

# Water Levels and Artesian Pressure in Observation Wells in the United States in 1949

## Part 4. South-Central States

*Prepared under the direction of C. G. PAULSEN, Chief Hydraulic Engineer*

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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**

**Oscar L. Chapman, *Secretary***

**GEOLOGICAL SURVEY**

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## **PREFACE**

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# **WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1949**

## **Part 4. SOUTH-CENTRAL STATES**

### **INTRODUCTION**

By A. N. Sayre and others

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 were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; and 1939, 886. Beginning with 1940 the 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-level reports from 1940 through 1949.

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	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161

Ground-water investigations are concerned with the availability of usable water supplies, land drainage, flood control, construction of waterways and dams, mine drainage, and other problems to which the principles of ground-water hydrology are pertinent. Water levels in wells indicate the stages of the aquifers; they show the extent to which water supplies

are depleted by drought or by heavy pumping, and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The recorded changes of pressure in artesian wells also indicate depletion or replenishment of the artesian supplies.

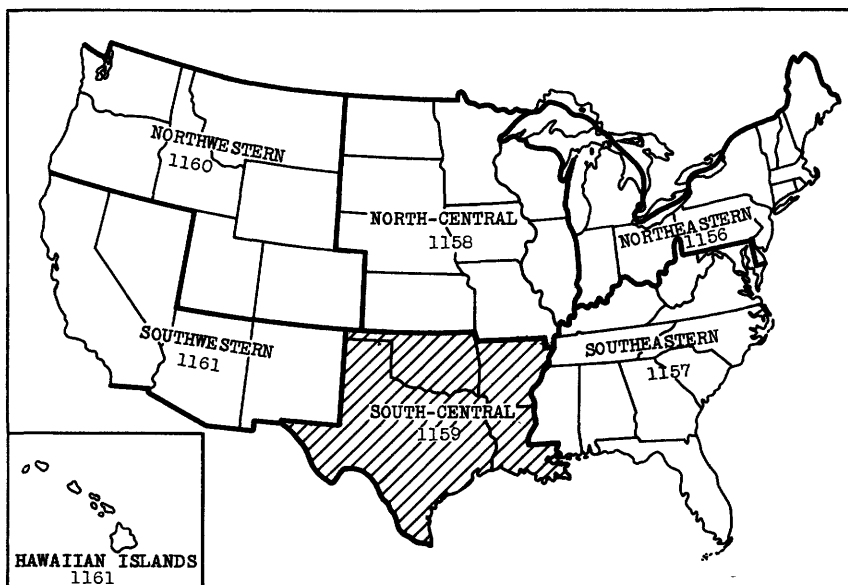


Figure 1.--Outline map of the United States showing States included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1949. The shaded area indicates the States included in this volume.

This volume gives records of water levels and artesian pressures in observation wells in the south-central States (Arkansas, Louisiana, Oklahoma, and Texas). Of the 1,858 wells listed, 73 are equipped with recording gages. Descriptive matter for some wells is given in previous reports. For wells not previously reported complete records of water levels are given. For wells whose previous records have been published this volume gives only the current records.

Before 1943, the water levels and artesian pressures for some wells were given in feet above or below the measuring points and for other wells in feet above or below sea level or above or below various assumed datum



planes. In 1943, a precise datum plane was selected at each well which was approximately the land surface. The water levels and artesian heads for all wells listed in this volume are referred to land-surface datum. Water levels above this datum are preceded by a plus (+) sign, those below this datum have no sign but are understood to be minus (-).

Measurement 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 general charge of the nation-wide observation-well program.



## ARKANSAS

By J. H. Criner

### PROGRAM OF WORK

The observation-well program in Arkansas, begun in the Grand Prairie region in 1927, was continued in 1949 in cooperation with the State Agricultural Experiment Station and the Federal Land Bank of St. Louis. In 1949 the University of Arkansas, Institute of Science and Technology, also cooperated in the observation-well program. Professor Kyle Engler assisted in the measuring of water levels in the rice-growing areas. This report includes measurements made in 62 wells, one of which was equipped with a recording gage.

The Grand Prairie region is a part of the Gulf Coastal Plain. The section consists, at the top, of beds of clay, silt, sand, and gravel of Pleistocene age that range from less than 100 feet to 250 feet or more in thickness. Throughout practically the entire area the upper part of these beds, to a depth of 25 to 100 feet in different places, consists largely of clay or silt, which is apparently very impervious. The Grand Prairie region of Arkansas comprises Arkansas County, large parts of Lonoke and Prairie Counties, and small parts of Jefferson and Monroe Counties. Rice is extensively cultivated in the region.

Water-Supply Paper 777 contains an account of the early pumping operations and their effect on the general ground-water level. In June 1945 a comprehensive report summarizing all of the work done in cooperative investigations was published by the University of Arkansas (College of Agriculture Bulletin 457). In March 1949 the State University Bureau of Research issued a report on the ground-water resources of Ashley County (Research Series No. 16). A report on the ground-water resources of the Crossett area, Ashley County, will also be published by the State University.

## FLUCTUATIONS OF WATER LEVELS

The fluctuations of water levels in wells in the Grand Prairie region are caused, in part, by differences in natural recharge and discharge from the aquifer. The water levels in nearly all wells in the region fluctuate as a result of atmospheric pressure changes; this may be as much as 0.8 foot in one day to 1 foot in a few days. Corrections for changes in atmospheric pressure can be made and are necessary to make accurate comparisons of water levels at different times. Measurements given here have not been corrected for atmospheric changes. In the extreme southeastern part of the region some fluctuation of water levels is caused by the changing stage of White River.

The greatest changes in water levels in the region are due to pumping. The water levels tend to stand highest in the spring before the irrigation pumping begins, then decline during the pumping period. The rate of decline is large at first, then gradually decreases. After pumping stops the water levels rise, rapidly at first, and then at a decreasing rate, and, by spring, tend to stand near the previous spring levels. The general trend of water level or artesian head may be determined by annual measurements made 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 due to differences in pumping. Fall water-level measurements have not been made for several years.

Well 280, in the Grand Prairie region, is equipped with an automatic water-stage recorder, and measurements of the water level were given at times the recorder charts were changed, which was generally once a week. A continuous record of fluctuations of water level in this well has been obtained since August 1928.

There are three areas in Ashley County devoted chiefly to growing rice, the largest of which is in Pine Prairie, about 8 miles northeast of Hamburg. Another area is 4-5 miles southwest of Hamburg, and the other area extends northwestward from Hamburg for a distance of about 5 miles. The land planted to rice in Ashley County increased from about 200 acres in 1942 to about 6,500 acres in 1949. Most of this is irrigated from wells.

A program of annual spring measurements of depth to water levels in irrigation wells in Ashley County was started in 1946. In 1949 measurements were made in 15 wells of which 10 are given in this report.

It is not possible to make a significant evaluation of the fluctuations of water level in Ashley County at present because of the short period of record and also because there are complex changes of the water levels caused by the rapid increase in the amount of ground water pumped and the expansion of the area from which it is withdrawn.

#### WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

##### Arkansas County

280. Fred Hederich. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, T. 3 S., R. 5 W. Records available: 1935-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	96.44	Apr. 9	96.56	July 9	97.28	Oct. 8	97.60
8	96.59	17	96.72	17	97.32	16	97.55
15	96.58	24	96.62	23	97.79	22	97.75
22	96.95	30	96.09	30	97.48	31	97.52
29	97.25	May 7	96.28	Aug. 6	97.91	Nov. 5	97.68
Feb. 5	96.48	14	96.42	13	97.94	12	97.05
12	96.62	21	96.29	21	98.28	19	97.18
19	96.68	28	96.85	27	97.82	26	96.98
26	96.65	June 4	97.04	Sept. 3	97.70	Dec. 4	97.70
Mar. 5	96.50	11	97.21	10	97.71	10	97.00
12	96.50	19	97.36	17	97.53	16	97.43
19	96.90	25	97.23	24	97.80	23	97.63
26	96.12	July 2	97.18	Oct. 1	97.69	30	97.49
Apr. 2	96.41						

The following table gives the highest and lowest water levels reached during the period 1938-49. The high stages are due partly to extremely low atmospheric pressure. The water levels given here have not been corrected for barometric fluctuations.

Year	Date	Lowest level	Date	Highest level
1938	Sept. 4	93.90	Feb. 18	87.71
1939	Aug. 21	94.86	Jan. 29	88.00
1940	Aug. 6	94.69	Apr. 17	89.12
1941	Aug. 17	94.90	Apr. 21	89.58
1942	Aug. 3	94.70	Apr. 9	90.10
1943	Aug. 27	96.92	May 24	90.84
1944	Aug. 20	97.62	Apr. 11	91.61
1945	Aug. 27	97.39	Mar. 1	92.20
1946	Aug. 31	98.90	Mar. 15	93.00
1947	Aug. 18	100.42	Jan. 29	94.20
1948	July 7	99.60	Apr. 11	95.52
1949	Aug. 21	98.28	Mar. 9	96.00

205A. D. F. Fowler. Near NW corner sec. 4, T. 2 S., R. 5 W. Records available: 1946-49. Apr. 19, 101.57.

210. W. H. Kornbaum. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, T. 2 S., R. 5 W. Records available: 1938-44, 1947-49. Apr. 22, 97.00.

245. J. W. Darrough. Near NW. corner sec. 22, T. 2 S., R. 4 W. Records available: 1940-42, 1947-49. Apr. 19, 85.98.
261. W. M. Trice. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 2 S., R. 3 W. Records available: 1935-42, 1945, 1947-49. Apr. 19, 65.69.
274. W. W. Crum. NW $\frac{1}{4}$  sec. 29, T. 3 S., R. 6 W. Records available: 1940-44, 1946-49. Apr. 4, 32.38.
305. Pearl Clow. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T. 3 S., R. 5 W. Records available: 1940-42, 1946-49. Apr. 4, 54.20.
311. W. J. Schrock. NW $\frac{1}{4}$  sec. 5, T. 3 S., R. 4 W. Records available: 1938-46, 1948. No measurement made in 1949.
318. University of Arkansas. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, T. 3 S., R. 4 W. Records available: 1935-49. Apr. 5, 89.63.
344. F. T. Hill. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T. 3 S., R. 4 W. Records available: 1938-49. Apr. 5, 97.06.
353. R. L. Mitchell. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, T. 3 S., R. 3 W. Records available: 1938-42, 1947-49. Apr. 5, 81.77.
355. W. A. Fehrenbaker. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 3 S., R. 3 W. Records available: 1940-42, 1945-49. Apr. 5, 76.12.
364. J. T. McWilliams. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 3 S., R. 2 W. Records available: 1940-42, 1947-49. Apr. 7, 55.06.
- 374A. C. W. McDougall. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 4 S., R. 5 W. Records available: 1939-42, 1945, 1947-49. Apr. 4, 44.88.
378. Yeske. Near SE. corner sec. 13, T. 4 S., R. 5 W. Records available: 1939-42, 1945, 1947-49. Apr. 7, 91.15.
- 392A. F. E. Hillman. SW $\frac{1}{4}$  sec. 1, T. 4 S., R. 4 W. Records available: 1939-42, 1945-49. Apr. 5, 85.74.
414. J. T. McWilliams. Near NE. corner sec. 11, T. 4 S., R. 2 W. Records available: 1938-42, 1945-49. Apr. 7, 61.07.
415. J. W. Watkins. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 4 S., R. 2 W. Records available: 1940-42, 1945-49. Apr. 7, 69.85.
437. B. L. Williams. Near SW. corner sec. 11, T. 5 S., R. 4 W. Records available: 1939-42, 1947-49. Apr. 8, 78.28.
440. American Southern Trust Co. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, T. 5 S., R. 4 W. Records available: 1938-42, 1945-49. Apr. 6, 90.77.
456. E. W. McCuskey. Near NW. corner NE $\frac{1}{4}$  sec. 16, T. 5 S., R. 3 W. Records available: 1935-42, 1945-49. Apr. 7, 87.57.
- 457A. Missouri State Insurance Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 31, T. 5 S., R. 3 W. Records available: 1940-42, 1944-49. Apr. 6, 76.13.
461. DeWitt Bank & Trust Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T. 5 S., R. 2 W. Records available: 1939-44, 1947-49. Apr. 7, 56.83.
491. Cunningham & Felt. Spanish grant 2358, equivalent to sec. 24, T. 7 S., R. 4 W. Records available: 1940-42, 1948-49. Apr. 6, 36.28.
499. Quandt & Lowe. Spanish grant 2300, equivalent to sec. 27 or 34, T. 7 S., R. 3 W. Records available: 1935-42, 1947-49. Apr. 6, 38.17.
506. J. M. Satchfield. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 7 S., R. 2 W. Records available: 1938-42, 1947-49. Apr. 6, 45.06.

