irrigation water-table well in sand, diameter 19 inches, depth 108 feet. Highest water level 20.66 below lsd, Feb. 1, 1943; lowest 38.24 below lsd, June 21, 1938. Records available: 1937-38, 1940, 1942-51. Jan. 25, 36.00.

101. J. E. Armes. SW. corner sec. 38, blk. P, lat.  $33^{\circ}41'$ , long.  $102^{\circ}04'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 175 feet, cased to 135. Highest water level 61.64 below lsd, Nov. 18, 1940; lowest 76.90 below lsd, Jan. 25, 1951. Records available: 1937-41, 1943, 1945, 1947, 1949-51. Jan. 25, 76.90.

107. B. G. Lokey.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 27, blk. D5, lat.  $33^{\circ}41'$ , long.  $101^{\circ}59'$ . Drilled domestic water-table well in sand, diameter 6 inches, depth 75 feet. Highest water level 43.56 below lsd, Feb. 1, 1943; lowest 51.35 below lsd, Feb. 17, 1950. Records available: 1939-51. Feb. 9, 51.07.

114. G. W. McCleary.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 29, blk. JS, lat.  $33^{\circ}38'$ , long.  $101^{\circ}58'$ . Drilled irrigation water-table well in sand, diameter 15 inches, depth 143 feet. Highest water level 58.98 below lsd, Mar. 8, 1947; lowest 65.62 below lsd, Jan. 26, 1951. Records available: 1947-51. Jan. 26, 65.62.



114b. G. W. McCleary. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, blk. JS, lat. 33°38', long. 101°58'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 140 feet. Highest water level 53.24 below lsd, Mar. 8, 1947; lowest 63.10 below lsd, Jan. 26, 1951. Records available: 1947-51. Jan. 26, 63.10. Measurement discontinued.

118. T. C. James. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, blk. JS, lat. 33°36', long. 101°59'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 100 feet. Highest water level 79.56 below lsd, Feb. 4, 1944; lowest 94.28 below lsd, Jan. 25, 1951. Records available: 1936-39, 1941-51. Jan. 25, 94.28.

119a. V. L. Cade. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 2, blk. D6, lat. 33°35', long. 101°59'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 213 feet. Highest water level 78.41 below lsd, Mar. 8, 1947; lowest 89.14 below lsd, Jan. 25, 1951. Records available: 1947-51. Jan. 25, 89.14.

121. Brown. SE $\frac{1}{4}$  sec. 1, blk. D6, lat. 33°35', long. 101°58'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 208 feet, cased to 208. Highest water level 72.70 below lsd, Feb. 18, 1943; lowest 86.07 below lsd, Jan. 25, 1951. Records available: 1937-45, 1947-51. Jan. 25, 86.07.

123. R. C. Robbs. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. JS, lat. 33°35', long. 101°57'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 61.20 below lsd, Feb. 18, 1943; lowest 75.95 below lsd, Feb. 28, 1949. Records available: 1936-51. Jan. 25, 75.73.

132. J. W. Ross, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, blk. E2, lat. 33°35', long. 101°55'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 202 feet. Highest water level 46.69 below lsd, Mar. 20, 1947; lowest 57.20 below lsd, Jan. 25, 1951. Records available: 1947-51. Jan. 25, 57.20.

138. S. F. Faulkner. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. JS, lat. 33°37', long. 101°57'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 120 feet. Highest water level 34.54 below lsd, Feb. 1, 1943; lowest 47.78 below lsd, Feb. 9, 1951. Records available: 1937-43, 1945-51. Feb. 9, 47.78.

139. J. W. Ellis. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, blk. JS, lat. 33°38', long. 101°56'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 120 feet. Highest water level 21.43 below lsd, Feb. 21, 1943; lowest 34.21 below lsd, Jan. 26, 1951. Records available: 1937-51. Jan. 26, 34.21.

151. R. C. Hopping. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, blk. A, lat. 33°37', long. 101°54'. Drilled domestic water-table well in sand, diameter 6 inches, depth 51 feet. Highest water level 19.31 below lsd, Feb. 1, 1943; lowest 39.97 below lsd, Jan. 26, 1951. Records available: 1937-51. Jan. 26, 39.97. Measurement discontinued.

154. John King. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 22, blk. A, lat. 33°35', long. 101°54'. Drilled unused water-table well in sand, diameter 18 inches, depth 160 feet. Highest water level 34.82 below lsd, Feb. 18, 1943; lowest 51.14 below lsd, Jan. 25, 1951. Records available: 1937-47, 1949-51. Jan. 25, 51.14.

156. J. M. Phillips. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, blk. A, lat. 33°36', long. 101°53'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 152 feet, cased to 80. Highest water level 37.81 below lsd, Feb. 1, 1943; lowest 62.46 below lsd, Jan. 26, 1951. Records available: 1936-51. Jan. 26, 62.46.

188. State Experiment Station No. 8. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, blk. O, lat. 33°35', long. 101°47'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 185 feet, cased to 124, slotted at 74-124. Highest water level 74.29 below lsd, Mar. 1, 1945; lowest 80.10 below lsd, Mar. 3, 1949. Records available: 1937-42, 1944-51. Jan. 23, 78.11.

216. Darby. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. RG, lat. 33°36', long. 101°40'. Drilled farm water-table well in sand, diameter 6 inches, depth 78 feet. Highest water level 46.62 below lsd, Feb. 22, 1944; lowest 53.15 below lsd, Feb. 23, 1949. Records available: 1937, 1944-51. Jan. 23, 51.92.

219. E. N. Harrison. NW. corner sec. 5, blk. RG, lat. 33°38', long. 101°41'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 193 feet, cased to 108. Highest water level 33.78 below lsd, Jan. 28, 1943; lowest 47.13 below lsd, Feb. 23, 1949. Records available: 1937-50. No measurement made in 1951.

222. R. T. Groves. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. RG, lat. 33°38', long. 101°39'. Drilled unused water-table well in sand, diameter 12 inches, depth 250 feet. Highest water level 47.50 below lsd, Feb. 8, 1944; lowest 57.52 below lsd, Jan. 23, 1951. Records available: 1937-51. Jan. 23, 57.52.

223. W. C. Grimes. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, blk. PG, lat. 33°37', long. 101°38'. Drilled unused water-table well in sand, diameter 6 inches, depth 64 feet. Highest water level 47.65 below lsd, Oct. 10, 1939; lowest 41.78 below lsd, Jan. 23, 1951. Records available: 1937-51. Jan. 23, 41.78.

234a. R. A. Boyd. SW $\frac{1}{4}$  lab. 12, lge. 4, S. A. C. S. L., lat. 33°34', long. 101°38'. Drilled irrigation water-table well in sand, depth 160 feet. Highest water level 58.06 below lsd, Mar. 11, 1947; lowest 62.35 below lsd, Feb. 14, 1950. Records available: 1947-51. Jan. 23, 60.82.

301. Mrs. Francis Neutzler. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 68, blk. S, lat. 33°28', long. 101°47'. Drilled farm water-table well in sand, diameter 6 inches, depth 70 feet. Highest water level 49.58 below lsd, Feb. 7, 1944; lowest 59.44 below lsd, Mar. 3, 1949. Records available: 1937, 1939-41, 1943-50. No measurement made in 1951.

314. C. M. Bender. SW. corner SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, blk. B, lat. 33°33', long. 101°54'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet, cased to 101, slotted at 41-101. Highest water level 43.12 below lsd, Feb. 27, 1945; lowest 52.92 below lsd, Feb. 15, 1950. Records available: 1937-51. Jan. 30, 51.75.

316. E. A. Hankins. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, blk. E2, lat. 33°33', long. 101°55'. Drilled irrigation water-table well in sand, diameter 13 inches, depth 123 feet, cased to 123. Highest water level 60.37 below lsd, Mar. 2, 1946; lowest 64.33 below lsd, Feb. 17, 1950. Records available: 1937-39, 1942-43, 1946-47, 1949-50. Measurement discontinued.

331a. James Locker. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, blk. CB, lat. 33°27', long. 102°01'. Drilled unused water-table well in sand. Highest water level 70.60 below lsd, Feb. 10, 1944; lowest 79.22 below lsd, Jan. 30, 1951. Records available: 1938-45, 1947-51. Jan. 30, 79.22.

338. George Langford. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, blk. A, lat. 33°32', long. 101°59'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 174 feet. Highest water level 64.91 below lsd, Mar. 21, 1947; lowest 74.66 below lsd, Jan. 30, 1951. Records available: 1947-51. Jan. 30, 74.66.

339. J. E. Hinson. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, blk. AK, lat. 33°32', long. 101°58'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 162 feet, cased to 15. Highest water level 59.50 below lsd, Feb. 21, 1945; lowest 71.31 below lsd, Jan. 30, 1951. Records available: 1937, 1939-51. Jan. 30, 71.31.

355. J. A. Medlock. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, blk. CB, lat. 33°29', long. 102°03'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 188 feet. Highest water level 82.03 below lsd, Feb. 27, 1945; lowest 88.00 below lsd, Jan. 30, 1951. Records available: 1937-51. Jan. 30, 88.00.

369. J. P. Clark. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, blk. 20, lat. 33°26', long. 101°51'. Drilled farm water-table well in sand, diameter 6 inches, depth 98 feet. Highest water level 74.40 below lsd, Feb. 16, 1943; lowest 88.15 below lsd, Jan. 24, 1951. Records available: 1936, 1938, 1940, 1942-51. Jan. 24, 88.15. Measurement discontinued.

371a. L. E. Evans. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 110, blk. 20, lat. 33°25', long. 101°48'. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 86.32 below lsd, Mar. 10, 1947; lowest 94.27 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 94.27.

372. W. P. Martin. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 13, blk. 20, lat. 33°23', long. 101°48'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 135 feet. Highest water level 88.05 below lsd, Jan. 21, 1938; lowest 96.81 below lsd, Jan. 24, 1951. Records available: 1937-38, 1944-45, 1947, 1949-51. Jan. 24, 96.81. Measurement discontinued.

375a. V. P. Henrich. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, blk. 20, lat. 33°24', long. 101°44'. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 78.40 below lsd, Mar. 11, 1947; lowest 86.17 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 86.17.

379c. H. F. Schilling. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, blk. 24, lat. 33°24', long. 101°41'. Drilled irrigation water-table well in sand. Highest water level 62.37 below lsd, Mar. 11, 1947; lowest 73.50 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 73.50.

389. E. Scott Jones. Center NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, blk. B, lat. 33°34', long. 101°54'. Drilled farm water-table well in sand, diameter 6 inches, depth 55 feet. Highest water level 18.70 below lsd, Dec. 18, 1942; lowest 36.83 below lsd, Mar. 7, 1949. Records available: 1937-45, 1949-50. Measurement discontinued.

392. Mrs. Betty Lindsey and others. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, blk. D6, lat. 33°34', long. 102°04'. Drilled stock water-table well in sand, diameter 6 inches, depth 95 feet. Highest water level 89.72 below lsd, Feb. 28, 1946; lowest 94.40 below lsd, Feb. 16, 1950. Records available: 1937-39, 1942-51. Jan. 26, 89.80.
395. H. W. Stanton. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 16, blk. A, lat. 33°37', long. 101°51'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 125 feet. Highest water level 40.36 below lsd, Feb. 8, 1944; lowest 54.83 below lsd, Feb. 28, 1949. Records available: 1937-45, 1948-50. Measurement discontinued.
398. E. E. Ireland. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, blk. D5, lat. 33°39', long. 101°57'. Drilled irrigation water-table well in sand, diameter 40 to 10 inches, depth 56 feet. Highest water level 10.29 below lsd, Feb. 1, 1943; lowest 20.40 below lsd, Jan. 26, 1951. Records available: 1937-47, 1949-51. Jan. 26, 20.40.
421. E. E. Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, blk. JS, lat. 33°39', long. 101°58'. Drilled irrigation water-table well in sand. Highest water level 37.46 below lsd, Mar. 20, 1947; lowest 47.41 below lsd, Jan. 26, 1951. Records available: 1947-49, 1951. Jan. 26, 47.41.
- 448b. C. R. Nix. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, blk. D7, lat. 33°45', long. 101°49'. Drilled irrigation water-table well in sand. Highest water level 99.43 below lsd, Mar. 7, 1947; lowest 119.91 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 119.91.
- 448c. C. R. Nix. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, blk. D7, lat. 33°45', long. 101°49'. Drilled irrigation water-table well in sand. Highest water level 99.47 below lsd, Mar. 7, 1947; lowest 113.57 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 113.57.
473. F. H. Cannon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 147, blk. C, lat. 33°47', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 300 feet, cased to 290, slotted at 90-290. Highest water level 92.48 below lsd, Feb. 23, 1948; lowest 101.42 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 101.42.
- 473a. G. K. Bullock. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 146, blk. C, lat. 33°47', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 342 feet. Highest water level 89.48 below lsd, Mar. 6, 1947; lowest 100.20 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 100.20.
490. George D. Whiting. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 148, blk. C, lat. 33°45', long. 101°38'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 250 feet, cased to 250, slotted below 85. Highest water level 84.36 below lsd, Feb. 18, 1948; lowest 92.44 below lsd, Mar. 7, 1947. Records available: 1947-51. Jan. 23, 91.38.
492. Donald Bledsoe. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 149, blk. C, lat. 33°45', long. 101°38'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 257 feet, cased to 257. Highest water level 75.83 below lsd, Mar. 12, 1947; lowest 85.41 below lsd, Jan. 23, 1951. Records available: 1944, 1947-51. Jan. 23, 85.41.
497. A. B. Steen. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D7, lat. 33°44', long. 101°39'. Drilled irrigation water-table well in sand. Highest water level 89.03 below lsd, Feb. 18, 1948; lowest 93.95 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 93.95.
498. V. C. and Ed Snodgrass. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 151, blk. C, lat. 33°44', long. 101°38'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 262 feet, cased to 257, slotted at 85-250. Highest water level 84.43 below lsd, Feb. 22, 1944; lowest 96.96 below lsd, Jan. 23, 1951. Records available: 1941, 1944-45, 1947-51. Jan. 23, 96.96.
509. E. A. Hendrick. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 94, blk. C, lat. 33°42', long. 101°35'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 247 feet, cased to 247, slotted at 107-247. Highest water level 83.22 below lsd, Feb. 18, 1948; lowest 91.59 below lsd, Jan. 23, 1951. Records available: 1941, 1947-51. Jan. 23, 91.59.
514. E. A. Hendrick. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 94, blk. C, lat. 33°41', long. 101°35'. Drilled irrigation water-table well in sand, depth 245 feet. Highest water level 83.04 below lsd, Mar. 6, 1947; lowest 91.75 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 91.75.
515. E. A. Hendrick. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 94, blk. C, lat. 33°42', long. 101°34'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 244 feet, cased to 244. Highest water level 87.09 below lsd, Mar. 6, 1947; lowest 96.27 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 96.27.
- 528a. Aubrey Pounds. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 127, blk. C, lat. 33°37', long. 101°37'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 276 feet. Highest water level 64.0 below lsd, Mar. 11, 1947; lowest 70.80 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 70.80.