507. J. M. Satchfield. Near SW. corner sec. 16, T. 7 S., R. 2 W. Records available: 1935-42, 1947-49. Apr. 6, 35.24.

514. J. M. Satchfield. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 33, T. 7 S., R. 2 W. Records available: 1940-42, 1947-49. Apr. 6, 35.71.

B91. Enders. SE $\frac{1}{4}$  sec. 10, T. 2 S., R. 4 W. Records available: 1940-42, 1945-49. Apr. 19, 87.23.

B133. Snow Wilson (Goetz). SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 4 S., R. 5 W. Records available: 1940-42, 1945-49. Apr. 4, 71.29.

B189. W. J. Bohnert. NW $\frac{1}{4}$  sec. 32, T. 7 S., R. 3 W. Records available: 1940-42, 1947-48. No measurement made in 1949.

B192. W. J. Bohnert. Sec. 5, T. 8 S., R. 3 W. Records available: 1940-42, 1948-49. Apr. 6, 28.72.

#### Ashley County

3. F. Harbinson. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, T. 16 S., R. 6 W. Records available: 1946-49. Apr. 26, 72.27.

4. F. Harbinson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 15, T. 16 S., R. 6 W. Records available: 1947-49. Apr. 26, 70.97.

5. F. Harbinson. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T. 16 S., R. 6 W. Records available: 1946-49. Apr. 26, 71.53.

9. Daniels. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T. 16 S., R. 6 W. Records available: 1948-49. Apr. 26, 68.64.

11. H. Davis. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, T. 16 S., R. 6 W. Records available: 1946-49. Apr. 26, 62.61.

16. F. Blank. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 7, T. 17 S., R. 7 W. Records available: 1946-48. No measurement made in 1949.

17. F. Blank. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 17 S., R. 7 W. Records available: 1946-48. No measurement made in 1949.

24. Miller & Harris. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, T. 17 S., R. 8 W. Records available: 1946-48. Apr. 26, 71.95.

33. Miller & Harris. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, T. 18 S., R. 8 W. Records available: 1946-49. Apr. 27, 72.24.

34. Miller & Harris. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, T. 18 S., R. 8 W. Records available: 1946-49. Apr. 27, 70.06.

#### Jefferson County

270. V. D. Harlan. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, T. 3 S., R. 7 W. Records available: 1938-42, 1948-49. Apr. 4, 21.09.

#### Lonoke County

5. C. Lilly. SE. corner SW $\frac{1}{4}$  sec. 31, T. 3 N., R. 7 W. Records available: 1940-42, 1944-49. Apr. 21, 68.35.

8. Owner unknown. Near NW. corner sec. 4, T. 2 N., R. 8 W. Records available: 1938-49. Apr. 21, 58.34.

19. C. G. Miller. SW $\frac{1}{4}$  sec. 26, T. 2 N., R. 8 W. Records available: 1940-49. Apr. 21, 60.25.

27. J. T. Kelly. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 2 N., R. 7 W. Records available: 1940-42, 1944, 1947-49. Apr. 21, 72.34.

28. G. Koch. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 2 N., R. 7 W. Records available: 1938-44, 1947-49. Apr. 21, 78.86.

37. Owner unknown. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 2 N., R. 7 W. Records available: 1940-49. Apr. 21, 64.40.

61. Lonoke County Bank, Bishop farm. 150 feet north and 250 feet east of the southwest corner of sec. 4, T. 1 N., R. 8 W. Records available: 1939-44, 1947-49. Apr. 21, 55.28.

126. Vennum & Patterson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, T. 1 S., R. 7 W. Records available: 1935-44, 1947-49. Apr. 21, 43.84.

127. Vennum & Patterson. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 14, T. 1 S., R. 7 W. Records available: 1938-49. Apr. 21, 40.37.

#### Monroe County

178. Kreimeir Estate. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 1 S., R. 4 W. Records available: 1940-44, 1946-49. Apr. 22, 76.35.

193. H. H. Burns. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 19, T. 1 S., R. 3 W. Records available: 1939-42, 1948-49. Apr. 19, 70.44.

#### Prairie County

45. F. Dvorak. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 2 N., R. 6 W. Records available: 1940-45, 1948. No measurement made in 1949.

55. George Jensen. Near SW. corner sec. 13, T. 2 N., R. 5 W. Records available: 1935-49. Apr. 19, 63.60.

88. H. Hardke. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, T. 1 N., R. 6 W. Records available: 1939-44, 1947-49. Apr. 20, 63.42.

97. J. A. Papan. SW. corner sec. 20, T. 1 N., R. 6 W. Records available: 1940-44, 1946-49. Apr. 20, 67.10.

110. F. W. Sickel. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, T. 1 N., R. 5 W. Records available: 1940-44, 1946-49. Apr. 19, 86.91.

122. G. Randall. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 1 N., R. 4 W. Records available: 1939-44. No measurement made in 1949.

135. C. D. Yohe. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, T. 1 S., R. 6 W. Records available: 1935-45, 1947-49. Apr. 20, 50.58.

144. Powell. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, T. 1 S., R. 5 W. Records available: 1935-39, 1945. No measurement made in 1949.

201. Owner unknown. N $\frac{1}{2}$ NW $\frac{1}{4}$  sec. 14, T. 2 S., R. 6 W. Records available: 1938-49. Apr. 20, 52.92.



## LOUISIANA

By A. N. Turcan, Jr., L. J. Whaley, and A. B. Jones

### PROGRAM OF WORK

The observation-well program in Louisiana was begun in May 1938 in cooperation with the Louisiana Department of Conservation. An expansion of the program was made possible in 1943 when the Louisiana Department of Public Works also entered into cooperation with the Geological Survey. A modest addition to the scope of observations was made in 1948 and continued in 1949.

Observations of water levels were made in 307 key wells in 31 parishes in 1949, in which a total of 2,334 individual tape measurements was made. Automatic water-stage recorders were in operation on 40 of these wells for at least a part of the year, enabling more reliable interpretation of measured water-level fluctuations. Of these recorders, 24 were of the weekly type and 16 were of the continuous type. Measurements were made on a weekly basis in 24 wells, at monthly intervals in 65 wells, at quarterly intervals in 120 wells, and in the remainder (89 wells), at irregular intervals.

All water-level measurements are given in feet below land-surface datum unless otherwise indicated.

The locations of all observation wells in Louisiana for which records were obtained are shown on the map, figure 2. All measurements were made by members of the technical staff except those for Sc-6, at Norco, which were made through the cooperation of officials of the Shell Oil Company.

The investigational program was directed primarily toward solution of the industrial and irrigation water-supply problems of southwestern Louisiana. Numerous local exploratory projects for cities and towns required considerable attention. A water-supply paper<sup>1</sup> on ground-water conditions at Natchitoches was published in September.

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<sup>1</sup> Maher, J. C., and Jones, P. H., Ground-water exploration in the Natchitoches area, Louisiana: U. S. Geol. Survey Water-Supply Paper 968-D, pp. 159-211, 1949.

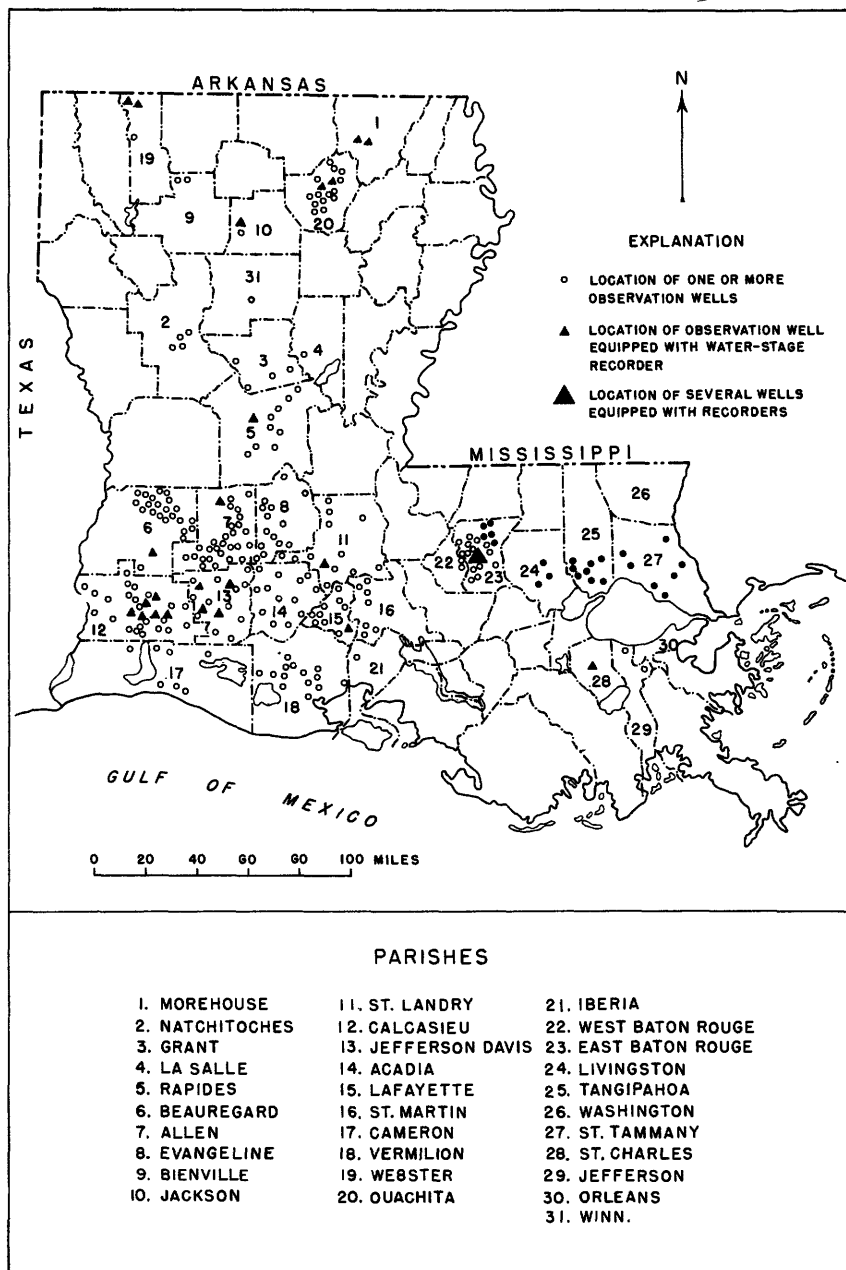


Figure 2.--Map of Louisiana showing location of observation wells, 1949.

## FLUCTUATIONS OF WATER LEVELS

Northern Louisiana.--Observations of the 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. The records generally indicate little change in the water levels from previous years. However, the heavy withdrawals of water from the deeper sands (890 feet) at Bastrop caused a decline of water level during the year from 166 to 177 feet below land surface in well Mo-9. (See fig. 3.)

Levels in shallower (100-foot) wells at Bastrop showed no significant change during the year, although the ground-water conditions continue to be near critical.

Conditions in the deeper sands (250 to 400 feet) at Springhill were about the same as in 1948, but pumpage from a Ranney Collector caused a decline of about 11 feet in nearby wells tapping the shallow (100 to 150 feet) sands. Supply conditions continue to be critical in this area.

Records for a well, Ja-13, at Hodge (fig. 4) showed a recovering water level during the spring months but the water-level conditions during the last few months of 1949 are similar to those which occurred in 1948.

Central Louisiana.--During 1949, 323 measurements of water level were made in 20 wells in Natchitoches, Grant, LaSalle, Rapides, and Winn Parishes. Of these wells, 14 were measured at monthly intervals, 5 at weekly intervals, and 1, R-26 at Alexandria, was equipped with an automatic water-stage recorder.

Wells in the Alexandria area that tap the "1,100-foot" sand, the principal aquifer, showed a marked recovery, as shown by the hydrograph, figure 5. Reduced demand from municipal wells in the urban area made possible by use of the Bayou Rapides well field outside the city is probably the most important factor influencing the trend.

At Fishville, in Grant Parish, the recorded pressure head of a well 397 feet deep remained steady at about 3 feet above land-surface datum, the highest pressure recorded since 1947.

Artesian pressures of two wells that tap an aquifer in the Wilcox formation in the vicinity of the Natchitoches well field, about 5 miles south of the city, showed a slight rise during 1949.

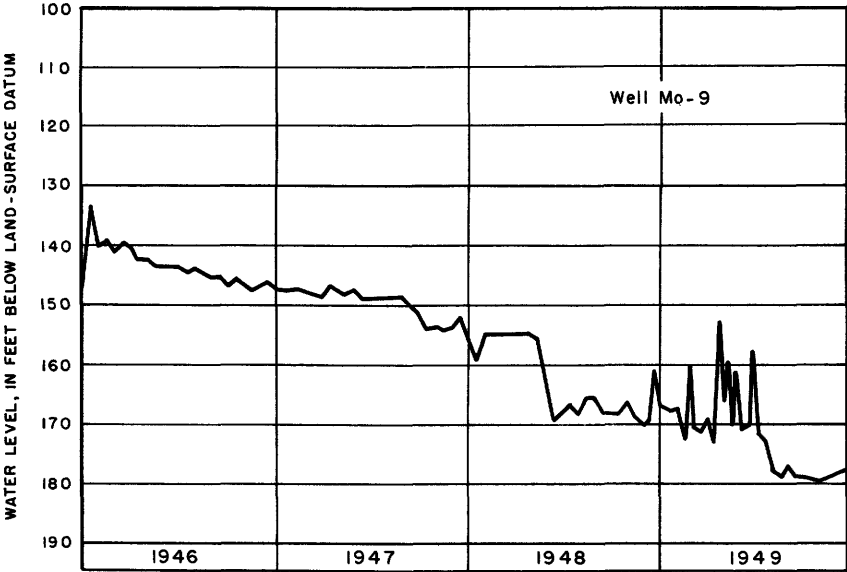


Figure 3.--Graph showing fluctuations of water level in well at Bastrop, Louisiana, 1946-49.

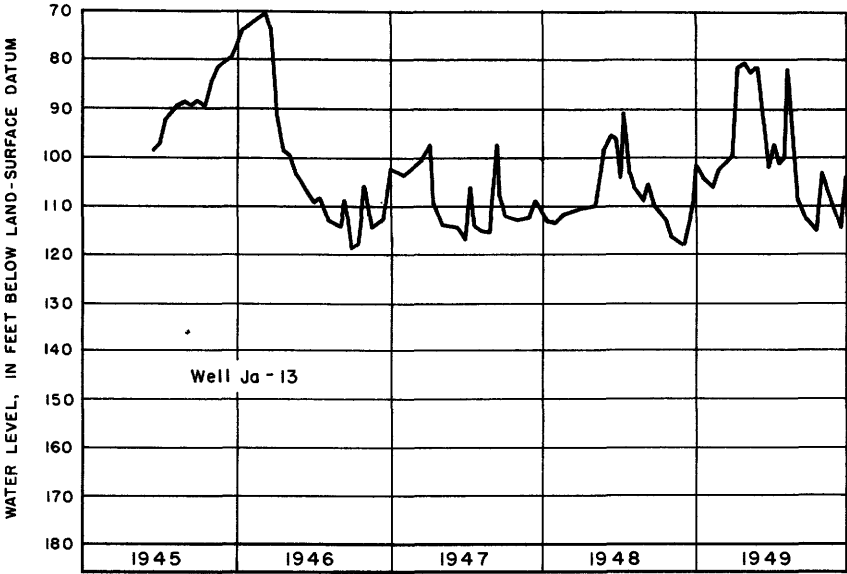


Figure 4.--Graph showing fluctuations of water level in well at Hodge, Louisiana, 1945-49.

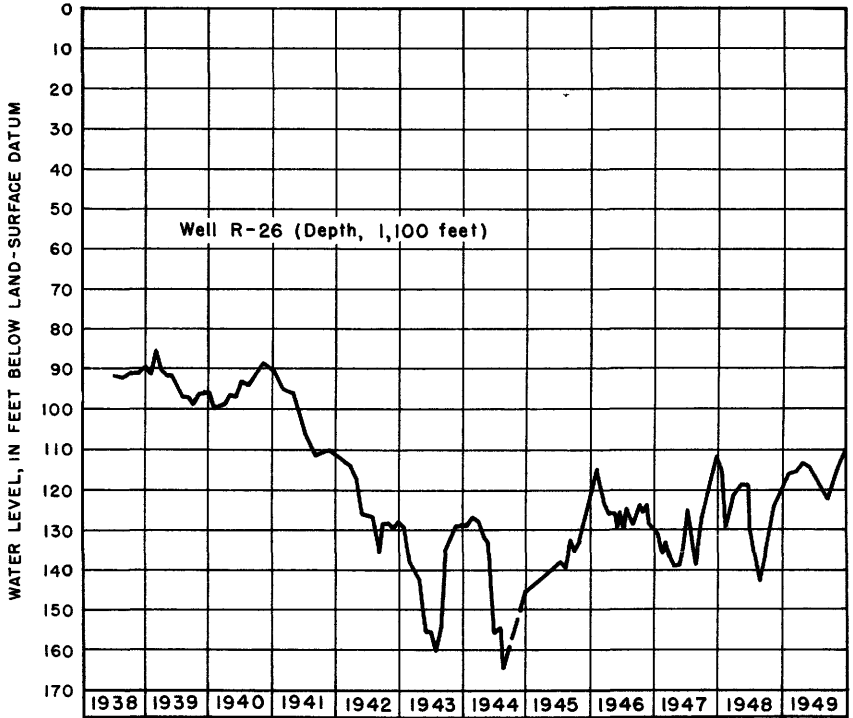


Figure 5.--Graph showing fluctuations of water level in well at Alexandria, Louisiana, 1938-49.

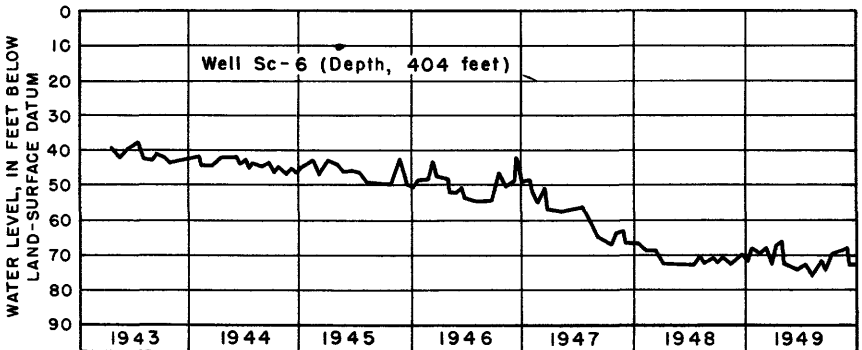


Figure 6.--Graph showing fluctuations of water level in well at Norco, Louisiana, 1943-49.

Southwestern Louisiana.--During 1949, 1,450 measurements of water level were made in wells in 12 parishes and automatic water-stage recorders were operated on 20 wells. The observation-well program was continued on a broad scale to enable preparation of piezometric maps of water in sand and gravel of Pleistocene age that supplied about 156 billion gallons of water in 1949 for agricultural, municipal, and industrial purposes. Precipitation during the rice-growing season this year was about 3 inches above normal. As a result, the amount of ground water required for irrigation in 1949 was about 67 billion gallons less than in 1948. Because of this decrease in total pumpage the water level decline for 1949 did not reach the low which occurred in 1948, as shown by the hydrograph, figure 7 .

Water levels in wells that tap the "500-foot" sand in the Lake Charles area showed little change from the previous year. The hydrograph, figure 8, illustrates the trend. Fluctuations were largely the result of withdrawals from wells tapping the "500-foot" sand for industrial purposes. Levels in the "700-foot" sand in the Lake Charles area, which is tapped by fewer industrial wells than the "500-foot" sand but supplies the municipal needs of Lake Charles, showed a marked decline during the summer months, but at no time during the year were levels as low as in the previous year. See figure 8 .

Southeastern Louisiana.--488 measurements of water level or artesian pressure were made in 66 wells in 8 parishes in this area during 1949. In addition, automatic water-stage recorders were operated on 1 well in Orleans Parish, 1 well in St. Charles Parish, and 10 wells in East Baton Rouge Parish.

Water levels in wells that tap the "A-1" and "A-2" sands in the Baton Rouge area, commonly referred to as the "400-foot" and "600-foot" sands, failed to recover to levels of the previous spring, as a result of continued heavy withdrawals from wells for industrial purposes. The decline and recovery of the water levels in key wells that tap these sands is graphically illustrated in figure 10. Records for well EB-312, which is 1,370 feet deep, shows a steady decline of the water level from about 5 feet below land-surface datum in January to a low of about 10 feet below land-surface datum in December. The fluctuations of the water level in this well and in well EB-315, which taps sands that occur below a depth of 1,700 feet in the Baton Rouge area, are shown in figure 9.