560. G. L. Manning. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 39, blk. D7, lat. 33°40', long. 101°42'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 206 feet. Highest water level 52.77 below lsd, Feb. 18, 1948; lowest 60.70 below lsd, Jan. 25, 1951. Records available: 1947-51. Jan. 25, 60.70.

571. H. W. Lasater. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, blk. RG, lat. 33°37', long. 101°40'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 170 feet, cased to 170. Highest water level 38.70 below lsd, Nov. 21, 1944; lowest 45.90 below lsd, Jan. 23, 1951. Records available: 1944, 1947-51. Jan. 23, 45.90.

583a. Douglas Pounds. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 160, blk. C, lat. 33°36', long. 101°38'. Drilled irrigation water-table well in sand. Highest water level 47.86 below lsd, Mar. 11, 1947; lowest 52.12 below lsd, Feb. 18, 1948. Records available: 1947-51. Jan. 23, 49.72.

595. C. C. Sherrod. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. A, lat. 33°36', long. 101°43'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 133 feet. Highest water level 56.21 below lsd, Feb. 19, 1948; lowest 64.75 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 64.75.

601. Robert S. Collins. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, blk. A, lat. 33°36', long. 101°46'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 132 feet, cased to 121. Highest water level 64.24 below lsd, Feb. 19, 1948; lowest 71.66 below lsd, Feb. 9, 1951. Records available: 1947-51. Feb. 9, 71.66.

609. H. M. Kinnard, Jr. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 45, blk. A, lat. 33°38', long. 101°46'. Drilled irrigation water-table well in sand. Highest water level 36.51 below lsd, Mar. 12, 1947; lowest 46.60 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 46.60.

630a. Cecil Brashear. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 61, blk. A, lat. 33°42', long. 101°44'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 176 feet. Highest water level 68.54 below lsd, Feb. 19, 1948; lowest 74.99 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 74.99.

644a. G. L. Manning. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. D3, lat. 33°40', long. 101°48'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 184 feet. Highest water level 67.02 below lsd, Mar. 7, 1947; lowest 78.23 below lsd, Jan. 25, 1951. Records available: 1947-51. Jan. 25, 78.23. Measurement discontinued.

650. Elmer Edwards. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, blk. D3, lat. 33°40', long. 101°47'. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 67.09 below lsd, Mar. 7, 1947; lowest 77.65 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 77.65.

690. O. C. Horne. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. D4, lat. 33°38', long. 101°52'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 120 feet, cased to 120. Highest water level 44.70 below lsd, Mar. 8, 1947; lowest 52.33 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 52.33.

702. L. E. McMenemy. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. D2, lat. 33°41', long. 101°54'. Drilled irrigation water-table well in sand, diameter 19 to 13 inches, depth 170 feet, cased to 170. Highest water level 80.23 below lsd, Mar. 7, 1947; lowest 86.10 below lsd, Feb. 9, 1951. Records available: 1947-51. Feb. 9, 86.10.

734. E. E. Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, blk. JS, lat. 33°38', long. 101°58'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 158 feet. Highest water level 44.01 below lsd, Mar. 20, 1947; lowest 54.84 below lsd, Jan. 26, 1951. Records available: 1947-51. Jan. 26, 54.84.

766. Lloyd Huffaker. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. D6, lat. 33°35', long. 102°01'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 189 feet, cased to 189. Highest water level 84.61 below lsd, Mar. 8, 1947; lowest 93.50 below lsd, Jan. 25, 1951. Records available: 1947-51. Jan. 25, 93.50.

766a. Lloyd Huffaker. SE $\frac{1}{4}$  sec. 3, blk. D6, lat. 33°35', long. 102°00'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 205 feet. Highest water level 86.69 below lsd, Mar. 8, 1947; lowest 91.30 below lsd, Jan. 25, 1951. Records available: 1947-51. Jan. 25, 91.30.

775a. M. L. Sheppard. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. D6, lat. 33°32', long. 102°02'. Drilled irrigation water-table well in sand, diameter 16 inches. Highest water level 77.01 below lsd, Mar. 10, 1947; lowest 87.30 below lsd, Jan. 30, 1951. Records available: 1947-51. Jan. 30, 87.30.

776. S. B. Nelson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 10, blk. D6, lat. 33°32', long. 102°01'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 172 feet, cased to 172. Highest water level 78.08 below lsd, Mar. 8, 1947; lowest 89.43 below lsd, Jan. 30, 1951. Records available: 1947-51. Jan. 30, 89.43.

776a. S. B. Nelson. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D6, lat. 33°32', long. 102°00'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 194 feet. Highest water level 75.31 below lsd, Mar. 8, 1947; lowest 86.25 below lsd, Jan. 30, 1951. Records available: 1947-51. Jan. 30, 86.25. Measurement discontinued.

787a. R. S. Hobgood. NW $\frac{1}{4}$  sec. 130, blk. 20, lat. 33°26', long. 102°02'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 192 feet. Highest water level 85.03 below lsd, Mar. 10, 1947; lowest 91.74 below lsd, Jan. 30, 1951. Records available: 1947-51. Jan. 30, 91.74. Measurement discontinued.

818a. J. B. Patterson. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. 20, lat. 33°23', long. 101°46'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 199 feet. Highest water level 92.05 below lsd, Mar. 10, 1947; lowest 100.14 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 100.14.

820a. F. H. Griffin. SW. corner sec. 8, blk. 20, lat. 33°24', long. 101°47'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 208 feet. Highest water level 88.60 below lsd, Mar. 5, 1945; lowest 99.22 below lsd, Jan. 24, 1951. Records available: 1945, 1947-51. Jan. 24, 99.22.

839. Plez McMurlen. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, blk. E., lat. 33°27', long. 101°52'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 150 feet. Highest water level 77.68 below lsd, Feb. 16, 1943; lowest 90.59 below lsd, Jan. 24, 1951. Records available: 1942-43, 1945, 1947-51. Jan. 24, 90.59.

843a. Ed. Gordon. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 14, blk. E, lat. 33°29', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 155 feet. Highest water level 74.37 below lsd, Mar. 21, 1947; lowest 79.90 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 79.90.

853a. Glenn M. Wages. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. S, lat. 33°32', long. 101°47'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 112 feet. Highest water level 47.13 below lsd, Mar. 11, 1947; lowest 49.47 below lsd, Jan. 24, 1951. Records available: 1947-51. Jan. 24, 49.47.

868a. W. T. Lemon. SW. corner NW $\frac{1}{4}$  sec. 75, blk. S, lat. 33°27', long. 101°47'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 170 feet. Highest water level 71.74 below lsd, Mar. 2, 1948; lowest 75.44 below lsd, Mar. 3, 1949. Records available: 1947-50. No measurement made in 1951.

868b. W. T. Lemon. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 75, blk. S, lat. 33°27', long. 101°47'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 163 feet. Highest water level 81.06 below lsd, Mar. 10, 1947; lowest 88.94 below lsd, Mar. 3, 1949. Records available: 1947-50. No measurement made in 1951.

887b. Earl Rogers. NE $\frac{1}{4}$  lab. 28, lge. 4, S. A. C. S. L., lat. 33°33', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 147 feet. Highest water level 70.15 below lsd, Mar. 11, 1947; lowest 72.03 below lsd, Feb. 23, 1949. Records available: 1947-51. Jan. 23, 71.83.

#### Lynn County

701. E. E. Fagg. NE $\frac{1}{4}$  sec. 41, blk. 8, lat. 33°00', long. 101°48'. Drilled farm water-table well in sand, diameter 6 inches, depth 72 feet. Highest water level 63.35 below lsd, Mar. 30, 1949; lowest 66.43 below lsd, Sept. 24, 1937. Records available: 1937-39, 1942-44, 1949-51. Feb. 7, 63.56.

703. Levi Gray. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 34, blk. 8, lat. 33°00', long. 101°48'. Drilled farm water-table well in sand, diameter 6 inches, depth 75 feet. Highest water level 62.10 below lsd, Mar. 30, 1949; lowest 64.38 below lsd, July 12, 1937. Records available: 1937-40, 1949-51. Feb. 7, 62.55.

709. M. M. Davis. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 208, blk. 4, lat. 33°05', long. 101°47'. Drilled water-table well in sand, diameter 36 inches, depth 24 feet. Highest water level 3.36 below lsd, July 12, 1937; lowest 22.42 below lsd, Mar. 30, 1949. Records available: 1937-40, 1949-51. Feb. 7, 2.92.

711. Carl Griffin. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 207, blk. 4, lat. 33°06', long. 101°48'. Dug farm water-table well in sand, diameter 36 inches, depth 24 feet. Highest water level 7.20 below lsd, Sept. 23, 1937; lowest 18.83 below lsd, Mar. 30, 1949. Records available: 1937-38, 1949-51. Feb. 7, 17, 22.

#### Matagorda County

3. Southern Pacific Railroad Co. Lat. 28°56', long. 96°13'. Drilled unused artesian well in Lissie formation, diameter 10 inches, depth 326 feet. Highest water level 5.13 below lsd, Mar. 11, 1948; lowest 13.36 below lsd, Apr. 5, 1951. Records available: 1934, 1938-41, 1943-46, 1948-51. Apr. 5, 13.36. Measurement discontinued.

33. Turtle Bay School. Lat. 28°43', long. 96°17'. Drilled unused artesian well in Lissie formation, diameter 2 inches, depth 361 feet. Highest water level 1.99 above lsd, May 4, 1938; lowest 21.23 below lsd, Apr. 4, 1951. Records available: 1938-46, 1948-51. Apr. 4, 21.23.

40. City of Palacios. Lat. 28°42', long. 96°12'. Drilled unused artesian well in Lissie formation, diameter 12 inches, depth 590 feet. Highest water level 4.53 above lsd, May 3, 1938; lowest 16.97 below lsd, Apr. 4, 1951. Records available: 1934, 1938-46, 1948-51. Apr. 4, 16.97.

#### Maverick County

Measurement discontinued in wells M3-6 and M3-7.

M3-7a. M. Rambie. Lat. 28°55', long. 100°06'. Drilled farm artesian well in Carrizo sand, diameter 5 inches, depth 50 feet. Highest water level 42.37 below lsd, July 12, 1946; lowest 46.48 below lsd, Sept. 17, 1951. Records available: 1946-51. Sept. 17, 46.48.

#### Medina County

I-2-7. Alfred Schlentz. Lat. 29°27', long. 99°11'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 400 feet. Land-surface datum is 971.93 feet above msl. Highest water level 168.82 below lsd, July 8, 1937; lowest 244.0 below lsd, May 17, 1930. Records available: 1930, 1934, 1937-45, 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	216.26	May 9	224.62	Aug. 2	234.79	Nov. 2	232.74
Feb. 5	221.57	June 1	217.96	Sept. 6	228.10	Dec. 4	233.42
Mar. 8	224.62	July 3	224.28	Oct. 3	229.47		

I-3-3. Gus Britch. Lat. 29°24', long. 99°07'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 300 feet. Land-surface datum is 933.54 feet above msl. Highest water level 120.59 below lsd, Nov. 2, 1949; lowest 229.94 below lsd, Mar. 14, 1951. Records available: 1930, 1934, 1937-51.

Jan. 10	221.46	May 10	125.17	Sept. 7	224.16	Oct. 31	224.16
Feb. 2	217.66	June 1	186.40	Oct. 3	223.11	Dec. 4	227.2 <sup>7</sup>
Mar. 14	229.94	Aug. 1	221.43				

I-3-4. H. W. McClain. Lat. 29°26', long. 99°06'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 237 feet. Land-surface datum is 944.17 feet above msl. Highest water level 157.83 below lsd, July 8, 1937; lowest 224.15 below lsd, Dec. 4, 1951. Records available: 1930, 1934, 1937-38, 1940-51.

Jan. 12	205.27	May 10	210.05	Aug. 1	214.93	Oct. 31	220.07
Feb. 2	207.64	June 1	208.46	Sept. 7	217.83	Dec. 4	224.15
Mar. 14	210.40	July 9	212.73	Oct. 3	218.59		

I-4-18. Ross Kennedy Estate. Lat. 29°19', long. 99°24'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 1,600 feet. Land-surface datum is 967.32 feet above msl. Highest water level 191.31 below lsd, July 8, 1937; lowest 257.34 below lsd, Dec. 4, 1951. Records available: 1930, 1934, 1937-51.

Jan. 13	242.28	May 12	246.59	Aug. 1	250.74	Nov. 2	256.62
Feb. 6	244.82	June 4	246.78	Sept. 11	255.37	Dec. 4	257.34
Mar. 13	245.65	July 6	250.29	Oct. 3	254.37		

I-4-29. Will Kelly. Lat. 29°15', long. 99°20'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 1,303 feet. Land-surface datum is 949.96 feet above msl. Highest water level 180.92 below lsd, July 8, 1937; lowest 246.44, Dec. 4, 1951. Records available: 1930, 1934, 1937-38, 1940-51.

## I-4-29--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	230.81	May 12	236.40	Sept. 11	244.12	Nov. 2	245.05
Feb. 6	232.57	June 4	234.92	Oct. 3	242.84	Dec. 4	246.44
Mar. 15	234.63	Aug. 1	240.46				

I-4-30. Ray McGlauphlin. Formerly Virgil Johnson. Lat. 29°10', long. 99°19'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 2,000 feet. Land-surface datum is 784.14 feet above msl. Highest water level 18.15 below lsd, Nov. 12, 1941; lowest 85.74 below lsd, Nov. 2, 1951. Records available: 1930, 1934, 1937-38, 1940-51.

Jan. 8	66.35	May 12	71.22	Aug. 1	75.06	Nov. 2	85.74
Feb. 6	68.31	June 4	69.58	Sept. 11	70.76	Dec. 4	84.67
Mar. 13	70.43	July 6	76.46	Oct. 3	77.68		

XM-3. John Krenmueller. Lat. 29°20', long. 98°59'. Drilled domestic water-table well in limestone, diameter 5 inches, depth 110 feet. Highest water level 59.31 below lsd, Feb. 23, 1950; lowest 71.75 below lsd, July 10, 1951. Records available: 1937-45, 1947-51.

Jan. 6	67.96	May 11	64.76	Aug. 2	68.72	Oct. 31	65.70
Feb. 9	68.69	June 1	63.98	Sept. 11	67.89	Dec. 3	67.47
Mar. 14	69.44	July 10	71.75	Oct. 3	65.61		

Montgomery County

22. City of Conroe. In Conroe, lat. 30°18', long. 95°27'. Drilled unused artesian well in sand, diameter 8 inches, depth 1,464 feet, screen at 1,125-1,272. Highest water level 1.08 above lsd, May 29, 1944; lowest 11.83 below lsd, Aug. 21, 1940. Records available: 1931, 1939-51. Mar. 5, 4.73; June 19, 11.53; Sept. 20, 10.24; Dec. 11, 8.42.

29. Brown Estate. Lat. 30°17', long. 95°27'. Dug farm water-table well in sand, diameter 4 feet, depth 30 feet, cased with brick to 8. Highest water level 13.48 below lsd, Jan. 31, 1947; lowest 25.86 below lsd, Nov. 24, 1934. Records available: 1931-36, 1938-51. Mar. 5, 24.18; June 19, 24.54; Sept. 20, 25.25; Dec. 11, 25.72.

45. Blair & Sons. At Tamina, lat. 30°10', long. 95°26'. Dug farm water-table well in sand, diameter 24 inches, depth 30 feet, cased with concrete to 30. Highest water level 10.50 below lsd, Mar. 17, 1947; lowest 26.78 below lsd, Aug. 21, 1935. Records available: 1931-36, 1938-51. Mar. 5, 16.09; June 19, 14.83; Sept. 20, 15.03; Dec. 11, 15.40.

46. E. W. Castleschouldt. Lat. 30°10', long. 95°27'. Dug farm water-table well in sand, diameter 24 inches, depth 35 feet, cased with concrete to 35. Highest water level 27.46 below lsd, Feb. 14, 1950; lowest 31.96 below lsd, Aug. 25, 1940. Records available: 1931-36, 1938-51. Mar. 5, 28.05; June 19, 28.40; Sept. 20, 28.48; Dec. 11, 28.66.

57. R. E. Hix and J. W. Bolinghouse. Lat. 30°20', long. 95°28'. Dug farm water-table well in sand, diameter 36 inches, depth 48 feet, cased with concrete to 48. Highest water level 37.94 below lsd, June 4, 1947; lowest 44.40 below lsd, Oct. 3, 1940. Records available: 1940-51. June 19, 42.32; Sept. 20, 42.98; Dec. 11, 43.34.

140. J. M. Liles, test hole R-2. Lat. 30°19', long. 95°27'. Drilled observation water-table well in sand, diameter 1½ inches, depth 21 feet, screen at 19-21. Highest water level 0.63 below lsd, Jan. 28, 1944; lowest 12.13 below lsd, Oct. 4, 1940. Records available: 1940-51. Mar. 5, 11.57; June 19, 11.75; Sept. 20, 12.09; Dec. 11, 13.09.

Nacogdoches County

18. City of Cushion. In Cushion, lat. 31°48', long. 94°50'. Drilled public-supply artesian well in Carrizo sand, diameter 6 inches, depth 320 feet, screen at 280-320. Land-surface datum is 409 feet above msl. Highest water level 113.84 below lsd, Apr. 21, 1942; lowest 125.62 below lsd, Sept. 4, 1951. Records available: 1942-45, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1945	116.40	Nov. 1, 1949	118.94	July 11, 1950	117.34	Feb. 14, 1951	120.18
July 21, 1948	119.45	Dec. 1	118.84	Sept. 14	119.53	Mar. 23	120.20
Feb. 10, 1949	117.54	Jan. 11, 1950	118.94	Oct. 10	119.40	Apr. 21	119.65
June 9	117.75	Feb. 15	117.29	Nov. 9	119.67	May 23	119.16
July 21	118.76	Apr. 17	117.55	Dec. 5	120.13	June 27	121.06
Aug. 31	118.94	June 2	117.15	Jan. 16, 1951	119.13	Sept. 4	125.62

113a. Wm. McCruistian. Lat. 31°41', long. 94°38'. Drilled farm artesian well in Carrizo sand, diameter 9 to 6 inches, depth 400 feet. Highest water level 72.02 below lsd, June 12, 1938; lowest 91.96 below lsd, May 23, 1951. Records available: 1937-45, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20, 1948	83.36	Oct. 25, 1949	88.86	July 11, 1950	89.46	Jan. 16, 1951	90.85
Feb. 10, 1949	86.07	Dec. 1	89.40	Aug. 10	89.82	Feb. 14	97.88
May 13	86.55	Jan. 11, 1950	89.33	Sept. 14	89.93	Mar. 23	91.07
June 9	89.07	Feb. 15	89.59	Oct. 10	90.39	Apr. 21	90.65
July 21	88.78	Apr. 17	89.15	Nov. 9	92.87	May 23	91.96
Aug. 31	89.50	June 2	88.65	Dec. 5	91.00		

121. City of Nacogdoches well 2. At water works in Nacogdoches, lat. 31°26', long. 94°39'. Drilled public-supply artesian well in Carrizo sand, diameter 20 to 8 inches, depth 500 feet. Highest water level 19.37 below lsd, June 17, 1937; lowest 179.31 below lsd, July 19, 1951. Records available: 1937, 1939-44, 1948-51. July 22, 1948, 119.70; June 23, 1949, 146.10; July 24, 1950, 162.80; July 19, 1951, 179.31.

122. City of Nacogdoches well 1. At waterworks in Nacogdoches, lat. 31°36', long. 94°39'. Drilled public-supply well in Carrizo sand, diameter 20 to 8 inches, depth 485 feet. Highest water level 18.04 below lsd, June 17, 1937; lowest 171.41 below lsd, July 19, 1951. Records available: 1937, 1939-44, 1948-51. July 22, 1948, 118.29; June 23, 1949, 143.74; July 24, 1950, 154.45; July 19, 1951, 171.41.

127. J. T. Hall. Lat. 31°39', long. 94°39'. Drilled unused artesian well in Carrizo sand, diameter 4 inches, depth 2,007 feet, cased to 1,400 perforated at 540. Highest water level 144.60 below lsd, Feb. 22, 1943; lowest 205.62 below lsd, July 17, 1951. Records available: 1943-45, 1948-51. July 20, 1948, 179.37; June 22, 1949, 188.38; July 24, 1950, 196.39; July 17, 1951, 205.62.

178. Shell Pipe Line Co. Lat. 31°26', long. 94°53'. Drilled industrial artesian well in Carrizo sand, diameter 5 inches, depth 500 feet. Highest water level 81.31 below lsd, Apr. 7, 1940; lowest 138.55 below lsd, July 17, 1951. Records available: 1940-45, 1948-51. July 20, 1948, 119.62; Feb. 10, 1949, 124.77; June 13, 1949, 126.33; Apr. 17, 1950, 131.20; July 24, 1950, 132.77; July 17, 1951, 138.55.

271. L. C. Jacobs. Lat. 31°29', long. 94°31'. Drilled oil test converted to stock artesian well in Carrizo sand, diameter 6 inches, depth 400 feet. Highest water level 48.0 above lsd, July 13, 1940; lowest 53.66 below lsd, July 17, 1951. Records available: 1940-44, 1948-51. July 20, 1948, 13.52; Feb. 10, 1949, 27.30; June 9, 1949, 32.93; May 19, 1950, 41.69; July 24, 1950, 44.09; July 17, 1951, 53.66.

322. Southland Paper Mills, Inc., well C7-0. Lat. 31°27', long. 94°40'. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 718 feet, screen at 664-669. Land-surface datum is 200.7 feet above msl. Highest water level 6.72 above lsd, Sept. 11, 1941; lowest 194.18 below lsd, July 12, 1951. Records available: 1941-51. Mar. 9, 193.24; July 12, 194.18.

325. Southland Paper Mills, Inc., well C9-0. Lat. 31°27', long. 94°34'. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 678 feet, screen at 655-670. Land-surface datum is 298.0 feet above msl. Highest water level 79.86 below lsd, Oct. 22, 1941; lowest 214.77 below lsd, Dec. 13, 1951. Records available: 1941-51. Mar. 9, 208.86; July 12, 211.60; Dec. 13, 214.77.

331. Southland Paper Mills, Inc., well W4-0. Lat. 31°29', long. 94°42'. Drilled observation artesian well in Wilcox group, diameter 2 inches, depth 984 feet, screen 805-810. Land-surface datum is 270.90 feet above msl. Highest water level 38.84 below lsd, Dec. 2, 1941; lowest 155.12 below lsd, July 12, 1951. Records available: 1941-51. Mar. 9, 151.17; July 12, 155.12.

#### Parmer County

No measurement in well 44.

4. H. McMillan. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 16 S., lat. 34°20', long. 102°57'. Drilled farm water-table well in sand, diameter 4 inches, depth 136 feet. Highest water level 115.09 below lsd, Mar. 17, 1949; lowest 124.25 below lsd, June 22, 1937. Records available: 1937, 1949-51. Jan. 21, 115.85.

6. Mrs. K. Hamlin. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T. 16 S., lat. 34°22', long. 102°59'. Drilled farm water-table well in sand, diameter 4 inches, depth 175 feet. Highest water level 153.05 below lsd, Feb. 13, 1950; lowest 157.19 below lsd, Sept. 15, 1937. Records available: 1937-38, 1942-45, 1948-51. Jan. 21, 155.40.



9. J. T. Coburn. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 9 S., lat. 34°26', long. 102°58'. Drilled farm water-table well in sand, diameter 5 inches, depth 220 feet. Highest water level 209.55 below lsd, Mar. 17, 1949; lowest 215.05 below lsd, Jan. 21, 1951. Records available: 1937-39, 1948-50. Jan. 21, 215.05.

10. J. M. Gunn. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 7 S., lat. 34°29', long. 102°54'. Drilled farm water-table well in sand, diameter 4 inches, depth 192 feet. Highest water level 167.13 below lsd, Feb. 14, 1950; lowest 169.59 below lsd, Oct. 26, 1937. Records available: 1937-38, 1948-51. Jan. 21, 168.42.

11a. T. J. Hawks. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, Davis survey, lat. 34°42', long. 102°34'. Drilled farm water-table well in sand, diameter 14 inches, depth 160 feet. Highest water level 117.24 below lsd, Mar. 30, 1939; lowest 121.81 below lsd, Mar. 15, 1948. Records available: 1938-39, 1948-50. No measurement made in 1951.

12. Capitol Syndicate. NE. part of sec. 11, T. 7 S., lat. 34°32', long. 102°51'. Drilled farm water-table well in sand, diameter 4 inches, depth 235 feet. Highest water level 161.85 below lsd, Mar. 17, 1948; lowest 168.95 below lsd, Jan. 12, 1938. Records available: 1937-38, 1948-51. Jan. 21, 162.78.

15. A. C. Hays. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T. 1 N., R. 5 E., lat. 34°40', long. 102°35'. Drilled unused water-table well in sand, diameter 9 inches, depth 165 feet. Highest water level 138.22 below lsd, Feb. 18, 1944; lowest 141.15 below lsd, Jan. 21, 1951. Records available: 1937-39, 1942, 1947-51. Jan. 21, 141.15.

20. J. W. Cobb. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 7, Harrah survey, lat. 34°29', long. 102°33'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 185 feet. Highest water level 107.51 below lsd, Mar. 27, 1947; lowest 113.56 below lsd, Feb. 20, 1950. Records available: 1947-51. Jan. 21, 112.48.

323. W. L. Clappitt. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 15 S., lat. 34°20', long. 102°55'. Drilled farm water-table well in sand, diameter 3 inches, depth 109 feet. Highest water level 100.50 below lsd, Mar. 17, 1948; lowest 102.77 below lsd, June 22, 1937. Records available: 1937, 1948-50. No measurement made in 1951.

#### Randall County

Measurement discontinued in wells 83a and 100.

103. W. H. Bush Estate. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 64, blk. B5, lat. 34°57', long. 101°54'. Drilled stock water-table well in sand. Highest water level 8.09 below lsd, June 14, 1937; lowest 11.16 below lsd, Sept. 29, 1939. Records available: 1937-43, 1946-51. Feb. 8, 9.00.

110. Price Bros. NW. corner sec. 66, blk. B5, lat. 34°57', long. 101°56'. Drilled farm water-table well in sand, diameter 4 inches, depth 75 feet. Highest water level 50.39 below lsd, Feb. 8, 1951; lowest 56.25 below lsd, Mar. 15, 1948. Records available: 1937, 1941-43, 1946-51. Feb. 8, 50.39.

145a. Owner unknown. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. B5, lat. 34°00', long. 102°03'. Drilled unused water-table well in sand, diameter 6 inches, depth 122 feet. Highest water level 110.97 below lsd, Mar. 15, 1948; lowest 111.73 below lsd, June 10, 1938. Records available: 1938-42, 1946-51. Jan. 18, 110.98.

189a. W. F. Miller. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 109, blk. M8, lat. 34°45', long. 101°49'. Drilled unused water-table well in sand, diameter 5 inches, depth 100 feet. Highest water level 89.18 below lsd, Mar. 7, 1949; lowest 96.74 below lsd, Mar. 19, 1941. Records available: 1938-41, 1947-51. Jan. 15, 91.61.

A2a. City of Amarillo. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 134, blk. 9, lat. 35°06', long. 102°00'. Drilled unused observation well in sand, diameter 13 to 10 inches, depth 200 feet, casing perforated bottom 34 feet. Highest water level 106.22 below lsd, July 8, 1948; lowest 126.68 below lsd, Nov. 16, 1951. Records available: 1948-51.

Daily highest water level from recorder graph, 1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 8	106.22	Nov. 10	106.80	Nov. 17	106.80	Nov. 24	106.83
Nov. 4	106.75	11	106.80	18	106.77	25	106.81
5	106.77	12	106.77	19	106.80	26	106.81
6	106.80	13	106.80	20	106.77	27	106.76
7	106.73	14	106.79	21	106.80	28	106.79
8	106.77	15	106.81	22	106.80	29	106.80
9	106.80	16	106.76	23	106.80	30	106.81

## A2a--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 1	106.77	Dec. 9	106.78	Dec. 17	106.84	Dec. 25	106.80
2	106.80	10	106.80	18	106.82	26	106.82
3	106.82	11	106.79	19	106.82	27	106.84
4	106.75	12	106.80	20	106.81	28	106.77
5	106.78	13	106.82	21	106.78	29	106.79
6	106.77	14	106.83	22	106.84	30	106.79
7	106.77	15	106.80	23	106.82	31	106.80
8	106.77	16	106.80	24	106.79		

h Tape measurement.