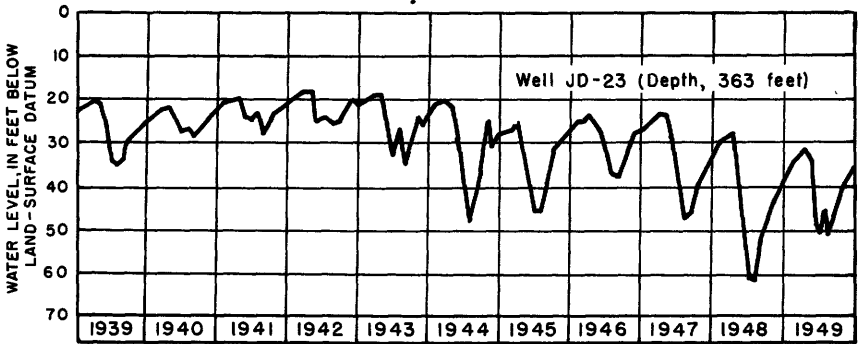


Figure 7.--Graph showing fluctuations of water level in a well in the rice-farming area of southwestern Louisiana, 1939-49.

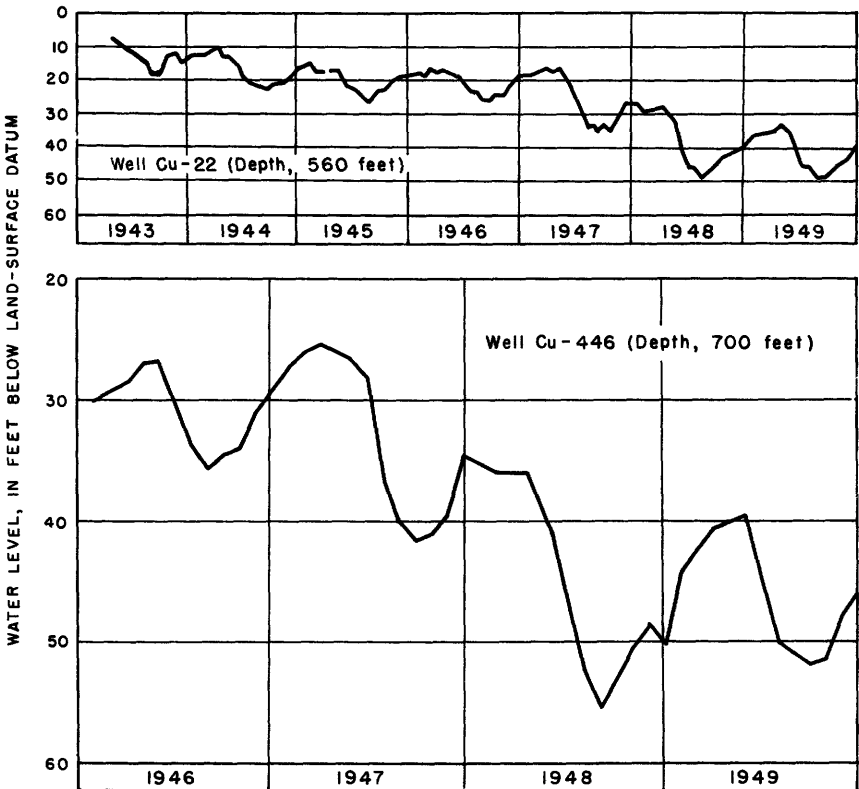


Figure 8.--Graphs showing fluctuations of water levels in two wells in the Lake Charles industrial area, Calcasieu Parish, Louisiana.

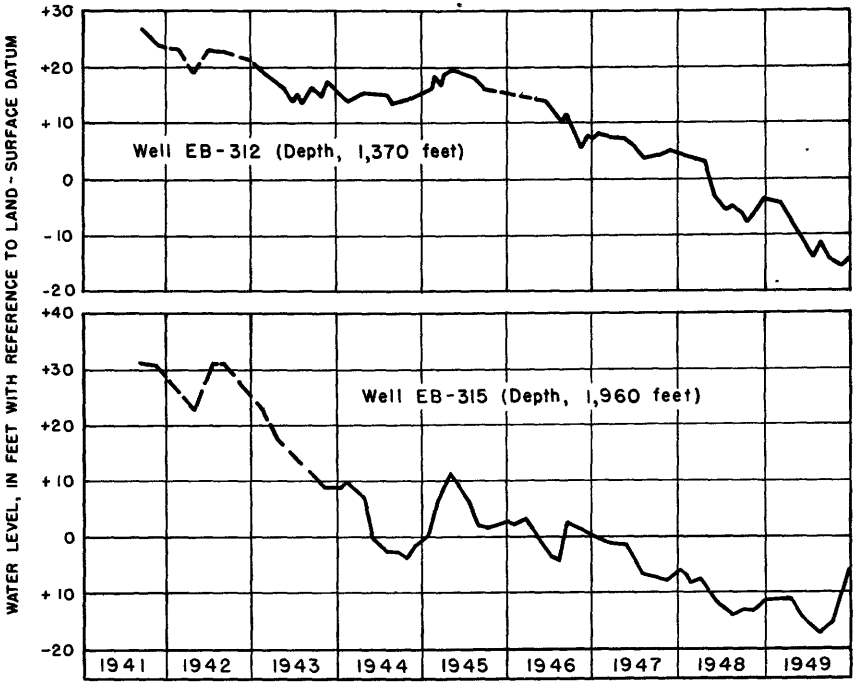


Figure 9.--Graphs showing fluctuations of water levels in two wells that tap the "deep" aquifers at Baton Rouge, Louisiana, 1941-49.

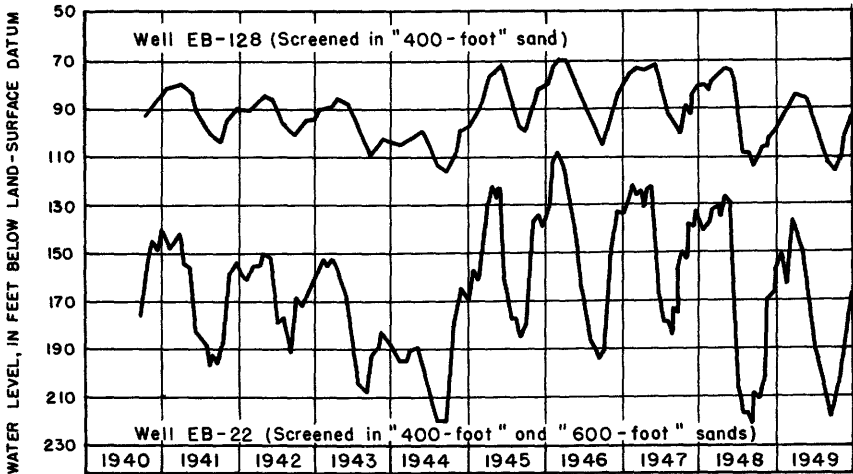


Figure 10.--Graphs showing the influence of pumpage on water levels in wells that tap the "shallow" aquifers at Baton Rouge, Louisiana, 1940-49.



The water level in well Sc-6, at Norco in St. Charles Parish, fell to a record low, about 77 feet below land-surface datum, in 1949. This decline in water level was not at an accelerated rate, but was the result of a gradual decline, as shown in the hydrograph, figure 6.

Artesian pressures in key wells in the flowing-well area of southeastern Louisiana showed little change from previous years. Seasonal decline of a few feet during the irrigating season for strawberries and other truck crops was offset by recovery in the fall.

## WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Acadia Parish

Ac-7. Lozen Leger. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 10 S., R. 2 E. Records available: 1939-49. Mar. 14, 33.63; Sept. 12, 44.75; Dec. 13, 36.06.

Ac-22. Harry Frey. S $\frac{1}{2}$  sec. 19, T. 7 S., R. 1 E. Records available: 1939-49. Mar. 15, 54.64; June 21, 77.79; Sept. 13, 73.14; Dec. 20, 58.05.

Ac-34. F. N. Hayes. SW $\frac{1}{4}$  sec. 10, T. 7 S., R. 2 W. Records available: 1939-48. Measurements discontinued.

Ac-35. Onezime Doucet. NW $\frac{1}{4}$  sec. 22, T. 8 S., R. 2 W. Records available: 1939-49. June 21, 64.80; Dec. 13, 47.00.

Ac-40. Mrs. H. A. Kerr. NE $\frac{1}{4}$  sec. 1, T. 9 S., R. 1 W. Records available: 1939-49.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	....	37.3	....	....	52.3	54.0	49.4	44.9	42.9
2	....	....	....	....	37.3	....	....	53.5	53.9	49.3	44.8	42.9
3	....	41.0	....	....	37.4	....	....	54.6	53.8	49.0	44.8	42.8
4	....	40.9	....	....	37.5	....	....	57.8	53.6	48.5	44.7	42.7
5	....	40.9	....	....	37.5	....	....	56.6	53.5	48.3	44.6	42.6
6	....	40.8	....	....	37.6	....	....	55.9	53.4	48.2	44.5	42.5
7	....	40.8	....	....	37.8	....	....	55.1	53.6	48.0	44.4	42.4
8	....	40.6	....	....	37.9	....	....	54.5	53.5	47.8	44.3	42.4
9	....	40.5	....	....	37.8	....	....	54.7	53.4	47.7	44.2	42.3
10	....	40.6	....	....	38.1	....	....	55.1	53.5	47.5	44.2	42.2
11	....	40.6	....	....	38.4	....	....	57.2	53.7	47.4	44.1	42.2
12	....	40.5	....	....	39.0	....	....	62.3	57.6	53.1	47.1	42.1
13	....	40.5	....	....	40.1	....	....	64.3	57.9	53.0	47.0	42.2
14	....	40.4	....	....	42.2	....	....	61.9	55.1	53.2	46.9	42.0
15	....	40.3	....	....	42.2	....	....	61.0	56.8	53.2	46.8	42.0
16	....	40.2	38.9	....	42.2	....	....	60.0	54.8	53.0	46.7	41.9
17	....	40.2	....	....	43.6	....	....	59.1	55.3	52.9	46.6	41.8
18	....	40.2	....	....	44.7	....	....	58.3	55.6	52.5	46.5	41.6
19	41.8	40.1	....	....	....	....	....	55.7	52.2	46.4	43.5	41.6
20	41.8	40.1	....	....	....	....	....	54.8	52.1	46.2	43.5	41.6
21	41.7	40.1	....	a37.54	....	a57.10	....	54.5	....	46.0	43.4	41.6
22	41.6	40.0	....	37.4	....	....	....	54.1	51.3	46.0	43.4	41.6
23	....	40.0	....	37.4	....	....	....	56.0	51.0	45.9	43.3	41.4
24	....	39.9	....	37.3	....	....	....	56.7	50.7	45.7	43.2	41.4
25	....	39.8	....	37.3	....	....	....	57.3	50.5	45.6	43.1	41.3
26	....	....	....	37.5	....	....	....	57.7	50.2	45.6	43.1	41.3
27	....	....	....	37.4	....	....	....	55.1	50.1	45.5	43.0	41.2

a Tape measurement at odd hour.

## Ac-40--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	....	....	....	37.4	....	....	53.5	54.6	50.0	45.4	42.9	41.1
29	....		....	37.3	....	....	53.2	54.1	49.7	45.2	42.8	41.1
30	....		....	37.3	....	....	52.9	54.0	49.5	45.0	42.9	41.0
31	....		....	....	....	....	52.6	54.0		45.0		41.0

Ac-56. Henry Bieber. NW $\frac{1}{4}$  sec. 36, T. 7 S., R. 1 E. Records available: 1939-49. Sept. 13, 76.87.

Ac-104. Hanle Hartwell. SW $\frac{1}{4}$  sec. 2, T. 9 S., R. 1 E. Records available: 1939, 1944-49. Mar. 16, 42.73; Dec. 20, 45.23.

Ac-115. C. A. Savoy. South corner of irregular sec. 77, T. 8 S., R. 2 E. Records available: 1944-49. Mar. 17, 55.81; June 21, 64.29; Sept. 13, 65.10; Dec. 20, 58.05.

Ac-147. Ed Faulk. SW $\frac{1}{4}$  sec. 34, T. 10 S., R. 1 E. Records available: 1939, 1944-49. Mar. 15, 22.23; Sept. 13, 29.90; Dec. 13, 24.28.

Ac-152. L. W. Hoyt. Sec. 4, T. 11 S., R. 1 W. Records available: 1939, 1944-49. Mar. 14, 21.92; Dec. 13, 73.98.

Ac-175. Leon P. Lapleau. North line sec. 46, T. 10 S., R. 2 W. Records available: 1939-49. Mar. 15, 17.32; Sept. 16, 26.11; Dec. 13, 19.68.

Ac-179. Dr. F. N. Hayes. NW $\frac{1}{4}$  sec. 34, T. 8 S., R. 1 W. Records available: 1939-49. Dec. 13, 46.93.

Ac-188. Jules Baronet. SE $\frac{1}{4}$  sec. 9, T. 10 S., R. 1 E. Records available: 1944-49. Mar. 15, 28.77; Sept. 13, 38.91; Dec. 13, 31.23.

Ac-232. Sun Oil Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 9 S., R. 1 W. Unused drilled oil field supply well, diameter 4 inches, depth 215 feet. Measuring point, top of 4-inch collar, 2.0 feet above land-surface datum. Records available: 1949. Mar. 15, 21.08; June 21, 31.08; Sept. 13, 31.40; Dec. 20, 24.30.

Ac-235. Henry Lejeune. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 8 S., R. 2 W. Used drilled irrigation well, diameter 8 inches, depth 313 feet. Measuring point, bottom edge of inclined discharge pipe, distance from measuring point to land-surface datum along pipe being 4.42 feet. Records available: 1949. Mar. 15, 45.09; Sept. 13, 56.26; Dec. 20, 47.34.

Ac-239. Acadia Parish School Board. NE $\frac{1}{2}$  sec. 12, T. 9 S., R. 2 W. Abandoned drilled school well, diameter 4 inches, depth 280 feet. Measuring point, top inside edge of 4-inch casing, 0.5 foot above land-surface datum. Records available: 1949. Sept. 13, 39.79; Dec. 19, 31.91.

Allen Parish

Al-11. Onezie Vincent. SE $\frac{1}{4}$  sec. 8, T. 5 S., R. 3 W. Records available: 1944-49. Mar. 14, 52.30; June 21, 58.69; Sept. 14, 55.10; Dec. 15, 53.68.

Al-15. Ben Daigle. SW $\frac{1}{4}$  sec. 27, T. 5 S., R. 3 W. Records available: 1944-49. Mar. 14, 56.05; Sept. 14, 57.39; Dec. 15, 57.09.

Al-16. O. Lejeune. SE $\frac{1}{4}$  sec. 22, T. 5 S., R. 4 W. Records available: 1940-49. Mar. 14, 41.01; June 9, 42.01; Sept. 13, 42.28; Dec. 15, 42.12.

Al-18. Kinder Canal Co. NE $\frac{1}{4}$  sec. 6, T. 6 S., R. 4 W. Records available: 1944-49. Mar. 14, 31.74; Sept. 13, 32.68; Dec. 15, 32.68.

Al-20. C. I. Kuntz. SW $\frac{1}{4}$  sec. 14, T. 7 S., R. 5 W. Records available: 1944-49. Mar. 16, 42.22; June 9, 42.43; Sept. 13, 44.01; Dec. 15, 43.18.

Al-21. Frank Odum. NE $\frac{1}{4}$  sec. 28, T. 6 S., R. 4 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 15	41.14	June 25	41.13	Sept. 13	41.58
June 9	43.15	July 5	41.53	Dec. 15	41.72

Al-22. Frank Odum. SW $\frac{1}{4}$  sec. 20, T. 6 S., R. 4 W. Records available: 1944-49. Mar. 15, 35.49; Sept. 13, 36.69; Dec. 15, 36.30.

Al-25. R. R. McClelland. SE $\frac{1}{4}$  sec. 30, T. 6 S., R. 4 W. Records available: 1946-49. Mar. 14, 57.40; Sept. 14, 59.27; Dec. 15, 58.64.

Al-29. Calcasieu Sulphate Paper Co. In Elizabeth, east of paper mill. Records available: 1947-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	43.82	Apr. 19	34.17	July 6	37.91	Oct. 13	33.57
Feb. 15	44.77	May 12	31.24	12	38.71	Dec. 22	37.32
Mar. 9	44.66	June 6	36.45	Aug. 27	37.11		

Al-33. M. Carroll. NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 4 W. Records available: 1947-49.

Jan. 18	41.78	Mar. 14	41.20	Sept. 13	43.74	Nov. 15	42.36
Feb. 14	41.39	Apr. 18	40.94	20	43.26	Dec. 15	42.43
Mar. 10	41.27	May 11	40.80	Oct. 13	42.73	20	42.05

Al-40. Industrial Lumber Co. NE $\frac{1}{4}$  sec. 29, T. 2 S., R. 3 W. Records available: 1945-49.

Jan. 20	7.50	May 11	3.75	Sept. 20	8.62	Nov. 16	7.84
Mar. 9	3.37	July 12	5.07	Oct. 13	7.63	Dec. 22	6.84
Apr. 20	2.91	Aug. 27	7.50				

Al-41. Lucindy Rodriguez. NE $\frac{1}{4}$  sec. 29, T. 2 S., R. 3 W. Records available: 1945-49. Feb. 15, 3.53.

Al-42. Oak Hill Church. NW $\frac{1}{4}$  sec. 20, T. 2 S., R. 3 W. Records available: 1945-49.

Jan. 20	8.22	Apr. 20	6.98	July 12	12.10	Oct. 13	10.62
Feb. 15	6.65	May 11	7.75	Aug. 27	11.26	Nov. 16	11.07
Mar. 9	7.91	July 6	12.47	Sept. 20	12.10	Dec. 22	9.75

Al-43. S. P. McDaniel. NE $\frac{1}{4}$  sec. 32, T. 2 S., R. 4 W. Records available: 1945-49.

Jan. 20	26.10	Apr. 19	25.91	July 12	24.47	Oct. 17	26.21
Feb. 15	25.74	May 12	25.86	Aug. 27	26.32	Dec. 22	25.79
Mar. 9	25.69	July 6	25.16				

Al-54. Kinder Canal Co. SE $\frac{1}{4}$  sec. 19, T. 5 S., R. 4 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 14	27.88	June 20	28.26	Dec. 15	29.06
June 7	27.63	Sept. 13	29.43		

Al-75. Olin McGee. NE $\frac{1}{4}$  sec. 34, T. 6 S., R. 5 W. Records available: 1945-49.

## A1-75--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	34.42	Apr. 18	32.92	July 11	36.57	Oct. 13	34.93
Feb. 14	33.56	May 11	32.57	Aug. 24	34.29	Nov. 15	34.65
Mar. 10	33.65	June 30	35.91	Sept. 20	34.72	Dec. 20	34.34

A1-84. Leon Manuel. SE $\frac{1}{4}$  sec. 19, T. 4 S., R. 2 W. Records available: 1947-49.

Jan. 18	26.95	Apr. 18	27.18	July 14	24.98	Oct. 11	25.41
Feb. 14	27.28	May 11	26.71	Aug. 24	24.93	Nov. 15	25.50
Mar. 10	27.48	July 6	25.15	Sept. 20	25.17	Dec. 22	25.62

A1-86. Olin McGee. NW $\frac{1}{4}$  sec. 34, T. 6 S., R. 5 W. Records available: 1946-48. Measurements discontinued.

A1-87. D. S. Kingrey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 6 S., R. 5 W. Records available: 1946-49.

Jan. 18	15.49	Apr. 18	9.71	Aug. 24	11.99	Nov. 15	8.84
Feb. 14	13.39	May 20	9.64	Sept. 20	11.47	Dec. 20	7.08
Mar. 10	11.03	July 28	8.17	Oct. 13	9.16		

A1-88. Amos Ceaser. SE $\frac{1}{4}$  sec. 29, T. 6 S., R. 5 W. Records available: 1946-49.

Jan. 18	23.84	Apr. 18	22.13	Aug. 24	25.41	Nov. 15	25.56
Feb. 14	22.85	May 11	22.42	Sept. 20	25.98	Dec. 20	23.79
Mar. 10	23.53	July 12	25.41	Oct. 13	24.99		

A1-90. Randolph Hutcheson. NW $\frac{1}{4}$  sec. 25, T. 6 S., R. 6 W. Records available: 1946-48. Measurements discontinued.

A1-91. J. M. Ritchie. NE $\frac{1}{4}$  sec. 26, T. 6 S., R. 6 W. Records available: 1946-49.

Jan. 18	20.06	Apr. 18	3.31	July 11	8.32	Oct. 13	2.07
Feb. 14	3.91	May 11	4.44	Aug. 24	11.00	Nov. 15	5.20
Mar. 10	5.87	June 14	7.17	Sept. 20	12.78	Dec. 20	2.35

A1-92. J. A. Rohner. NW $\frac{1}{4}$  sec. 21, T. 3 S., R. 3 W. Records available: 1946-49.

Jan. 18	19.55	Apr. 18	14.87	July 12	16.49	Oct. 13	17.52
Feb. 14	18.07	May 11	13.69	Aug. 24	16.61	Nov. 15	17.93
Mar. 10	17.08	June 30	15.89	Sept. 20	17.46	Dec. 19	18.10

A1-93. Mrs. J. E. Hollingsworth. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 3 S., R. 3 W. Records available: 1946-49.

Jan. 18	17.83	Apr. 18	13.83	July 12	14.24	Oct. 13	15.82
Feb. 14	17.28	May 11	12.04	Aug. 24	14.91	Nov. 15	16.20
Mar. 10	16.23	June 30	13.87	Sept. 20	15.50	Dec. 19	16.41

A1-94. Clyde Whitley. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 3 S., R. 3 W. Records available: 1946-48. Measurements discontinued.

A1-95. Clyde Whitley. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 4 S., R. 3 W. Records available: 1946-49.

Jan. 18	12.84	Apr. 18	6.95	July 12	11.37	Oct. 13	12.63
Feb. 14	10.85	May 11	7.70	Aug. 24	12.24	Nov. 15	12.63
Mar. 10	8.97	June 30	11.18	Sept. 20	12.79	Dec. 20	13.01

A1-96. Clarise McGee. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 7, T. 4 S., R. 3 W. Records available: 1946-49.

Jan. 18	27.08	Apr. 18	25.37	Aug. 24	25.55	Nov. 15	26.30
Feb. 14	25.89	May 11	24.76	Sept. 20	26.26	Dec. 20	26.18
Mar. 10	25.96	July 28	25.72	Oct. 13	26.94		

Al-97. Horace Reed. NE $\frac{1}{4}$  sec. 13, T. 4 S., R. 4 W. Records available: 1946-48. Measurements discontinued.