## Daily highest water level from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	106.84	106.71	106.71	106.70	.....	106.78	107.07	108.21	109.80	110.90	111.98	113.00
2	106.80	106.72	106.70	106.71	.....	106.78	107.10	108.25	109.85	110.94	112.05	113.03
3	106.76	106.69	106.72	106.70	.....	106.75	107.11	108.30	109.89	110.99	112.07	113.10
4	106.81	106.70	106.71	106.70	.....	106.78	107.14	108.35	109.96	111.02	112.10	113.10
5	106.80	106.70	106.71	106.71	.....	106.76	107.16	108.39	109.98	111.04	112.15	113.10
6	106.81	106.66	106.67	106.70	.....	106.75	107.19	108.44	110.05	111.06	112.18	113.15
7	106.84	106.70	106.73	106.71	.....	106.79	107.20	108.50	110.09	111.11	112.19	113.20
8	106.82	106.66	106.73	106.70	.....	106.75	107.25	108.54	110.12	111.15	112.23	113.22
9	106.79	106.65	106.67	106.64	.....	106.84	107.30	108.59	110.16	111.15	112.27	113.22
10	106.79	106.69	106.70	106.69	.....	106.83	107.31	108.64	110.18	111.22	112.31	113.25
11	106.80	106.70	106.70	106.71	.....	106.83	107.34	108.70	110.24	111.26	112.40	113.30
12	106.85	106.68	106.70	106.72	.....	106.85	107.37	108.75	110.29	111.29	112.42	113.32
13	106.84	106.67	106.69	106.67	.....	106.86	107.41	108.80	110.31	111.31	112.44	113.35
14	106.84	106.70	106.66	106.66	.....	106.86	107.44	108.85	110.35	111.35	112.47	113.37
15	106.82	106.68	106.68	106.68	.....	106.86	107.49	108.91	110.40	111.37	112.50	113.39
16	106.79	106.66	106.67	106.70	.....	106.87	107.51	108.96	110.42	111.40	112.55	113.43
17	106.82	106.71	106.70	106.69	.....	106.90	107.55	109.00	110.45	111.46	112.55	113.46
18	106.76	106.71	106.70	106.65	.....	106.90	107.60	109.10	110.50	111.50	112.58	113.50
19	106.81	106.68	106.72	106.70	.....	106.90	107.63	109.19	110.52	111.53	112.62	113.50
20	106.83	106.67	106.74	106.65	.....	106.93	107.65	109.20	110.54	111.56	112.65	113.53
21	106.80	106.70	106.65	106.68	.....	106.93	107.70	109.25	110.55	111.61	112.67	113.60
22	106.83	106.70	106.70	106.70	.....	106.94	107.75	109.30	110.63	111.65	112.70	113.60
23	106.80	106.70	106.70	106.70	106.80	106.94	107.80	109.35	110.65	111.67	112.73	113.61
24	106.77	106.67	106.70	106.70	106.79	106.96	107.84	109.40	110.67	111.71	112.77	113.63
25	106.79	106.66	106.68	106.70	106.77	106.99	107.88	109.47	110.68	111.73	112.80	113.68
26	106.80	106.67	106.68	106.65	106.75	107.00	107.91	109.51	110.70	111.79	112.85	113.72
27	106.79	106.66	106.72	106.67	106.76	107.03	107.96	109.55	110.75	111.81	112.86	113.72
28	106.79	106.70	106.70	106.70	106.75	107.04	108.00	109.62	110.78	111.86	112.90	113.73
29	106.81	.....	106.60	106.71	106.78	107.05	108.07	109.66	110.81	111.88	112.95	113.75
30	106.84	.....	106.69	.....	106.79	107.06	108.12	109.71	110.84	111.95	112.97	113.75
31	106.82	.....	106.70	.....	106.76	.....	108.15	109.74	.....	111.97	.....	113.77

## Daily highest water level from recorder graph, 1950\*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	113.79	114.34	114.86	115.54	116.38	117.29	118.20	119.10
2	113.80	114.36	114.82	115.56	116.45	117.34	118.24	119.15
3	113.90	114.37	114.90	115.60	116.47	117.40	118.27	119.17
4	113.89	114.38	114.91	115.68	116.46	117.41	118.30	119.19
5	113.91	114.39	114.96	115.67	116.55	117.43	118.33	119.20
6	113.95	114.41	114.94	115.66	116.55	117.45	118.35	119.22
7	113.93	114.42	115.03	115.69	116.57	117.49	118.37	119.24
8	113.96	114.45	115.03	115.74	116.60	117.54	118.39	119.25
9	113.97	114.47	115.02	115.76	116.64	117.60	118.42	119.29
10	113.97	114.49	115.10	115.80	116.64	117.59	118.45	119.30
11	114.00	114.49	115.14	115.81	116.67	117.62	118.49	119.32
12	114.05	114.54	115.08	115.83	116.69	117.63	118.52	119.34
13	114.08	114.50	115.10	115.86	116.73	117.66	118.58	119.35
14	114.08	114.58	115.11	115.90	116.75	117.72	118.59	119.37
15	114.12	114.59	115.12	115.92	116.80	117.75	118.60	119.40
16	114.18	114.58	115.13	115.93	116.84	117.80	118.63	119.42
17	114.16	114.61	115.17	115.97	116.86	117.82	118.70	119.45
18	114.19	114.65	115.18	116.01	116.87	117.83	118.72	119.46
19	114.15	114.65	115.25	116.05	116.93	117.85	118.74	119.47
20	114.14	114.66	115.24	116.07	116.96	117.87	118.80	.....
21	114.14	114.68	115.30	116.09	117.00	117.92	118.82	.....
22	114.15	114.74	115.32	116.12	117.01	117.92	118.83	.....
23	114.16	114.73	115.31	116.16	117.01	117.95	118.85	.....
24	114.20	114.75	115.35	116.22	117.08	118.00	118.90	.....
25	114.22	114.80	115.37	116.23	117.11	118.05	118.90	.....

## A2a--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
26	114.25	114.79	115.35	116.23	117.15	118.07	118.93	.....
27	114.23	114.80	115.43	116.26	117.16	118.10	118.94	.....
28	114.24	114.86	115.48	116.27	117.15	118.13	118.97	.....
29	114.26		115.52	116.36	117.20	118.15	118.98	.....
30	114.30		115.50	116.37	117.24	118.17	119.02	.....
31	114.32		115.51		117.26		119.05	.....

\* No record for September, October, November and December.

## Daily highest water level from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	121.85	122.07	122.20	122.44	122.85	123.45	123.83	124.55	125.43	126.15	126.58	126.64
2	121.86	122.06	122.21	122.45	122.86	123.47	123.80	124.57	125.45	126.17	126.55	126.64
3	121.88	122.07	122.25	122.44	122.88	123.52	123.89	124.60	125.48	126.20	126.56	126.66
4	121.88	122.10	122.24	122.44	122.88	123.55	123.90	124.62	125.50	126.24	126.57	126.62
5	121.89	122.07	122.24	122.45	122.88	123.54	123.92	124.65	125.54	126.21	126.62	126.60
6	121.90	122.13	122.23	122.50	122.94	123.55	123.95	124.66	125.56	126.28	126.62	126.68
7	121.89	122.12	122.23	122.50	122.92	123.24	123.94	124.67	125.56	126.26	126.59	126.67
8	121.87	122.08	122.24	122.50	122.93	123.31	124.00	124.70	125.61	126.30	126.59	126.65
9	121.88	122.05	122.24	122.52	122.95	123.34	124.01	124.77	125.62	126.30	126.64	126.66
10	121.92	122.10	122.25	122.50	123.00	123.36	124.01	124.74	125.65	126.32	126.64	126.63
11	121.90	122.10	122.28	122.53	122.97	123.36	124.06	124.78	125.67	126.32	126.60	126.61
12	121.93	122.10	122.27	122.55	123.05	123.42	124.06	124.84	125.73	126.34	126.60	126.63
13	121.94	122.15	122.25	122.53	123.05	123.43	124.08	124.87	125.77	126.36	126.66	126.60
14	121.95	122.12	122.28	122.55	123.08	123.45	124.10	124.89	125.77	126.37	126.66	126.65
15	121.95	122.12	122.28	122.60	123.10	123.48	124.13	124.92	125.81	126.35	126.65	126.60
16	121.93	122.13	122.30	122.60	123.05	123.55	124.15	124.94	125.80	126.40	126.68	126.60
17	121.96	122.14	122.34	122.59	123.01	123.55	124.17	124.98	125.85	126.42	126.63	126.60
18	121.97	122.13	122.33	122.60	123.13	123.60	124.20	125.01	125.86	126.45	126.63	126.55
19	121.98	122.15	122.31	122.63	123.15	123.61	124.23	125.03	125.90	126.41	126.66	126.57
20	122.04	122.16	122.31	122.68	123.08	123.62	124.23	125.06	125.92	126.41	126.64	126.61
21	121.98	122.15	122.33	122.70	123.14	123.62	124.26	125.11	125.97	126.45	126.67	126.60
22	121.97	122.15	122.33	122.72	123.25	123.67	124.29	125.12	125.95	126.45	126.68	126.61
23	122.05	122.16	122.36	122.68	123.25	123.70	124.30	125.15	126.00	126.50	126.66	126.59
24	122.03	122.16	122.38	122.68	123.23	123.68	124.34	125.17	126.04	126.48	126.64	126.52
25	122.00	122.20	122.37	122.77	123.35	123.72	124.36	125.20	126.01	126.50	126.68	126.56
26	122.00	122.20	122.37	122.70	123.35	123.75	124.39	125.24	126.07	126.51	126.64	126.55
27	122.06	122.17	122.37	122.77	123.35	123.75	124.41	125.27	126.11	126.54	126.66	126.45
28	122.07	122.21	122.41	122.75	123.35	123.80	124.44	125.31	126.10	126.54	126.66	126.48
29	122.06		122.40	122.77	123.40	123.80	124.47	125.34	126.11	126.55	126.66	126.47
30	122.04		122.40	122.84	123.41	123.83	124.50	125.37	126.14	126.56	126.65	126.48
31	122.08		122.42	.....			124.52	125.40		126.52		126.48

## San Patricio County

Measurement discontinued in wells 58 and 144.

69. O. V. Coopender. Lat. 27°53', long. 97°12'. Drilled domestic artesian well in sand, diameter 4 inches, depth 60 feet. Land-surface datum is 11.65 feet above msl. Highest water level 14.18 below lsd, Nov. 21, 1947; lowest 26.27 below lsd, Jan. 20, 1942. Records available: 1938-42, 1945, 1947, 1949-51. Nov. 21, 15.43.

80. Lewis Caldwell. Lat. 27°52', long. 97°11'. Drilled farm artesian well in sand, diameter 4 inches, depth 90 feet. Land-surface datum is 15.44 feet above msl. Highest water level 12.76 below lsd, Nov. 15, 1949; lowest 17.59 below lsd, Aug. 6, 1940. Records available: 1938-42, 1945, 1947, 1949-51. Nov. 21, 15.21.

85. W. H. Bryan. Lat. 27°53', long. 97°11'. Drilled unused water-table well in sand, diameter 4 inches, depth 35 feet. Highest water level 14.10 below lsd, Nov. 15, 1949; lowest 11.23 below lsd, Dec. 12, 1939. Records available: 1938-42, 1945, 1947, 1949-51. Nov. 20, 17.20.

129. B. A. Linderman. Lat. 27°54', long. 97°09'. Drilled unused artesian well in sand, diameter 4 inches, depth 76 feet. Land-surface datum is 13.41 feet above msl. Highest water level 8.9 below lsd, Dec. 27, 1945; lowest 15.42 below lsd, Nov. 21, 1951. Records available: 1938-42, 1945, 1947, 1949-51. Nov. 21, 15.42.

140. Bruce Hannah. Lat. 27°52', long. 97°11'. Drilled farm water-table well in sand, diameter 4 inches, depth 24 feet. Highest water level 14.46 below lsd, Nov. 16, 1949; lowest 11.98 below lsd, Aug. 5, 1940. Records available: 1938-42, 1945, 1947, 1949-51. Nov. 21, 17.20.

Swisher County

Measurement discontinued in wells 38, 59, 354, 895.