Al-98. V. Montou. SE $\frac{1}{4}$  sec. 13, T. 4 S., R. 4 W. Records available: 1946-49. Measurements discontinued, Nov. 15, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	14.09	Apr. 18	14.37	July 28	15.76	Sept. 20	17.62
Feb. 14	14.25	May 11	15.55	Aug. 24	17.07	Oct. 13	13.87
Mar. 10	14.39						

Al-100. A. C. Easterling. NW $\frac{1}{4}$  sec. 26, T. 4 S., R. 4 W. Records available: 1946-49.

Jan. 18	29.81	Apr. 18	31.43	Aug. 24	32.90	Nov. 15	32.88
Feb. 14	31.50	May 11	31.30	Sept. 20	33.29	Dec. 20	31.75
Mar. 10	31.02	July 28	32.55	Oct. 13	31.95		

Al-101. Jerome Sonnier. SW $\frac{1}{4}$  sec. 26, T. 4 S., R. 4 W. Records available: 1946-49. Measurements discontinued, May 11, 1949. Jan. 18, 33.73; Feb. 14, 39.41; Mar. 10, 39.01; Apr. 18, 40.06.

Al-102. L. S. Sonnier. NW $\frac{1}{4}$  sec. 34, T. 4 S., R. 5 W. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 18	23.54	Mar. 10	22.56	May 11	21.29
Feb. 14	23.06	Apr. 18	21.50		

Al-103. Mrs. S. L. Carpenter. SW $\frac{1}{4}$  sec. 5, T. 5 S., R. 4 W. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	24.65	Apr. 18	23.33	Sept. 20	22.87	Nov. 15	23.28
Feb. 14	24.53	May 11	23.07	Oct. 13	23.06	Dec. 20	23.53
Mar. 10	24.18	Aug. 24	22.69				

Al-104. Louis Durio. SE $\frac{1}{4}$  sec. 32, T. 4 S., R. 4 W. Records available: 1946-49.

Jan. 18	15.12	Apr. 18	10.87	July 12	11.43	Oct. 13	12.76
Feb. 14	15.43	May 11	9.02	Aug. 24	10.97	Nov. 15	13.01
Mar. 10	12.90	June 30	10.68	Sept. 20	12.55	Dec. 20	12.26

Al-105. Walter Henry. SW $\frac{1}{4}$  sec. 33, T. 4 S., R. 4 W. Records available: 1946-49. June 15, 22.09; July 12, 22.37.

Al-106. King Corporation. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 7 S., R. 5 W. Records available: 1946-49. Mar. 16, 34.90; June 9, 35.85; Sept. 13, 37.08; Dec. 11, 36.10.

Al-120. City of Oakdale. In northwestern corner of city, at North 6th Street. Records available: 1948-49. Jan. 20, 22.00; Feb. 15, 34.00; Nov. 15, 36.50; Dec. 22, 38.00.

Al-124. Pierre Nevils. Sec. 11, T. 7 S., R. 5 E. Records available: 1947-49.

Jan. 18	25.02	Apr. 18	22.13	July 28	24.97	Nov. 15	26.16
Feb. 14	23.55	May 11	22.47	Aug. 24	26.54	Dec. 20	25.04
Mar. 10	23.82	June 14	21.35	Sept. 20	26.94		

Al-125. M. D. Hargrove. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 3 S., R. 3 W. Records available: 1947-49.

Jan. 18	33.26	Apr. 18	32.04	July 12	33.27	Oct. 12	33.62
Feb. 14	32.67	May 11	31.95	Aug. 24	33.30	Nov. 15	33.72
Mar. 10	32.52	June 15	33.04	Sept. 20	33.67	Dec. 19	33.88

Al-127. State of Louisiana. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 3 S., R. 3 W. Records available: 1947-48. Measurements discontinued.

Al-136. Hanton Keathley. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 6 S., R. 6 W. Records available: 1948-49. Mar. 16, 18.98; Sept. 14, 19.91; Dec. 14, 19.09.

Beauregard Parish

Be-2. Southern Pacific Railroad. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 6 S., R. 8 W. Records available: 1943-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.6	46.5	46.2	45.7	45.4	45.5	47.7	47.0	48.8	48.2	47.4	47.3
2	46.5	46.5	46.2	45.7	45.4	45.5	47.8	47.2	48.8	48.2	47.3	47.4
3	46.4	46.4	46.3	45.8	45.5	45.5	47.9	47.4	48.8	48.2	47.4	47.3
4	46.5	46.3	46.2	45.8	45.5	45.5	48.0	47.6	48.8	47.7	47.4	47.3
5	46.6	46.3	46.1	45.8	45.5	45.6	48.1	47.8	48.8	47.8	47.3	47.3
6	46.7	46.3	46.0	45.8	45.5	45.7	48.0	48.0	48.8	47.9	47.4	47.2
7	46.7	46.3	46.1	45.8	45.2	45.7	48.0	48.0	48.9	47.9	47.3	47.1
8	46.6	46.3	46.0	45.7	45.2	45.8	48.1	48.0	49.0	47.8	47.2	47.2
9	46.6	46.2	45.9	45.7	45.2	46.0	48.2	48.1	49.1	47.8	47.2	47.2
10	46.7	46.4	46.0	45.6	45.2	46.1	48.2	48.2	49.1	47.7	47.2	47.1
11	46.6	46.5	46.0	45.6	45.2	46.1	48.1	48.3	49.0	47.7	47.2	47.1
12	46.6	46.4	46.0	45.6	45.3	46.0	48.1	48.4	48.9	47.7	47.2	47.2
13	46.6	46.3	45.9	45.6	45.3	46.0	48.2	48.4	48.9	47.7	47.2	47.2
14	46.5	46.3	45.9	45.5	45.3	46.0	48.2	48.4	48.9	47.7	47.2	47.2
15	46.5	46.2	46.1	45.6	45.3	46.0	48.0	48.4	48.9	47.7	47.2	47.2
16	46.5	46.3	46.1	....	45.2	46.0	47.9	48.4	48.9	47.6	47.3	47.2
17	46.5	46.4	46.0	....	45.3	46.1	47.8	48.4	48.9	47.7	47.4	47.1
18	46.4	46.3	46.0	....	45.3	46.3	47.7	48.4	48.8	47.7	47.3	47.1
19	46.6	46.2	46.1	....	45.3	46.3	47.7	48.6	48.8	47.6	47.2	47.1
20	46.7	46.3	46.1	....	45.3	46.4	47.6	48.6	....	47.6	47.2	47.1
21	46.5	46.3	45.8	....	45.2	46.4	47.5	48.7	....	47.6	47.3	47.0
22	46.5	46.3	45.8	....	45.3	44.5	47.5	48.8	....	47.6	47.3	47.1
23	46.5	46.3	45.8	45.7	45.4	44.6	47.4	48.9	....	47.6	47.2	47.3
24	46.5	46.2	45.8	45.6	45.5	44.7	47.3	49.0	....	47.5	47.2	47.3
25	46.5	46.2	....	45.6	45.6	44.8	47.3	49.1	....	47.5	47.3	47.1
26	46.5	46.1	45.8	45.6	45.6	45.0	47.2	49.2	....	47.5	47.3	47.1
27	46.4	46.1	45.8	45.6	45.6	45.1	47.1	49.2	....	47.4	47.2	47.1
28	46.4	46.2	45.8	45.5	45.6	45.3	47.1	49.2	....	47.4	47.2	47.1
29	46.6	....	45.8	45.4	45.6	47.5	47.1	49.1	....	47.4	47.2	47.1
30	46.6	....	45.7	45.4	45.6	47.6	47.1	49.0	48.3	47.3	47.3	47.1
31	46.5	....	45.7	....	45.5	....	47.1	48.8	....	47.4	....	47.1

Be-13. W. E. McFatter. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T. 7 S., R. 9 W. Records available: 1948. Measurements discontinued.

Be-29. Travis Hamilton. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 4 S., R. 6 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	42.50	Apr. 19	39.88	July 13	40.89	Oct. 12	41.48
Feb. 15	41.82	May 12	39.38	Aug. 25	41.78	Nov. 16	41.79
Mar. 9	41.13	June 11	38.46	Sept. 21	41.39	Dec. 21	41.52

Be-32. J. A. Harper. S $\frac{1}{2}$ SE $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Records available: 1948-49.

Jan. 19	24.35	Apr. 19	21.34	July 13	23.76	Oct. 12	24.58
Feb. 15	23.01	May 12	21.50	Aug. 25	24.39	Nov. 16	25.39
Mar. 9	22.80	June 16	22.83	Sept. 21	24.75	Dec. 21	24.65

Be-33. C. A. Tramel. Center of sec. 23, T. 4 S., R. 7 W. Records available: 1948-49.

Jan. 19	38.69	Apr. 19	34.80	July 13	38.04	Oct. 12	38.53
Feb. 15	37.18	May 13	34.83	Aug. 24	38.60	Nov. 15	39.15
Mar. 9	37.13	June 16	37.03	Sept. 20	39.01	Dec. 21	38.45

Be-34. Cecil Jones.  $SE\frac{1}{4}SE\frac{1}{4}$  sec. 15, T. 4 S., R. 7 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	26.44	Apr. 19	22.49	Aug. 24	26.87	Nov. 15	27.45
Feb. 15	24.76	May 12	22.72	Sept. 21	27.27	Dec. 21	26.58
Mar. 9	25.13	July 28	26.13	Oct. 12	26.74		

Be-35. Gus Cole.  $N\frac{1}{2}SE\frac{1}{4}$  sec. 16, T. 4 S., R. 7 W. Records available: 1948-49.

Jan. 19	44.06	Apr. 19	43.03	July 13	41.60	Oct. 12	42.28
Feb. 15	44.23	May 12	42.32	Aug. 25	41.86	Nov. 15	42.80
Mar. 9	43.84	June 16	41.70	Sept. 21	42.14	Dec. 21	43.05

Be-36. O. Moses.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Records available: 1948-49.

Jan. 19	35.43	Apr. 19	31.11	July 13	29.44	Oct. 12	31.08
Feb. 15	34.74	May 12	29.02	Aug. 24	30.20	Nov. 16	31.64
Mar. 9	34.01	June 16	28.64	Sept. 21	30.74	Dec. 21	31.82

Be-37. W. B. Welborn.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 36, T. 3 S., R. 8 W. Records available: 1948-49. Automatic water-stage recorder installed Sept. 21, 1949.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	....	....	....	....	....	....	21.6	21.6	22.0
2	....	....	....	....	....	....	....	....	....	21.6	21.6	22.0
3	....	....	....	....	....	....	....	....	....	21.6	21.6	22.0
4	....	....	....	....	....	....	....	....	....	21.6	21.7	22.0
5	....	....	....	....	....	....	....	....	....	21.6	21.7	22.0
6	....	....	....	....	....	....	....	....	....	21.6	21.7	22.0
7	....	....	....	....	....	....	....	....	....	21.6	21.7	22.1
8	....	....	....	....	....	....	....	....	....	21.6	21.7	22.1
9	....	....	....	....	....	....	....	....	....	21.6	21.7	22.1
10	....	....	a21.36	....	....	....	....	....	....	21.6	21.7	22.1
11	....	....	....	....	....	....	....	....	....	21.6	21.7	22.1
12	....	....	....	....	a16.92	....	....	....	....	21.5	21.7	22.1
13	....	....	....	....	....	....	a16.83	....	....	21.5	21.7	22.2
14	....	....	....	....	....	....	....	....	....	21.5	21.8	22.2
15	....	a22.48	....	....	....	....	....	....	....	21.5	21.8	22.2
16	....	....	....	....	....	a15.66	....	....	....	21.5	21.8	22.2
17	....	....	....	....	....	....	....	....	....	21.5	21.8	22.2
18	....	....	....	....	....	....	....	....	....	21.5	21.8	22.2
19	a23.66	....	....	a17.48	....	....	....	....	....	21.5	21.8	22.2
20	....	....	....	....	....	....	....	....	....	21.5	21.8	22.1
21	....	....	....	....	....	....	....	....	21.3	21.5	21.9	22.1
22	....	....	....	....	....	....	....	....	21.3	21.5	21.9	22.1
23	....	....	....	....	....	....	....	....	21.4	21.5	21.9	22.1
24	....	....	....	....	....	....	....	....	21.4	21.5	21.9	22.1
25	....	....	....	....	....	....	....	a20.57	....	21.4	21.5	22.0
26	....	....	....	....	....	....	....	....	21.4	21.5	21.9	22.0
27	....	....	....	....	....	....	....	....	21.5	21.5	21.9	22.0
28	....	....	....	....	....	....	a20.11	....	21.5	21.6	21.9	21.9
29	....	....	....	....	....	....	....	....	21.5	21.6	21.9	21.9
30	....	....	....	....	....	....	....	....	21.5	21.6	22.0	21.9
31	....	....	....	....	....	....	....	....	....	21.6	....	21.9

a Tape measurement.

Be-39. Odie Hester.  $SE\frac{1}{4}SE\frac{1}{4}$  sec. 28, T. 3 S., R. 8 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	7.75	Apr. 19	4.32	July 13	5.50	Oct. 21	6.34
Feb. 15	6.96	May 12	3.73	Aug. 24	6.14	Nov. 15	6.80
Mar. 9	6.78	June 16	4.65	Sept. 21	6.54	Dec. 21	6.03

Be-40. W. H. Downs. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T. 3 S., R. 8 W. Records available: 1948. Measurements discontinued.

Be-41. Burkitt Shirley. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, T. 3 S., R. 9 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	3.62	Apr. 19	2.84	Aug. 25	8.00	Nov. 16	7.10
Feb. 15	2.14	May 12	3.17	Sept. 21	8.42	Dec. 21	3.98
Mar. 9	2.70	July 28	5.97	Oct. 21	7.77		

Be-42. Paul Stille. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 3 S., R. 9 W. Records available: 1948-49.

Jan. 19	7.93	Apr. 19	5.69	July 16	9.32	Oct. 21	10.68
Feb. 15	6.21	May 12	6.19	Aug. 24	10.72	Nov. 16	9.61
Mar. 9	6.81	June 13	7.74	Sept. 21	11.78	Dec. 21	6.23

Be-44. H. B. Thigpen. N $\frac{1}{2}$ SW $\frac{1}{4}$  sec. 10, T. 3 S., R. 9 W. Records available: 1948-49.

Jan. 19	21.74	Apr. 19	14.53	July 13	18.54	Oct. 21	19.78
Feb. 15	20.16	May 12	14.45	Aug. 25	19.14	Nov. 16	20.10
Mar. 9	18.22	June 16	17.30	Sept. 21	19.98	Dec. 21	18.17

Be-46. Edward Unrech. S $\frac{1}{2}$  sec. 22, T. 2 S., R. 9 W. Records available: 1948-49.

Jan. 19	11.74	Apr. 19	17.92	July 13	10.07	Nov. 16	19.22
Feb. 15	15.63	May 12	17.22	Aug. 25	18.85	Dec. 21	10.05
Mar. 9	19.45	June 16	9.69	Sept. 21	19.30		

Be-47. Ohros Cooley. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, T. 3 S., R. 8 W. Records available: 1948-49.

Jan. 19	11.97	Mar. 9	6.60	May 12	8.12	July 13	11.68
Feb. 15	5.96	Apr. 19	6.64	June 16	10.17	Aug. 24	13.54

Be-48. Garnet S. Bailey. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, T. 3 S., R. 8 W. Records available: 1948-49.

Jan. 19	10.37	Mar. 9	5.60	May 12	6.83	July 13	10.31
Feb. 15	5.13	Apr. 19	5.57	June 16	9.30	Aug. 24	13.74

Be-50. Shady Grove Church. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, T. 3 S., R. 8 W. Records available: 1948-49.

Jan. 19	41.97	Apr. 19	39.84	July 13	38.76	Oct. 21	41.14
Feb. 15	41.10	May 12	39.67	Aug. 24	40.96	Nov. 16	41.24
Mar. 9	40.61	June 16	38.63	Sept. 21	41.20	Dec. 21	40.92

Be-51. Allen Wagley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Records available: 1948-49.

Jan. 19	9.31	Apr. 19	6.84	July 13	7.09	Oct. 21	7.27
Feb. 15	8.81	May 12	6.62	Aug. 25	7.53	Nov. 16	7.09
Mar. 9	8.97	June 16	7.52	Sept. 21	7.64	Dec. 21	6.96

Be-53. Luther Ford. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, T. 4 S., R. 7 W. Records available: 1948-49.

Jan. 19	14.33	Apr. 19	9.33	July 13	14.15	Oct. 21	14.69
Feb. 15	11.48	May 12	9.87	Aug. 25	14.66	Nov. 16	15.20
Mar. 9	9.22	June 16	12.94	Sept. 21	15.36	Dec. 21	13.38

Be-54. A. J. Lanman. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T. 3 S., R. 7 W. Records available: 1948-49.

Jan. 19	16.63	Apr. 19	11.34	July 13	12.93	Oct. 21	13.22
Feb. 15	15.34	May 12	11.02	Aug. 25	13.80	Nov. 16	14.19
Mar. 9	14.56	June 16	11.98	Sept. 21	13.80	Dec. 21	13.63



Be-56. Harris Everts. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 2 S., R. 8 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	32.18	Apr. 19	32.87	July 13	33.96	Oct. 21	32.04
Feb. 15	33.58	May 12	31.93	Aug. 25	31.75	Nov. 16	32.15
Mar. 9	32.66	June 16	32.89	Sept. 21	31.73	Dec. 21	29.62

Be-57. W. Wilson. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 2 S., R. 8 W. Records available: 1948-49.

Jan. 19	9.64	Apr. 19	11.35	July 13	12.67	Oct. 21	13.17
Feb. 15	7.95	May 12	11.09	Aug. 25	13.17	Nov. 16	12.72
Mar. 9	11.82	June 16	10.18	Sept. 21	13.57	Dec. 21	5.47

Be-58. J. D. Lambert. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T. 1 S., R. 9 W. Records available: 1948-49.

Jan. 19	18.87	Apr. 19	15.39	Aug. 25	17.88	Nov. 16	19.02
Feb. 15	17.89	May 12	14.40	Sept. 21	18.37	Dec. 21	18.06
Mar. 9	17.00	July 13	16.97	Oct. 21	18.49		

Be-59. A. Robertson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 4 S., R. 7 W. Records available: 1948-49.

Jan. 19	34.79	Apr. 19	30.31	July 13	32.00	Oct. 21	33.39
Feb. 15	33.25	May 12	30.27	Aug. 25	32.63	Nov. 16	33.76
Mar. 9	32.39	June 16	31.33	Sept. 21	33.21	Dec. 21	33.75

Be-60. C. W. James. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 3 S., R. 8 W. Records available: 1948-49.

Jan. 19	38.46	Apr. 19	35.83	Aug. 25	35.80	Nov. 16	35.88
Feb. 15	37.87	May 12	34.50	Sept. 21	35.60	Dec. 21	35.98
Mar. 9	37.21	July 28	35.05	Oct. 21	36.17		

Be-74. Whitney Giraud. NE $\frac{1}{4}$  sec. 12, T. 7 S., R. 9 W. Used drilled irrigation well, diameter 16 inches, depth 363 feet. Measuring point, inside edge of 2-inch hole in pump base, 5.23 feet above land-surface datum. Records available: 1949.

Jan. 6	52.96	Mar. 4	52.12	Apr. 22	51.13	June 8	55.51
14	52.85	11	51.98	29	50.12	July 14	57.13
28	52.61	18	51.92	May 6	51.05	28	55.21
Feb. 4	52.45	25	51.73	20	51.07	Sept. 15	60.85
11	52.45	Apr. 1	51.48	27	53.10	Nov. 2	54.24
18	52.31	8	51.46	June 3	51.57	Dec. 14	53.61

### Bienville Parish

Bi-2. Town of Gibsland. In Gibsland, behind water plant. Records available: 1940-41, 1947-49.

Jan. 27	48.38	May 4	48.64	Sept. 7	53.54	Nov. 2	51.44
Mar. 2	49.32	25	50.52	Oct. 5	50.09	30	49.73
31	45.68	Aug. 3	50.76				

Bi-4. Town of Arcadia. 50 feet south in rear of town water treatment plant. Used drilled public-supply well, diameter 6 inches, depth 585 feet. Measuring point, top of 6-inch casing, 4.30 feet above land-surface datum. Records available: 1949. Nov. 30, 165.18.

Bi-18. Woodward-Walker Lumber Co. At Ada, in SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 18 N., R. 8 W. Records available: 1947-49. Plugged, measurements discontinued, May 25, 1949.

Date	Water level	Date	Water level	Date	Water level
Jan. 27	46.40	Mar. 31	45.04	May 25	46.48
Mar. 2	44.82	May 4	45.44		

Calcasieu Parish

Cu-13. Magnolia Petroleum Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, T. 10 S., R. 9 W.  
Records available: 1943-49. Automatic water-stage recorder removed  
Aug. 22, 1949.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	21.0	19.1	16.6	15.4	15.0	15.5	17.8	21.3
2	21.0	19.1	16.6	15.4	15.0	15.5	17.9	21.4
3	21.0	19.1	16.6	15.5	15.2	15.5	18.0	21.5
4	20.9	18.9	16.5	15.4	15.2	15.6	18.1	21.7
5	20.9	18.7	....	15.3	15.1	15.7	18.2	21.8
6	20.8	18.5	....	15.3	15.1	15.8	18.3	22.0
7	20.8	18.3	....	15.7	15.0	15.8	18.4	22.1
8	20.8	18.2	....	15.7	15.0	15.9	18.5	22.3
9	20.7	18.0	....	15.6	14.9	16.0	18.6	22.4
10	20.7	17.9	....	15.5	14.9	16.1	18.7	22.6
11	20.6	18.0	16.6	15.4	14.9	16.2	18.8	22.8
12	20.6	17.9	15.9	15.3	14.9	16.3	18.9	23.0
13	20.5	17.8	15.7	15.3	14.9	16.4	19.0	23.2
14	....	17.7	15.7	15.2	14.9	16.5	19.1	23.3
15	20.4	17.6	15.9	15.1	14.9	16.6	19.2	23.4
16	20.3	17.6	16.0	....	14.9	16.7	19.3	23.4
17	20.3	17.6	15.8	....	14.9	16.8	19.4	23.6
18	20.3	17.6	15.7	....	14.9	16.9	19.6	23.7
19	20.3	17.6	15.9	....	14.9	17.0	19.7	23.9
20	20.2	17.5	15.9	....	15.0	17.1	19.8	24.0
21	20.2	17.5	15.6	....	15.0	17.2	19.9	24.2
22	20.1	17.4	15.5	15.1	15.0	17.2	20.0	....
23	20.1	17.3	15.4	15.3	15.0	17.3	20.1	....
24	20.0	17.1	15.4	15.2	15.1	17.3	20.3	....
25	19.9	16.9	15.4	15.2	15.1	17.4	20.4	....
26	19.7	16.7	15.3	15.2	15.2	17.5	20.5	....
27	19.6	16.6	15.3	15.2	15.2	17.5	20.6	....
28	19.5	16.6	15.4	15.2	15.3	17.6	20.8	....
29	19.3	....	15.4	15.1	15.3	17.6	20.9	....
30	19.3	....	15.3	15.1	15.4	17.7	21.0	....
31	19.2	....	15.5	....	15.4	....	21.2	....