1. Will Vaughn. NW corner sec. 10, blk. M6, lat. 34°40', long. 101°55'. Drilled irrigation water-table well in sand, diameter 18 to 12 inches, depth 203 feet. Highest water level 88.73 below lsd, May 31, 1943; lowest 90.26 below lsd, Jan. 18, 1951. Records available: 1937, 1943, 1947-51. Jan. 18, 90.26.
2. I. Irlbeck. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 63, blk. M8, lat. 34°41', long. 101°51'. Drilled unused water-table well in sand, diameter 6 inches, depth 94 feet. Highest water level 77.60 below lsd, Jan. 18, 1951; lowest 78.01 below lsd, Dec. 13, 1938. Records available: 1937-51. Jan. 18, 77.60.
36. W. C. Cowan. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, blk. W1, lat. 34°35', long. 101°48'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 226 feet. Highest water level 53.70 below lsd, Feb. 10, 1944; lowest 59.20 below lsd, Feb. 23, 1949. Records available: 1934, 1937, 1940-49, 1951. Jan. 18, 58.40.
37. H. H. Terrell. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. W1, lat. 34°34', long. 101°48'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 250 feet. Highest water level 62.67 below lsd, Sept. 13, 1937; lowest 70.37 below lsd, Jan. 23, 1951. Records available: 1937-44, 1946-51. Jan. 23, 70.37.
40. Murray Vise. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, blk. W1, lat. 34°36', long. 101°46'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 285 feet. Highest water level 59.28 below lsd, May 29, 1943; lowest 64.34 below lsd, Feb. 13, 1950. Records available: 1937, 1943, 1947-50. No measurement made in 1951.
50. C. W. Rousseau. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, blk. W1, lat. 34°32', long. 101°45'. Drilled unused water-table well in sand, diameter 6 inches, depth 69 feet. Highest water level 58.55 below lsd, Feb. 25, 1946; lowest 64.43 below lsd, Jan. 23, 1951. Records available: 1937-41, 1943, 1946-51. Jan. 23, 64.43.
80. Marshall Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 77, blk. M8, lat. 34°32', long. 101°50'. Drilled irrigation water-table well in sand. Highest water level 68.34 below lsd, Mar. 15, 1947; lowest 73.37 below lsd, Jan. 18, 1951. Records available: 1947-51. Jan. 18, 73.37.
101. C. J. Levitt. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 95, blk. M9, lat. 34°41', long. 101°43'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 230 feet, cased to 188, slotted below 70. Highest water level 70.63 below lsd, Mar. 17, 1947; lowest 73.02 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 73.02.
108. Joe Richardson. Lab. 24, lge. 4, S. J. C. S. L., lat. 34°38', long. 101°30'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 210 feet. Highest water level 70.66 below lsd, Apr. 20, 1934; lowest 78.46 below lsd, Jan. 19, 1951. Records available: 1934, 1937, 1943, 1945-51. Jan. 19, 78.46.
113. Mrs. G. M. Tucker. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 198, blk. M9, lat. 34°37', long. 101°37'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 210 feet. Highest water level 58.46 below lsd, Nov. 30, 1937; lowest 63.98 below lsd, Feb. 13, 1950. Records available: 1937, 1943, 1947-51. Jan. 19, 63.40.
115. W. W. Parker. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 164, blk. M9, lat. 34°38', long. 101°39'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 226 feet. Highest water level 56.78 below lsd, May 28, 1943; lowest 63.52 below lsd, Jan. 19, 1951. Records available: 1937, 1943, 1945-51. Jan. 19, 63.52.
119. W. A. Byrd. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, blk. RC, lat. 34°36', long. 101°42'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 50.22 below lsd, May 29, 1943; lowest 56.36 below lsd, Feb. 13, 1950. Records available: 1943, 1947-51. Jan. 19, 55.70.
124. W. C. Watson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 125, blk. M10, lat. 34°34', long. 101°34'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 188 feet, cased to 120, slotted below 45. Highest water level 46.91 below lsd, Nov. 26, 1937; lowest 63.90 below lsd, Jan. 19, 1951. Records available: 1937, 1943, 1947-49, 1951. Jan. 19, 63.90.
127. W. B. Ballard. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 124, blk. M10, lat. 34°35', long. 101°34'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 197 feet. Highest water level 52.38 below lsd, Nov. 26, 1937; lowest 60.15 below lsd, Jan. 19, 1951. Records available: 1937, 1943, 1945-51. Jan. 19, 60.15.

139. E. B. McCrary. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. M15, lat. 34°34', long. 101°41'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 208 feet, not cased. Highest water level 50.30 below lsd, May 29, 1943; lowest 52.84 below lsd, Feb. 14, 1950. Records available: 1943, 1945-51. Jan. 19, 52.20.
165. W. L. Pevehouse. NE. corner sec. 33, blk. B3, lat. 34°38', long. 101°30'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 200 feet. Highest water level 78.14 below lsd, Feb. 22, 1945; lowest 81.27 below lsd, Jan. 19, 1951. Records available: 1943, 1945-51. Jan. 19, 81.27.
167. A. J. Harris. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 116, blk. M10, lat. 34°37', long. 101°33'. Drilled irrigation water-table well in sand. Highest water level 52.45 below lsd, Nov. 26, 1937; lowest 58.14 below lsd, Jan. 19, 1951. Records available: 1937, 1943, 1945-51. Jan. 19, 58.14.
215. Alvin Stark. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 108, blk. A, lat. 34°27', long. 101°35'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 180 feet. Highest water level 52.71 below lsd, Nov. 10, 1937; lowest 66.86 below lsd, Jan. 23, 1951. Records available: 1937, 1943, 1946-51. Jan. 23, 66.86. Measurement discontinued.
231. L. L. Armor. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 87, blk. B2, lat. 34°24', long. 101°34'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 51.39 below lsd, Nov. 8, 1937; lowest 70.10 below lsd, Jan. 23, 1951. Records available: 1937, 1943-51. Jan. 23, 70.10.
233. L. L. Armor. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 88, blk. B2, lat. 34°23', long. 101°34'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 203 feet, cased to 203, slotted at 75-203. Highest water level 50.85 below lsd, Nov. 8, 1937; lowest 71.43 below lsd, Jan. 23, 1951. Records available: 1937, 1943, 1947-51. Jan. 23, 71.43.
247. R. J. Pool. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 80, blk. B2, lat. 34°21', long. 101°33'. Drilled irrigation water-table well in sand, diameter 18 to 12 inches, depth 226 feet slotted casing at 20-140. Highest water level 57.34 below lsd, Nov. 9, 1937; lowest 69.88 below lsd, Jan. 23, 1951. Records available: 1937, 1943, 1948-51. Jan. 23, 69.88.
255. Dr. H. H. Hicks. NW. corner NE $\frac{1}{4}$  sec. 2, blk. B6, lat. 34°22', long. 101°37'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, slotted casing at 70-95. Highest water level 40.95 below lsd, Oct. 4, 1937; lowest 55.39 below lsd, Jan. 23, 1951. Records available: 1937-38, 1940-51. Jan. 23, 55.39.
299. E. V. Elkins. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 152, blk. A, lat. 34°31', long. 101°38'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 101 feet. Highest water level 41.7 below lsd, Nov. 26, 1937; lowest 50.49 below lsd, Feb. 14, 1950. Records available: 1937, 1943, 1945-50. No measurement made in 1951.
302. J. D. Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, blk. W1, lat. 34°31', long. 101°46'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 233 feet. Highest water level 62.74 below lsd, Apr. 20, 1934; lowest 68.07 below lsd, Jan. 19, 1951. Records available: 1934, 1937, 1939-51. Jan. 19, 68.07.
305. J. L. Cantrell. NW. corner NE $\frac{1}{4}$  sec. 25, blk. W1, lat. 34°30', long. 101°44'. Drilled stock water-table well in sand, diameter 6 inches, depth 48 feet. Highest water level 66.72 below lsd, June 11, 1938; lowest 42.20 below lsd, Jan. 23, 1951. Records available: 1937-43, 1945-51. Jan. 23, 42.20.
307. J. S. Vars. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, blk. M15, lat. 34°29', long. 101°42'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 173 feet, slotted casing at 41-173. Highest water level 55.23 below lsd, Mar. 14, 1947; lowest 59.37 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 59.37.
310. Clyde Wilkins. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. M15, lat. 34°30', long. 101°41'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 172 feet, slotted casing at 22-172. Highest water level 68.05 below lsd, Mar. 2, 1948; lowest 75.42 below lsd, Feb. 15, 1950. Records available: 1947-51. Jan. 19, 72.90.
332. W. F. Kerr. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. M13, lat. 34°25', long. 101°45'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 209 feet, slotted casing to 172. Highest water level 63.49 below lsd, Feb. 3, 1943; lowest 80.38 below lsd, Aug. 16, 1939. Records available: 1937-51. Jan. 19, 76.91.
333. W. A. Snell. NW. corner NE $\frac{1}{4}$  sec. 37, blk. M13, lat. 34°24', long. 101°46'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 79.37 below lsd, Mar. 12, 1947; lowest 86.57 below lsd, Feb. 15, 1950. Records available: 1947-51. Jan. 22, 85.98.

359. E. E. Farmway. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 57, blk. M13, lat. 34°21', long. 101°47'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 220 feet. Highest water level 73.68 below lsd, Dec. 1, 1937; lowest 91.89 below lsd, Jan. 22, 1951. Records available: 1937-51. Jan. 22, 91.89.

368. C. F. Harris. Lat. 34°19', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 212 feet. Highest water level 73.99 below lsd, May 4, 1936; lowest 96.35 below lsd, Jan. 22, 1951. Records available: 1936-51. Jan. 22, 96.35.

370. Neeley Culp. Lat. 34°19', long. 101°43'. Drilled irrigation water-table well in sand, diameter 26 to 10 inches, depth 348 feet. Highest water level 68.0 below lsd, Apr. 13, 1914; lowest 91.72 below lsd, Jan. 22, 1951. Records available: 1914, 1936-49, 1951. Jan. 22, 91.72.

376. H. F. Axtell. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. M14, lat. 34°21', long. 101°42'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 400 feet, cased to 72. Highest water level 68.6 below lsd, Nov. 3, 1937; lowest 90.38 below lsd, Feb. 14, 1950. Records available: 1937, 1947-51. Jan. 22, 87.82.

383. S. R. Golden. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 54, blk. M14, lat. 34°18', long. 101°41'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 208 feet. Highest water level 70.71 below lsd, Apr. 18, 1934; lowest 89.82 below lsd, Jan. 22, 1951. Records available: 1914, 1934, 1936-51. Jan. 22, 89.82.

404. Lewis Redmond. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, blk. M11, lat. 34°30', long. 101°54'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 242 feet, cased to 130. Highest water level 102.65 below lsd, May 31, 1943; lowest 108.27 below lsd, Jan. 18, 1951. Records available: 1937, 1943, 1949-51. Jan. 18, 108.27.

407. Ernest M. Johnson. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, blk. K2, lat. 34°26', long. 101°50'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 229 feet, cased to 229, slotted below 90. Highest water level 91.0 below lsd, Apr. 1937; lowest 116.30 below lsd, Jan. 22, 1951. Records available: 1937, 1945-51. Jan. 22, 116.30.

408. J. A. Ellis. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. K2, lat. 34°26', long. 101°49'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 202 feet, cased to 202, slotted below 85. Highest water level 86.90 below lsd, Sept. 24, 1937; lowest 96.28 below lsd, Feb. 16, 1950. Records available: 1937, 1948-51. Jan. 22, 88.83.

410. E. E. Cox. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, blk. K, lat. 34°24', long. 101°49'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 167 feet, cased to 160. Highest water level 92.7 below lsd, Sept. 23, 1937; lowest 107.32 below lsd, Jan. 22, 1951. Records available: 1937, 1947-51. Jan. 22, 107.32.

418. O. Milner. NW. corner sec. 93, blk. M11, lat. 34°22', long. 101°57'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 210 feet. Highest water level 74.73 below lsd, Oct. 6, 1937; lowest 86.07 below lsd, Jan. 22, 1951. Records available: 1937, 1943, 1946, 1948-51. Jan. 22, 86.07.

421. A. U. Perryman. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. K3, lat. 34°19', long. 101°59'. Drilled irrigation water-table well in sand, diameter 20 inches, depth 240 feet, cased to 230, slotted below 60. Highest water level 59.42 below lsd, Jan. 27, 1943; lowest 69.70 below lsd, Feb. 15, 1950. Records available: 1938-39, 1941-50. No measurement made in 1951.

429. Clifton Reed. NW. corner sec. 66, J. A. Ward survey, lat. 34°41', long. 101°50'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 198 feet. Highest water level 93.17 below lsd, Sept. 23, 1937; lowest 115.80 below lsd, Jan. 22, 1951. Records available: 1937, 1939-51. Jan. 22, 115.80. Measurement discontinued.

433. E. E. Cox. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, blk. K, lat. 34°24', long. 101°29'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 265 feet, cased to 238. Highest water level 102.53 below lsd, Mar. 12, 1947; lowest 106.38 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 106.38.

438. Frederick Rousser. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. K, lat. 34°23', long. 101°51'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 216 feet. Highest water level 111.40 below lsd, Mar. 13, 1937; lowest 122.79 below lsd, Jan. 22, 1951. Records available: 1937, 1948-49, 1951. Jan. 22, 122.79.

448. C. A. Davis. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 20, blk. C4, lat. 34°21', long. 101°49'. Drilled irrigation water-table well in sand. Highest water level 85.09 below lsd, Feb. 28, 1948; lowest 93.18 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 93.18.

480. R. Q. Silverthorne. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 35, blk. K, lat. 34°20', long. 101°56'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 203 feet, cased to 203, slotted at 68-203. Highest water level 73.6 below lsd, Dec. 7, 1945; lowest 81.67 below lsd, Jan. 22, 1951. Records available: 1945, 1947-49, 1951. Jan. 22, 81.67.

498. J. F. Benefield. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, blk. M11, lat. 34°30', long. 101°58'. Drilled irrigation water-table well in sand, depth 200 feet. Highest water level 94.71 below lsd, Mar. 1, 1948; lowest 97.19 below lsd, Feb. 16, 1950. Records available: 1947-50. No measurement made in 1951.

507. Clyde Bradford. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. M8, lat. 34°37', long. 101°52'. Drilled irrigation water-table well in sand, depth 175 feet. Highest water level 80.7 below lsd, Nov. 27, 1945; lowest 84.43 below lsd, Jan. 18, 1951. Records available: 1945, 1947-51. Jan. 18, 84.43.

702. Charles T. Herring. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 112, blk. A, lat. 34°31', long. 101°34'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 39.10 below lsd, May 15, 1943; lowest 46.15 below lsd, Feb. 14, 1950. Records available: 1943, 1947-51. Jan. 19, 41.42.

704. C. L. Gunter. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 117, blk. A, lat. 34°28', long. 101°36'. Drilled irrigation water-table well in sand. Highest water level 38.42 below lsd, Mar. 14, 1947; lowest 40.60 below lsd, Jan. 19, 1951. Records available: 1945, 1947-51. Jan. 19, 40.60.

705. C. L. Gunter. SE. corner sec. 117, blk. A, lat. 34°28', long. 101°35'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 171 feet. Highest water level 48.80 below lsd, Mar. 14, 1947; lowest 56.13 below lsd, Feb. 28, 1949. Records available: 1947-51. Jan. 19, 55.02.

709. J. C. Johnson. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 95, blk. A, lat. 34°28', long. 101°32'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 179 feet, slotted casing at 80-140. Highest water level 82.92 below lsd, Mar. 14, 1947; lowest 93.86 below lsd, Feb. 14, 1950. Records available: 1947-51. Jan. 23, 91.52.

743. F. P. Ham. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 74, blk. B2, lat. 34°23', long. 101°31'. Drilled irrigation water-table well in sand, depth 162 feet. Highest water level 53.53 below lsd, Mar. 14, 1947; lowest 60.57 below lsd, Feb. 14, 1950. Records available: 1947-51. Jan. 23, 58.64.

806. L. B. LeMaster. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, blk. W1, lat. 34°30', long. 101°45'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 168 feet, cased to 150. Highest water level 61.31 below lsd, Mar. 14, 1947; lowest 65.07 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 65.07.

815. Roy Stockett. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. M13, lat. 34°27', long. 101°43'. Drilled irrigation water-table well in sand. Highest water level 66.49 below lsd, Mar. 14, 1947; lowest 74.60 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 74.60.

821. W. Boston. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, blk. M13, lat. 34°25', long. 101°47'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, cased to 140 slotted at 80-140. Highest water level 86.20 below lsd, Mar. 12, 1947; lowest 97.92 below lsd, Jan. 22, 1951. Records available: 1945, 1947-51. Jan. 22, 97.92.

858. W. Sorelle. NE. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 41, blk. M13, lat. 34°24', long. 101°44'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 60.62 below lsd, Mar. 13, 1947; lowest 77.02 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 77.02, pumped recently.

889. A. A. Boling. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 38, blk. M14, lat. 34°23', long. 101°40'. Drilled irrigation water-table well in sand. Highest water level 75.98 below lsd, Mar. 13, 1947; lowest 79.84 below lsd, Jan. 23, 1951. Records available: 1947-51. Jan. 23, 79.84.

896. Roy Stockett. NW. corner NE $\frac{1}{4}$  sec. 16, blk. M15, lat. 34°28', long. 101°42'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet. Highest water level 55.23 below lsd, Mar. 14, 1947; lowest 63.48 below lsd, Jan. 19, 1951. Records available: 1947-51. Jan. 19, 63.48.

932. Harry Chenoweth. SW. corner sec. 12, blk. K2, lat. 34°26', long. 101°53'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 270 feet, cased to 170. Highest water level 95.87 below lsd, Mar. 15, 1947; lowest 105.97 below lsd, Jan. 22, 1951. Records available: 1947-49, 1951. Jan. 22, 105.97.

935. F. L. Lemley. SW. corner sec. 5, blk. K, lat. 34°25', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 208 feet. Highest water level 87.21 below lsd, Mar. 12, 1947; lowest 94.82 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 94.82.

936. F. L. Lemley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, blk. K, lat. 34°25', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 210 feet, cased to 210, slotted below 64. Highest water level 92.68 below lsd, Mar. 12, 1947; lowest 101.98 below lsd, Jan. 22, 1951. Records available: 1947-51. Jan. 22, 101.98.

947. Otis Harman. NW. corner sec. 23, blk. M11, lat. 34°29', long. 101°52'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 243 feet, cased to 146, slotted at 70-146. Highest water level 80.40 below lsd, Mar. 15, 1947; lowest 87.93 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951. Jan. 18, 87.93.

#### Terry County

Measurement discontinued in well 17a.

16. Challis Baptist Church. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 64, blk. 4X, lat. 33°16', long. 102°14'. Drilled domestic water-table well in sand, diameter 6 inches, depth 114 feet. Highest water level 85.38 below lsd, Jan. 26, 1951; lowest 97.39 below lsd, June 23, 1937. Records available: 1937-44, 1949-51. Jan. 26, 85.38.

21a. Crump. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, blk. 4X, lat. 33°18', long. 102°12'. Drilled unused water-table well in sand, diameter 6 inches, depth 88 feet. Highest water level 60.52 below lsd, Mar. 31, 1949; lowest 68.09 below lsd, Nov. 20, 1940. Records available: 1939-44, 1949-51. Jan. 26, 61.90.

#### Travis County

261. H. C. Warren. Lat. 30°17', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 270 feet. Land-surface datum is 903.93 feet above msl. Highest water level 198.30 below lsd, July 24, 1941; lowest 230.80 below lsd, Jan. 6, 1951. Records available: 1940-46, 1948-51. Jan. 6, 230.80; Apr. 9, 226.70; Aug. 10, 229.31.

266. Robinson Ranch. Formerly J. D. Dillingham. Lat. 30°26', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 276 feet. Land-surface datum is 831.37 feet above msl. Highest water level 157.06 below lsd, May 25, 1945; lowest 247.70 below lsd, Jan. 6, 1951. Records available: 1940-46, 1948-51. Jan. 6, 247.70; Apr. 9, 243.45; Aug. 10, 244.12.

280. Travis County. Lat. 30°24', long. 97°42'. Dug domestic water-table well in Austin chalk, diameter 28 inches, depth 20 feet. Highest water level 7.72 below lsd, Apr. 11, 1944; lowest 19.89 below lsd, Nov. 28, 1949. Records available: 1939-46, 1948-51. Jan. 5, 18.81; Apr. 9, 16.20; Aug. 10, 19.77.

284. Robinson Bros. Lat. 30°23', long. 97°43'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 400 feet. Land-surface datum is 801.07 feet above msl. Highest water level 116.71 below lsd, July 24, 1941; lowest 199.54 below lsd, Aug. 11, 1942. Records available: 1940-46, 1948-51. Jan. 5, 187.61; Apr. 10, 187.02.

322. Carl Wagner. Formerly John Teagle. Lat. 30°21', long. 97°41'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 484 feet. Land-surface datum is 721.41 feet above msl. Highest water level 113.58 below lsd, July 24, 1941; lowest 179.50 below lsd, Aug. 10, 1951. Records available: 1940-46, 1948-51. Apr. 10, 178.37; Aug. 10, 179.50.

323. Joe Crow. Lat. 30°20', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 400 feet. Land-surface datum is 674.14 feet above msl. Highest water level 62.97 below lsd, July 24, 1941; lowest 117.58 below lsd, Aug. 11, 1942. Records available: 1940-46, 1948-51. Apr. 10, 93.66; Aug. 10, 93.88.

327. Walling Estate. Lat. 30°19', long. 97°42'. Drilled unused artesian well in Edwards limestone, diameter 5 inches, depth 442 feet. Land-surface datum is 717.87 feet above msl. Highest water level 132.14 below lsd, May 25, 1945; lowest 181.03 below lsd, Aug. 10, 1951. Records available: 1940-46, 1948-51. Jan. 6, 179.80; Apr. 10, 180.47; Aug. 10, 181.03.

328. Walling Estate. Lat. 30°19', long. 97°42'. Dug unused water-table well in Austin chalk, diameter 35 inches, depth 37 feet. Highest water level 4.39 below lsd, July 24, 1941; lowest 32.07 below lsd, Aug. 12, 1942. Records available: 1940-46, 1948-51. Apr. 10, 15.68; Aug. 10, 19.85. Oct. 14, 1949, 212.63; Nov. 10, 1949, 212.22.

341. Austin Memorial Park Cemetery. Lat. 30°19', long. 97°45'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 330 feet. Highest water level 209.77 below lsd, Aug. 7, 1950; lowest 214.8 below lsd, Nov. 18, 1951. Records available: 1949-51. Oct. 14, 212.63; Nov. 10, 212.22.



341--Continued.

Daily highest water level from recorder graph, 1950

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 13	210.77	Oct. 8	211.6	Nov. 9	212.5	Dec. 5	212.7
Aug. 7	209.77	9	211.7	10	212.5	6	212.8
Sept. 13	211.1	10	211.8	11	212.6	7	212.7
14	211.1	11	211.9	12	212.5	8	212.7
15	211.1	12	211.9	13	212.4	9	212.7
16	211.1	13	212.0	14	212.3	10	212.7
17	211.1	14	212.0	15	212.3	11	212.7
18	211.1	15	212.0	16	212.3	12	212.6
19	211.1	20	212.1	17	212.3	13	212.6
20	211.1	21	212.1	18	212.3	14	212.6
21	211.1	22	212.1	19	212.3	15	212.6
22	211.1	23	212.2	20	212.3	16	212.6
23	211.1	24	212.3	21	212.6	17	212.6
24	211.1	25	212.3	22	212.6	18	212.7
25	211.1	26	212.3	23	212.5	19	212.7
26	211.2	27	212.3	24	213.5	20	212.7
27	211.3	28	212.3	25	213.6	21	212.8
28	211.3	29	212.3	26	213.6	22	212.9
29	211.3	30	212.3	27	213.6	23	213.9
Oct. 30	211.3	Nov. 1	212.3	28	213.7	24	213.0
1	211.3	2	212.3	29	212.7	25	213.1
2	211.3	3	212.3	30	212.7	26	213.1
3	211.4	4	212.3	Dec. 1	212.6	27	213.2
4	211.4	5	212.4	2	212.6	28	213.2
5	211.4	6	212.4	3	212.6	29	213.2
6	211.5	7	212.5	4	212.6	30	213.2
7	211.6	8	212.5			31	213.2

Daily highest water level from recorder graph 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	213.1	.....	212.5	209.5	212.8	212.8	212.7	213.9	214.2	213.6	214.4	214.3
2	213.0	.....	212.6	209.7	212.9	212.9	212.8	213.9	214.2	213.7	214.4	214.3
3	213.0	.....	212.6	210.0	212.9	211.4	212.8	213.9	214.2	213.7	214.4	214.2
4	212.9	.....	212.7	210.2	212.9	210.4	213.0	213.9	214.3	213.7	214.5	214.1
5	212.9	213.0	212.8	210.4	212.9	210.0	213.0	213.9	214.4	213.8	214.5	214.1
6	212.9	213.0	212.9	210.6	213.0	209.9	213.1	214.0	214.4	214.0	214.7	214.1
7	212.9	213.1	212.9	210.7	213.0	209.8	213.3	214.0	214.4	214.1	214.7	214.1
8	212.9	213.1	212.9	211.0	213.0	209.9	213.3	213.9	214.4	214.3	214.7	214.1
9	212.9	213.1	213.0	211.1	213.0	210.0	213.3	213.9	214.4	214.4	214.7	214.2
10	212.9	213.1	213.0	211.3	213.0	210.3	213.3	214.0	214.5	214.4	214.7	214.3
11	212.9	213.2	213.1	211.5	213.1	210.5	213.3	214.1	214.6	214.5	214.7	214.3
12	212.9	213.2	213.2	211.8	213.1	210.7	213.3	214.1	214.6	214.5	214.6	214.2
13	212.9	213.2	213.3	211.9	213.1	210.9	213.4	214.1	214.5	214.5	214.6	214.2
14	212.9	213.3	213.3	212.0	213.2	211.1	213.5	214.1	214.3	214.5	214.6	214.1
15	213.0	213.3	213.3	212.0	213.0	211.2	213.5	214.1	214.6	214.6	214.5	214.3
16	213.0	213.2	213.2	212.0	212.7	211.3	213.5	214.1	213.5	.....	214.6	214.4
17	213.0	213.1	213.1	212.2	212.7	211.4	213.5	214.1	213.5	.....	214.7	214.3
18	213.0	212.6	213.1	212.2	212.7	211.5	213.6	214.1	213.5	.....	214.8	214.3
19	213.0	212.4	213.2	212.2	212.7	211.6	213.6	214.2	213.6	.....	214.8	.....
20	213.0	212.4	213.3	212.3	212.7	211.8	213.6	214.2	213.7	.....	214.8	214.0
21	213.2	212.5	213.3	212.4	212.7	211.9	213.6	214.2	213.8	.....	214.8	214.1
22	213.1	212.6	213.3	212.4	212.8	212.0	213.6	214.3	213.8	.....	214.7	214.3
23	213.1	212.6	213.3	212.6	212.8	212.1	213.6	214.3	214.0	.....	214.7	214.4
24	.....	212.6	213.3	212.7	212.7	212.3	213.6	214.3	214.1	214.4	214.6	214.4
25	.....	212.5	213.4	212.7	212.7	212.4	213.7	214.3	214.0	214.1	214.6	214.4
26	.....	212.5	213.2	212.7	212.7	212.5	213.8	214.3	213.4	214.4	214.7	214.5
27	.....	212.5	211.6	212.7	212.6	212.6	213.7	214.3	213.3	214.4	214.7	214.6
28	.....	212.5	210.1	212.8	212.6	212.7	213.7	214.2	213.3	214.4	214.6	214.6
29	.....	.....	209.7	212.8	212.6	212.7	213.7	214.1	214.3	214.4	214.5	214.5
30	.....	.....	209.6	212.8	212.7	212.7	213.8	214.1	213.5	214.4	214.4	214.6
31	.....	.....	209.5	.....	212.8	.....	213.9	214.1	.....	214.4	.....	214.3

343. Jefferson Chemical Co. Formerly Travis County Water Dist. No. 2. Lat. 30°21', long. 97°43'. Drilled industrial artesian well in Edwards limestone, diameter 10 inches, depth 458 feet. Land-surface datum is 722.71 feet above msl. Highest water level 97.86 below lsd, July 25, 1941; lowest 195.3 below lsd, Oct. 9, 1940. Records available: 1940-46, 1948-51. Jan. 7, 177.74; Jan. 24, 177.54; Mar. 29, 177.41; Apr. 4, 177.51; May 22, 177.60; June 28, 177.58; July 23, 178.91. Measurement discontinued.

392. Tom Williams. Lat. 30°23', long. 97°44'. Drilled farm water-table well in limestone, diameter 6 inches, depth 49 feet. Land-surface datum is 872.73 feet above msl. Highest water level 8.09 below lsd, Mar. 28, 1946; lowest 17.64 below lsd, Jan. 8, 1951. Records available: 1940-46, 1948-51. Jan. 8, 17.64; Apr. 10, 15.73; Aug. 13, 17.60.

414. J. R. McElroy. Lat. 30°25', long. 97°45'. Drilled farm water-table well in limestone, diameter 6 inches, depth 90 feet. Land-surface datum is 950.09 feet above msl. Highest water level 37.64 below lsd, Mar. 29, 1946; lowest 40.54 below lsd, Jan. 8, 1951. Records available: 1940-46, 1948-51. Jan. 8, 40.54; Apr. 10, 40.47; Aug. 13, 40.21.

460. Rosa Dellanna. Lat. 30°16', long. 97°46'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 135 feet. Highest water level 74.38 below lsd, July 28, 1941; lowest 87.59 below lsd, Dec. 20, 1951. Records available: 1937, 1941-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	85.65	May 22	86.90	Aug. 23	86.90	Oct. 24	87.20
24	86.12	June 28	86.54	Sept. 24	87.09	Dec. 20	87.59
Apr. 24	86.66	July 23	86.80				

502. H. S. Lawson Estate. Lat. 30°11', long. 97°46'. Dug unused water-table well in Austin chalk, diameter 70 inches, depth 25 feet. Highest water level 0.90 above lsd, Jan. 29, 1947; lowest 19.38 below lsd, Jan. 7, 1951. Records available: 1937-51.

Jan. 7	19.38	Mar. 29	10.89	June 28	13.55	Sept. 24	15.58
24	17.67	Apr. 24	14.02	July 23	14.60	Oct. 24	16.61
Feb. 28	15.68	May 22	13.01	Aug. 23	16.19	Dec. 20	17.61

527. Sarah Moore. Lat. 30°13', long. 97°57'. Dug unused water-table well in limestone, diameter 4 feet, depth 50 feet. Highest water level 1.26 below lsd, Apr. 27, 1950; lowest 23.44 below lsd, Jan. 30, 1940. Records available: 1937-51. Jan. 7, 12.14; Jan. 24, 12.61; Feb. 28, 14.59; Mar. 29, 4.77; Apr. 24, 4.55.

618. Homer Heep. Lat. 30°06', long. 97°48'. Dug unused water-table well in Austin chalk, diameter 36 inches, depth 105 feet. Highest water level 7.29 below lsd, Nov. 7, 1946; lowest 27.08 below lsd, Jan. 24, 1951. Records available: 1938-51.

Jan. 7	26.89	Apr. 24	23.17	July 23	20.61	Oct. 24	25.50
24	27.08	May 22	20.24	Aug. 23	24.02	Nov. 28	26.28
Feb. 28	26.62	June 28	17.94	Sept. 24	23.93	Dec. 20	26.46
Mar. 29	24.08						

619. United Gas Pipe Line Co. Lat. 30°05', long. 97°47'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 703 feet, cased to 639 feet. Land-surface datum is 735.98 feet above msl. Highest water level 146.91 below lsd, Mar. 30, 1947; lowest 176.48 below lsd, Feb. 27, 1949. Records available: 1943-51.

Jan. 4	173.42	Apr. 24	175.65	July 23	174.07	Oct. 24	174.97
24	174.15	May 22	175.00	Aug. 23	174.09	Nov. 28	175.51
Feb. 28	174.65	June 28	174.91	Sept. 24	174.75	Dec. 20	175.60
Mar. 29	175.35						

687. Mrs. Elizabeth Jentsch. Lat. 30°13', long. 97°47'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 290 feet. Highest water level 142.25 below lsd, July 28, 1941; lowest 224.55 below lsd, Dec. 20, 1951. Records available: 1939, 1941-46, 1948-51. Jan. 4, 223.90; Apr. 10, 217.59; Aug. 9, 220.37; Dec. 20, 224.55.

890. C. H. Bird. Lat. 30°08', long. 97°48'. Dug unused water-table well in Austin chalk, diameter 5 feet, depth 57 feet. Highest water level 10.17 below lsd, Feb. 17, 1941; lowest 18.09 below lsd, Jan. 7, 1951. Records available: 1937-38, 1941-46, 1948-51.

Jan. 7	18.09	May 22	17.34	Aug. 23	17.02	Oct. 24	17.05
24	17.25	June 28	16.72	Sept. 24	16.92	Dec. 20	17.43
Apr. 24	17.87	July 23	16.87				

892. C. H. Bird. Lat. 30°08', long. 97°48'. Drilled farm artesian well in limestone, diameter 5 inches, depth 277 feet. Land-surface datum is 662.16 feet above msl. Highest water level 52.41 below lsd, May 22, 1945; lowest 118.40 below lsd, Aug. 6, 1948. Records available: 1941-46, 1948-51. Jan. 4, 113.45.

#### Uvalde County

H-2-4. H. I. Holmes. Lat. 29°23', long. 99°42'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 190 feet. Land-surface datum is 1,153.58 feet above msl. Highest water level 113.01 below lsd, Nov. 30, 1932; lowest 187.90 below lsd, May 21, 1930. Records available: 1929-51. Jan. 5, 170.01; May 8, 177.56; Aug. 16, 178.76; Dec. 19, 184.46.

H-2-5. Mrs. W. E. Fitzgerald. Lat. 29°27', long. 99°40'. Drilled farm water-table well in Edwards limestone, diameter 5 inches, depth 100 feet. Land-surface datum is 1,174.82 feet above msl. Highest water level 36.50 below lsd, July 9, 1932; lowest 94.27 below lsd, Dec. 19, 1951. Records available: 1929-51. Jan. 5, 91.86; May 8, 80.02; Aug. 16, 91.89; Dec. 19, 94.27.

H-4-6. Briscoe, Fenley & Spangler. Lat. 29°14', long. 99°51'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 100 feet. Land-surface datum is 950.57 feet above msl. Highest water level 59.05 below lsd, Apr. 10, 1933; lowest 94.70 below lsd, Dec. 19, 1951. Records available: 1929-33, 1935-42, 1944-51. Jan. 4, 79.68; May 14, 83.02; Aug. 15, 88.75; Dec. 19, 94.70.

H-4-28. J. R. Ingraham. Lat. 29°12', long. 99°54'. Drilled unused water-table well in terrace gravel, diameter 5 inches. Land-surface datum is 897.04 feet above msl. Highest water level 11.22 below lsd, Aug. 11, 1935; lowest 36.00 below lsd, May 22, 1930. Records available: 1929-33, 1935-51. May 14, 27.78; Aug. 14, 31.15.

H-4-34. John Rosenow. Lat. 29°15', long. 99°58'. Drilled stock artesian well in Edwards limestone, diameter 10 inches, depth 593 feet. Highest water level 156.01 below lsd, Nov. 2, 1949; lowest 183.99 below lsd, Aug. 14, 1951. Records available: 1939-51. Jan. 5, 174.10; May 14, 180.98; Aug. 14, 183.99.

H-4-35. John Rosenow. Lat. 29°16', long. 99°59'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 100 feet. Highest water level 55.92 below lsd, Nov. 2, 1949; lowest 88.79 below lsd, Aug. 14, 1951. Records available: 1939-45, 1947-51. Dec. 7, 75.40; May 14, 85.36; Aug. 14, 88.79.

H-5-1. City of Uvalde. Lat. 29°12', long. 99°46'. Drilled public-supply artesian well in Edwards limestone, diameter 12 inches, depth 350 feet. Land-surface datum is 904.85 feet above msl. Highest water level 26.74 below lsd, July 6, 1937; lowest 58.01 below lsd, Dec. 31, 1951. Records available: 1929-32, 1934-51.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.07	44.20	45.30	46.37	47.65	47.70	49.15	51.45	53.25	54.55	55.13	56.27
2	43.11	44.16	45.34	46.39	47.80	47.72	49.23	51.53	53.35	54.58	55.12	56.31
3	43.14	44.20	45.38	46.45	47.74	47.69	49.32	51.59	53.45	54.63	55.13	56.34
4	43.19	44.17	45.43	46.47	47.90	47.68	49.41	51.65	53.50	54.69	55.11	56.39
5	43.24	44.19	45.47	46.51	47.96	47.66	49.49	51.75	53.60	54.74	55.10	56.45
6	43.30	44.29	45.57	46.55	48.02	47.66	.....	51.81	53.72	54.82	55.11	56.54
7	43.35	44.33	45.66	46.59	48.00	47.65	.....	51.88	53.82	.....	55.14	56.63
8	43.38	44.43	45.75	46.59	47.99	47.68	.....	51.93	53.90	.....	55.15	56.73
9	43.41	44.48	45.84	46.60	47.99	47.70	.....	52.00	53.95	.....	55.20	56.81
10	43.44	44.59	45.91	46.69	48.03	47.73	.....	52.03	54.00	.....	55.27	56.79
11	43.50	44.69	45.97	46.72	48.01	47.74	.....	52.07	54.06	.....	55.32	56.76
12	43.54	44.68	45.99	46.74	48.00	47.77	.....	52.08	54.11	.....	55.34	56.81
13	43.59	44.70	46.03	46.80	47.98	47.80	.....	52.13	54.13	.....	55.40	56.88
14	43.59	44.65	46.05	46.83	47.97	47.85	.....	52.25	54.09	.....	55.49	56.90
15	43.60	44.76	46.11	46.86	47.94	47.89	.....	52.32	54.05	.....	55.60	56.95
16	43.64	44.75	46.15	46.90	47.89	47.95	.....	.....	54.00	.....	55.64	56.90
17	43.67	44.75	46.21	46.93	47.88	48.00	.....	.....	53.97	.....	55.70	56.90
18	43.71	44.76	46.28	46.98	47.85	48.05	.....	.....	53.95	.....	55.71	56.96
19	43.76	44.77	46.29	47.06	47.84	48.21	50.63	.....	53.96	.....	55.70	57.01
20	43.80	44.79	46.33	47.15	47.83	48.19	50.70	.....	54.00	.....	55.77	57.07
21	43.86	44.83	46.40	47.21	47.81	48.29	50.77	.....	54.03	.....	55.80	57.53
22	43.86	44.89	46.46	47.30	47.82	48.36	50.81	.....	54.10	.....	55.85	57.61
23	43.91	44.96	46.53	47.34	47.84	48.48	50.82	.....	54.15	55.54	55.86	57.63
24	43.98	45.02	46.56	47.40	47.77	48.54	50.96	.....	54.15	55.43	55.90	57.68
25	44.04	45.07	46.50	47.46	47.73	48.60	51.03	.....	54.22	55.47	55.95	57.70
26	44.08	45.10	46.43	47.51	47.69	48.63	51.06	.....	54.34	55.31	55.98	57.74
27	44.12	45.18	46.39	47.58	47.68	48.71	51.10	.....	54.35	55.27	56.08	57.83
28	44.16	45.26	46.38	47.61	47.66	48.81	51.16	.....	54.40	55.21	56.10	57.90
29	44.19	.....	46.38	47.61	47.67	48.93	51.20	53.11	54.47	55.18	56.15	57.97
30	44.20	.....	46.38	47.67	47.67	49.05	51.25	53.05	54.53	55.15	56.22	57.99
31	44.19	.....	46.37	.....	47.69	.....	51.37	53.13	.....	55.14	.....	58.01

H-5-22. Jack Dean. Lat. 29°14', long. 99°47'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 190 feet. Land-surface datum is 933.81 feet above msl. Highest water level 52.90 below lsd, Apr. 10, 1933; lowest 85.43 below lsd, Dec. 19, 1951. Records available: 1929-51. Jan. 3, 71.70; May 8, 76.54; Aug. 15, 80.95; Dec. 19, 85.43.

H-5-26. George Kennedy. Lat. 29°18', long. 99°43'. Drilled stock artesian well in Edwards limestone, diameter 7 inches, depth 200 feet. Land-surface datum is 1,021.38 feet above msl. Highest water level 147.37 below lsd, Nov. 30, 1932; lowest 188.20 below lsd, May 21, 1930. Records available: 1929-38, 1940-44, 1946-51. Jan. 5, 177.1; Aug. 16, 186.69.

H-5-51. O. T. Caldwell. Lat. 29°09', long. 99°49'. Drilled stock artesian well in Edwards limestone, diameter 6 inches, depth 85 feet. Land-surface datum is 907.54 feet above msl. Highest water level 34.70 below lsd, Apr. 11, 1933; lowest 58.24 below lsd, Dec. 19, 1951. Records available: 1929-51. Jan. 3, 46.12; May 8, 50.18; Aug. 15, 53.91; Dec. 19, 58.24.

H-6-8. K. K. Woodley. Lat. 29°18', long. 99°36'. Dug stock water-table well in Austin chalk, diameter 40 inches, depth 89 feet. Land-surface datum is 977.02 feet above msl. Highest water level 68.10 below lsd, Jan. 28, 1936; lowest 78.35 below lsd, Apr. 21, 1930. Records available: 1929-33, 1935-51. May 8, 70.17; Aug. 14, 72.05; Dec. 19, 68.79.

H-6-10. Herbert Stevens. Lat. 29°18', long. 99°30'. Dug farm well in Leona formation of Sellards, diameter 4 feet, depth 77 feet. Highest water level 57.83 below lsd, Oct. 23, 1934; lowest 69.00 below lsd, Dec. 19, 1930. Records available: 1929-44, 1946-51. May 8, 66.66; Aug. 14, 67.42; Dec. 19, 68.79.

H-6-16. Cecil Reagan. Lat. 29°15', long. 99°35'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 1,330 feet. Land-surface datum is 934.34 feet above msl. Highest water level 129.62 below lsd, July 7, 1937; lowest 210.35 below lsd, Mar. 13, 1930. Records available: 1929-34, 1936-38, 1940-44, 1946-51. Jan. 4, 193.06; May 8, 209.38; Aug. 14, 202.38; Dec. 19, 202.28.

H-8-63. Uvalde County Public School. Lat. 29°08', long. 99°42'. Drilled unused water-table well in Leona formation of Sellards, diameter 6 inches, depth 65 feet. Land-surface datum is 846.14 feet above msl. Highest water level 31.61 below lsd, Jan. 25, 1950; lowest 38.11 below lsd, Dec. 21, 1951. Records available: 1945-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	35.60	June 1	33.40	Sept. 13	36.67	Nov. 21	37.22
Feb. 11	35.70	July 10	33.91	Oct. 24	36.98	Dec. 21	38.11
May 4	35.78	31	35.07				

XU-9. Frank Kirchgraber. Lat. 29°14', long. 100°02'. Drilled farm water-table well in Austin chalk, diameter 6 inches, depth 120 feet. Highest water level 48.00 below lsd, Sept. 25, 1937; lowest 72.05 below lsd, Aug. 14, 1951. Records available: 1937-51. May 14, 64.28; Aug. 14, 72.05; Dec. 19, 69.57.

XU-10. Texas & New Orleans Railroad Co. In Cline, lat. 29°14', long. 100°04'. Dug domestic and industrial water-table well in Austin chalk, diameter 10 feet, depth 68 feet. Highest water level 29.86 below lsd, Oct. 27, 1938; lowest 50.96 below lsd, Dec. 19, 1951. Records available: 1937-51. May 14, 48.47; Aug. 14, 47.49; Dec. 19, 50.96.

#### Val Verde County

XV-2. L. A. McNutt. Formerly Otto Koog. Lat. 29°22', long. 100°51'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 145 feet. Highest water level 67.35 below lsd, Dec. 20, 1949; lowest 82.36 below lsd, Dec. 20, 1951. Records available: 1937-44, 1946-51. Aug. 76.23; Dec. 20, 82.36.

XV-3. Patricio Confreres. Lat. 29°22', long. 100°52'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 60 feet. Highest water level 36.86 below lsd, Dec. 20, 1949; lowest 42.65 below lsd, Dec. 20, 1951. Records available: 1937-51. May 15, 41.20; Aug. 15, 42.08; Dec. 20, 42.65.

#### Waller County

152. Mr. Meyers. Lat. 30°04', long. 95°59'. Drilled observation water-table well in sand, diameter 2 inches, depth 20 feet. Highest water level 1.45 below lsd, Jan. 31, 1944; lowest 20.02 below lsd, June 22, 1932. Records available: 1931-50. No measurement made in 1951.

223. T. B. Tucker. Lat. 29°52', long. 95°53'. Drilled irrigation artesian well in sand, diameter 16 to 12 inches, depth 767 feet, screens opposite sands below 117. Highest water level 47.53 below lsd, Apr. 28, 1931; lowest 74.35 below lsd, Nov. 14, 1951. Records available: 1931, 1933, 1939-51. Mar. 30, 69.98; Nov. 14, 74.35.

225. L. E. Morrison well 2. Lat. 29°50', long. 95°53'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 643 feet, screens opposite sands below 155. Highest water level 57.88 below lsd, Mar. 18, 1942; lowest 91.18 below lsd, Nov. 21, 1950. Records available: 1940-51. Mar. 30, 77.22; Nov. 14, 89.39.

235. John Cope. Lat. 29°46', long. 95°51'. Drilled irrigation artesian well in sand, diameter 24 inches, depth 175 feet. Highest water level 48.55 below lsd, Mar. 12, 1931; lowest 73.48 below lsd, Nov. 16, 1951. Records available: 1931, 1933, 1939-51. Mar. 21, 69.86; Nov. 16, 73.48.

239. Lyn Hebert. Lat. 29°55', long. 95°56'. Drilled irrigation artesian well in sand, diameter 30 to 12 inches, depth 828 feet. Highest water level 52.05 below lsd, Apr. 13, 1943; lowest 82.59 below lsd, Nov. 14, 1951. Records available: 1941-51. Apr. 2, 63.69; Nov. 14, 82.59.

240. B. Ray Woods well 3. Lat. 29°47', long. 95°55'. Drilled irrigation artesian well in sand, diameter 20 to 14 inches, depth 290 feet, casing slotted opposite sands below 80. Highest water level 58.08 below lsd, Apr. 13, 1943; lowest 66.39 below lsd, Nov. 14, 1951. Records available: 1940-46, 1948-51. Mar. 21, 64.40; Nov. 14, 66.39.

242. Robichaux & Thompson. Lat. 29°50', long. 95°57'. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 555 feet, casing slotted opposite sands below 60. Highest water level 58.76 below lsd, Mar. 18, 1942; lowest 77.54 below lsd, Oct. 6, 1944. Records available: 1941-51. Apr. 2, 65.23; Nov. 14, 67.34.

245. G. P. Nelson well 2. Lat. 29°52', long. 95°57'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 482 feet, casing slotted opposite sands below 51. Highest water level 56.40 below lsd, Apr. 13, 1943; lowest 95.55 below lsd, Oct. 6, 1944. Records available: 1941-51. Apr. 2, 65.49; Nov. 14, 79.00.

246. A. E. Thompson well 2. Lat. 29°53', long. 95°54'. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 926 feet, casing slotted opposite sands below 145. Highest water level 51.37 below lsd, Mar. 18, 1942; lowest 71.45 below lsd, Nov. 15, 1951. Records available: 1940-46, 1948-51. Mar. 30, 63.68; Nov. 15, 71.45.

247. T. B. Tucker well 5. Lat. 29°51', long. 95°53'. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 641 feet, casing slotted opposite sands below 75. Highest water level 55.57 below lsd, Mar. 15, 1939; lowest 78.30 below lsd, Nov. 14, 1951. Records available: 1939-51. Mar. 30, 73.83; Nov. 14, 78.30.

252. J. A. Kimball. Lat. 29°48', long. 95°50'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 246 feet, casing slotted opposite sands below 90. Highest water level 58.93 below lsd, Mar. 17, 1942; lowest 71.52 below lsd, Mar. 29, 1951. Records available: 1940-51. Mar. 29, 71.52.

#### Wharton County

Measurement discontinued in wells 57, 70a, 84, 200, and 239.

1. Bob Ragsdale. Lat. 29°15', long. 96°34'. Drilled irrigation artesian well in Lissie formation, diameter 18 to 12 inches, depth 155 feet, screens below 90. Highest water level 36.99 below lsd, May 27, 1940; lowest 42.59 below lsd, Apr. 2, 1951. Records available: 1940-47, 1949-51. Apr. 2, 42.59.

8. Lester Glaze. Lat. 29°13', long. 96°28'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 9 inches, depth 200 feet. Highest water level 35.46 below lsd, May 6, 1938; lowest 41.39 below lsd, Mar. 26, 1951. Records available: 1935, 1938-51. Mar. 26, 41.39.

31. H. F. Sharp. Lat. 29°11', long. 96°25'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 310 feet. Highest water level 23.89 below lsd, May 6, 1938; lowest 32.2 below lsd, Apr. 2, 1951. Records available: 1934-35, 1938-51. Apr. 2, 32.2.

32. Harfst Bros. Lat. 29°13', long. 96°22'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 282 feet. Highest water level 29.58 below lsd, Dec. 14, 1942; lowest 34.02 below lsd, June 2, 1934. Records available: 1934-35, 1938-51. Apr. 2, 32.70.

33. Harfst Bros. Lat. 29°17', long. 96°22'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 285 feet. Highest water level 36.46 below lsd, May 6, 1938; lowest 42.58 below lsd, June 2, 1934. Records available: 1934-35, 1938-42, 1946, 1948-51. Apr. 2, 42.09.

66. J. J. Pendergrass. Lat. 29°38', long. 96°18'. Dug and drilled water-table well in sand and gravel, diameter 24 to 2 inches, depth 65 feet. Highest water level 20.16 below lsd, Dec. 20, 1941; lowest 28.47 below lsd, Apr. 5, 1951. Records available: 1940-51. Apr. 5, 28.47.

81. William J. Corman. In Lissie, lat. 29°33', long. 96°13'. Drilled unused water-table well in Lissie formation, diameter 6 inches, depth 45 feet. Highest water level 19.87 below lsd, Apr. 5, 1951; lowest 25.67 below lsd, Apr. 19, 1940. Records available: 1940-45, 1947-51. Apr. 5, 19.87.

96. Frank Bucek. Lat. 29°25', long. 96°04'. Drilled farm water-table well in Lissie formation, diameter 18 inches, depth 38 feet. Highest water level 20.95 below lsd, Mar. 27, 1947; lowest 24.03 below lsd, Aug. 30, 1935. Records available: 1934-35, 1938-51. Mar. 27, 22.23. Measurement discontinued.

108. City of Wharton well 1. In Wharton, lat. 29°18', long. 96°06'. Drilled public-supply artesian well in Lissie formation and Willis sand, diameter 15 to 8 inches, depth 940 feet. Highest water level 19.89 below lsd, Aug. 31, 1936; lowest 30.08 below lsd, Mar. 27, 1951. Records available: 1934-36, 1938-48, 1950-51. Mar. 27, 30.08.

109. City of Wharton well 2. In Wharton, lat. 29°18', long. 96°06'. Drilled public-supply artesian well in Lissie formation and Willis sand, diameter 16 to 10 inches, depth 413 feet, screens between 212 and 393. Highest water level 26.23 below lsd, Dec. 18, 1942; lowest 33.54 below lsd, Mar. 24, 1950. Records available: 1934-35, 1937-45, 1947-51. Mar. 27, 32.38.

148. City of El Campo. Formerly Central Power & Light Co. In El Campo, lat. 29°11', long. 96°16'. Drilled public supply artesian well in Lissie formation, diameter 17 to 6 inches, depth 1,188 feet, screens between 856 and 1,072. Highest water level 28.99 below lsd, Dec. 17, 1942; lowest 44.42 below lsd, Mar. 27, 1951. Records available: 1942-47, 1950-51. Mar. 27, 44.42.

165. H. P. Stockton. Lat. 29°06', long. 96°25'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 280 feet. Highest water level 21.90 below lsd, Feb. 4, 1938; lowest 29.10 below lsd, Sept. 23, 1939. Records available: 1934-35, 1938-51. Mar. 26, 28.86.

173. Stoval & Appling. Lat. 29°00', long. 96°20'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 12 inches, depth 390 feet. Highest water level 12.36 below lsd, Apr. 12, 1943; lowest 21.50 below lsd, Apr. 16, 1946. Records available: 1934-35, 1938-47, 1949-51. Apr. 4, 13.84.

178. A. Johnson. Lat. 29°05', long. 96°17'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 290 feet, screens between 57 and 290. Highest water level 18.68 below lsd, Mar. 30, 1944; lowest 23.13 below lsd, May 6, 1938. Records available: 1934-35, 1938-47, 1949-51. Apr. 4, 22.29.

181. C. C. Appling. Lat. 29°05', long. 96°15'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 522 feet. Highest water level 23.09 below lsd, Apr. 12, 1943; lowest 30.56 below lsd, Mar. 23, 1950. Records available: 1934-35, 1948-51. Apr. 4, 26.65.

186. Otto Mickelson. Lat. 29°05', long. 96°13'. Drilled unused artesian well in Lissie formation, diameter 24 to 10 inches, depth 342 feet. Highest water level 13.73 below lsd, Apr. 12, 1943; lowest 20.31 below lsd, Apr. 5, 1951. Records available: 1935, 1938-51. Apr. 5, 20.31.

209. J. C. Allen. Lat. 29°08', long. 96°10'. Drilled unused artesian well in Lissie formation, diameter 26 to 10 inches, depth 439 feet. Highest water level 12.30 below lsd, Mar. 29, 1944; lowest 19.36 below lsd, Aug. 30, 1935. Records available: 1934-35, 1938-47, 1949-51. Apr. 4, 15.75.

241. Texas Gulf Sulphur Co. Lat. 29°15', long. 95°54'. Drilled unused artesian well in Lissie formation and Willis sand, diameter 20 inches, depth 487 feet. Highest water level 17.3 below lsd, Feb. 15, 1934; lowest 40.72 below lsd, Dec. 18, 1939. Records available: 1934-35, 1937-51. Mar. 27, 30.09.

#### Williamson County

Measurement discontinued in well 342.

344. W. O. Garrison. Lat. 30°33', long. 97°41'. Drilled farm water-table well in limestone, diameter 4 inches, depth 117 feet. Land-surface datum is 791.41 feet above msl. Highest water level 83.15 below lsd, July 15, 1941; lowest 123.90 below lsd, Apr. 9, 1951. Records available: 1940-46, 1948-51. Jan. 5, 123.72; Apr. 9, 123.90; Aug. 10, 120.70.

346. F. C. Martiness. Lat. 30°34', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 350 feet. Land-surface datum is 824.11 feet above msl. Highest water level 113.72 below lsd, May 25, 1945; lowest 137.72 below lsd, Dec. 6, 1950. Records available: 1941-46, 1948-51. Apr. 9, 135.35.

353. Mrs. H. B. Hurt. Formerly Walter Thwing. Lat. 30°36', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 175 feet. Land-surface datum is 798.20 feet above msl. Highest water level 93.26 below lsd, July 25, 1941; lowest 130.56 below lsd, Apr. 9, 1951. Records available: 1940-46, 1948-51. Jan. 5, 130.28; Apr. 9, 130.56; Aug. 10, 130.00.

418. Henry Hartman. Lat. 35°36', long. 97°40'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 130 feet. Land-surface datum is 761.8 feet above msl. Highest water level 77.21 below lsd, May 25, 1945; lowest 102.87 below lsd, Jan. 5, 1951. Records available: 1940-43, 1945, 1948-51. Jan. 5, 102.87; Apr. 9, 120.06; Aug. 10, 102.20.

889. T. B. Bailey, Jr. Formerly R. T. Love. Lat. 30°32', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 400 feet. Land-surface datum is 785.62 feet above msl. Highest water level 67.11 below lsd, July 25, 1941; lowest 99.32 below lsd, Aug. 10, 1951. Records available: 1940-46, 1948-51. Aug. 10, 99.32.

922. R. R. Stolley. Lat. 39°29', long. 97°40'. Drilled farm water-table well in limestone, diameter 4 inches, depth 149 feet. Land-surface datum is 809.97 feet above msl. Highest water level 107.57 below lsd, July 25, 1941; lowest 148.14 below lsd, Jan. 5, 1951. Records available: 1940-46, 1948-51. Jan. 5, 148.14. Measurement discontinued.

#### Zavala County

Measurement discontinued in H7-20, M3-29, M6-18, N5-21.

H7-13. Roy Cornett. Lat. 29°00', long. 99°51'. Drilled stock water-table well in Carrizo sand, diameter 10 inches, depth 172 feet, cased to 172, perforated 132-172. Land-surface datum is 787.54 feet above msl. Highest water level 110.55 below lsd, Feb. 8, 1928; lowest 141.98 below lsd, Sept. 17, 1951. Records available: 1928-33, 1948-51. Sept. 17, 141.98.

H8-68. A. D. Walker. Lat. 29°00', long. 99°48'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 84 feet. Highest water level 57.91 below lsd, Oct. 29, 1949; lowest 66.10 below lsd, Dec. 21, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	63.21	June 1	63.50	Sept. 17	64.82	Nov. 21	65.69
Feb. 11	63.38	July 10	63.79	Oct. 24	65.41	Dec. 21	66.10
May 4	63.39	31	63.88				

M6-10. W. M. Van Cleve. Lat. 28°45', long. 100°04'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 150 feet. Land-surface datum is 651.65 feet above msl. Highest water level 65.60 below lsd, Oct. 2, 1931; lowest 106.66 below lsd, Sept. 15, 1951. Records available: 1930-34, 1936-46, 1948-51. Sept. 15, 106.66.

M6-16. J. S. Steward. Lat. 28°44', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 5 inches, depth 300 feet. Land-surface datum is 626.55 feet above msl. Highest water level 38.40 below lsd, Jan. 12, 1938; lowest 55.16 below lsd, Sept. 12, 1951. Records available: 1930-40, 1942-51. Sept. 12, 55.16.

M6-16a. J. S. Steward. Lat. 28°44', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 300 feet. Highest water level 61.40 below lsd, July 23, 1947; lowest 74.20 below lsd, Sept. 12, 1951. Records available: 1947-51. Sept. 12, 74.20.

M6-19. L. D. Van Cleve. Lat. 28°40', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 180 feet. Land-surface datum is 632.05 feet above msl. Highest water level 48.50 below lsd, Oct. 2, 1931; lowest 80.44 below lsd, Aug. 16, 1950. Records available: 1930-51. Sept. 12, 77.20.

M9-1. T. B. Mear. In Cometa, lat. 28°39', long. 100°00'. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 335 feet. Land-surface datum is 632.80 feet above msl. Highest water level 45.20 below lsd, Feb. 6, 1928; lowest 121.76 below lsd, Sept. 12, 1951. Records available: 1928-34, 1936-51. Sept. 12, 121.76. Measurement discontinued.