Cu-19. Bell Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 10, T. 10 S., R. 10 W. Records  
available: 1943-49.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.3	31.7	30.6	29.6	29.0	29.6	....	35.8	37.8	39.0	37.3	37.1
2	33.3	31.7	30.5	29.6	29.0	29.7	....	36.0	37.8	39.1	37.3	37.0
3	33.3	31.7	30.5	29.5	29.0	29.8	....	36.2	37.8	39.1	37.4	36.9
4	33.2	....	30.4	29.5	29.0	29.8	....	36.3	37.8	38.7	37.4	36.9
5	33.2	31.6	30.4	29.5	28.9	29.9	....	36.5	37.9	37.3	37.4	36.9
6	33.2	31.6	30.4	29.5	28.9	30.0	....	36.6	37.9	37.8	37.4	36.8
7	33.2	31.6	30.3	29.5	....	30.1	31.7	36.7	37.9	37.9	37.4	36.8
8	33.2	31.5	30.3	....	....	30.2	29.0	36.7	38.0	38.0	37.4	36.8
9	33.2	31.5	30.2	....	....	30.3	28.1	36.6	38.0	38.0	37.4	....
10	33.2	31.4	30.2	....	....	30.5	27.9	35.9	38.1	38.1	37.4	36.7
11	33.2	31.4	30.1	....	....	30.6	....	34.9	38.1	38.2	37.4	36.7
12	33.1	31.4	30.0	....	....	30.7	....	35.1	38.1	38.2	37.4	36.7
13	33.1	31.3	29.9	....	29.0	30.8	....	35.5	38.1	38.2	37.4	36.6
14	....	31.3	29.8	....	29.0	30.9	24.7	35.9	38.2	38.3	37.4	36.6
15	33.0	31.2	29.8	....	29.1	31.0	19.8	36.2	38.2	38.3	37.4	36.5
16	33.0	31.2	29.8	....	29.1	31.1	19.9	36.5	38.3	38.4	37.3	36.5
17	32.9	31.1	29.8	....	29.1	31.2	25.0	36.6	38.3	38.4	37.3	....
18	32.8	31.1	29.8	....	29.2	31.3	31.1	....	38.4	38.4	37.3	....
19	32.8	31.0	29.8	....	29.2	31.4	33.6	....	38.5	38.4	37.3	36.3
20	32.6	30.9	29.8	....	29.3	31.5	35.2	....	38.5	38.0	37.3	36.2
21	32.6	30.9	29.8	....	29.3	31.6	....	....	38.6	35.6	37.3	36.1
22	32.6	30.9	29.8	....	29.3	31.6	36.2	....	38.6	35.8	37.3	36.1
23	32.5	30.8	29.8	....	29.3	31.7	35.3	....	38.7	36.2	37.3	36.0
24	32.4	30.8	29.8	....	29.3	31.8	36.4	....	38.7	36.5	37.3	35.8

Cu-19--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	32.3	30.8	29.7	....	29.3	32.0	36.5	37.2	38.8	36.2	37.2	35.8
26	32.2	30.7	29.7	....	29.3	32.1	36.5	37.3	38.8	36.7	37.2	35.7
27	32.1	30.7	29.7	....	29.4	32.2	36.4	37.4	38.9	37.0	37.2	35.6
28	32.0	30.6	29.7	....	29.4	32.4	36.5	37.5	38.9	37.2	37.1	35.6
29	31.9		29.7	....	29.4	32.6	35.9	37.6	38.9	37.2	37.1	35.6
30	31.8		29.6	29.1	29.5	....	35.2	37.6	39.0	37.3	37.1	35.5
31	31.7		29.6		29.6		35.5	37.7		37.3		35.4

Cu-20. Magnolia Petroleum Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, T. 10 S. R. 9 W.  
Records available: 1948. Measurements discontinued.

Cu-21. Continental Oil Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, T. 10 S., R. 9 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	40.52	Apr. 1	37.16	July 21	39.71	Oct. 14	38.73
14	40.10	8	37.78	28	39.67	21	37.96
20	39.78	May 6	37.58	Aug. 4	39.74	Nov. 4	39.30
28	39.63	13	37.59	11	39.86	11	38.98
Feb. 4	39.53	20	37.45	18	40.03	18	39.25
11	39.34	27	37.07	25	40.57	25	39.08
18	39.12	June 3	37.10	Sept. 1	39.94	Dec. 2	39.14
25	38.94	15	37.75	8	39.81	8	35.40
Mar. 4	38.94	21	38.02	15	40.07	19	38.67
11	38.90	29	38.50	22	40.21	23	38.79
18	38.76	July 2	39.16	29	40.34	30	38.82
25	38.40	14	39.64				

Cu-22. Magnolia Petroleum Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, T. 10 S., R. 9 W.  
Records available: 1943-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.3	37.2	36.0	35.7	33.2	36.3	43.1	45.8	49.0	....	45.8	44.3
2	40.0	37.1	35.9	35.6	33.2	36.5	43.3	45.8	49.0	....	45.6	44.3
3	39.9	37.0	35.9	35.6	33.1	36.8	43.5	45.8	48.8	....	45.6	44.3
4	40.0	37.1	35.8	35.7	33.4	37.0	43.7	46.0	48.5	....	45.5	44.2
5	40.3	37.1	35.8	35.7	33.5	37.2	43.8	46.1	48.5	....	45.4	44.2
6	40.4	36.9	35.6	35.8	33.2	37.3	44.0	46.3	48.4	....	45.6	43.9
7	40.3	36.9	35.6	35.7	33.5	37.3	44.2	46.5	48.6	47.7	45.5	43.8
8	40.2	36.8	35.4	35.6	33.7	37.6	44.4	46.5	49.6	47.6	45.4	43.9
9	40.0	36.7	35.1	35.7	33.8	37.9	44.7	46.4	49.7	47.5	45.4	44.0
10	39.9	36.8	35.0	35.7	34.0	38.2	45.3	46.5	49.6	47.4	45.3	44.0
11	39.7	36.7	35.1	35.7	34.2	38.3	45.8	46.7	49.5	47.4	45.3	44.0
12	39.7	36.3	35.0	35.6	34.1	38.4	46.0	46.9	49.4	47.5	45.2	44.0
13	39.6	36.2	35.3	35.5	34.4	38.6	46.1	47.2	49.5	47.5	45.4	43.8
14	39.5	36.1	35.3	35.3	34.4	38.7	46.2	47.4	49.5	47.4	45.3	....
15	39.3	36.1	35.7	35.5	34.3	38.9	46.0	47.6	49.5	47.4	45.3	....
16	38.8	36.3	35.8	....	34.2	39.0	45.9	47.7	49.6	47.3	45.2	....
17	38.7	36.3	35.7	....	34.3	39.2	45.9	47.7	49.5	47.3	45.3	....
18	38.1	36.1	35.8	....	34.4	39.4	45.7	47.8	49.6	47.3	45.0	....
19	38.2	36.1	35.7	....	34.5	39.5	45.7	47.9	49.6	47.2	44.8	....
20	37.9	36.2	35.5	....	34.6	39.6	45.5	48.1	49.6	46.6	44.7	....
21	37.6	36.2	35.4	....	34.6	39.7	45.3	48.1	49.6	46.5	44.8	....
22	37.3	36.3	35.5	34.7	34.6	39.9	45.4	48.2	49.6	46.6	44.6	....
23	37.0	36.3	35.7	34.3	34.7	40.1	45.4	48.4	49.6	46.5	44.4	....
24	36.8	36.2	35.7	34.0	35.1	40.4	45.4	48.5	49.6	46.5	44.2	....
25	36.7	36.2	35.8	33.7	35.3	40.7	45.3	48.8	49.4	46.5	44.2	....
26	36.5	36.1	35.8	33.4	35.2	41.2	45.2	48.9	49.2	46.9	44.3	....
27	36.1	36.0	35.9	33.2	35.7	41.6	45.2	49.0	49.1	....	44.3	....
28	36.4	36.2	35.8	33.2	36.0	42.0	45.3	49.0	49.1	45.8	44.3	40.2
29	36.8		35.7	33.5	36.1	42.4	45.4	48.9	49.2	45.9	44.3	40.0
30	36.9		35.5	33.4	36.1	42.8	45.6	49.0	....	45.9	44.4	40.1
31	37.0		35.7		36.2		45.7	49.0		45.9		40.2

Cu-34. Gulf States Utilities. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 9 S., R. 9 W.  
Records available: 1945-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.7	30.9	28.6	25.8	25.5	26.3	32.5	37.3	40.6	36.5	....	....
2	30.3	30.5	29.1	25.1	26.2	27.3	32.8	37.8	40.6	36.5	....	34.1
3	31.0	28.0	29.2	24.9	26.4	27.3	33.0	37.0	41.5	36.5	....	34.1
4	31.2	27.8	29.1	25.0	26.2	27.0	32.8	37.8	39.6	36.5	36.6	33.9
5	30.6	27.6	29.2	24.4	24.9	26.5	34.0	36.8	40.6	36.5	35.8	33.6
6	30.6	27.5	27.3	....	24.1	27.6	34.2	36.7	39.6	36.5	35.7	33.5
7	30.5	28.8	29.4	....	23.9	27.9	....	36.7	41.6	37.7	35.6	33.5
8	30.4	29.5	29.2	27.4	23.3	27.9	34.1	38.0	40.9	37.6	34.5	33.8
9	30.4	27.2	28.8	27.5	23.6	28.3	34.8	37.0	39.9	37.3	34.4	34.0
10	30.7	29.0	29.1	26.5	24.8	27.5	34.8	37.0	40.7	37.2	34.5	33.9
11	31.7	29.5	29.2	27.0	24.3	27.3	34.0	37.1	39.6	37.2	34.5	32.4
12	30.6	27.3	29.0	27.1	26.2	27.9	36.8	37.3	40.0	37.8	34.4	33.3
13	30.4	27.2	27.0	....	25.7	28.1	37.1	37.6	40.6	37.2	34.3	33.7
14	30.2	26.9	28.2	....	26.5	28.6	34.0	37.9	39.3	37.5	33.8	33.7
15	30.0	29.4	28.7	....	24.2	28.8	37.3	39.4	40.4	37.4	34.1	....
16	29.7	28.9	28.8	....	25.8	28.6	37.3	38.8	39.4	37.0	34.1	....
17	29.6	27.7	28.7	....	26.3	29.1	36.0	38.0	40.9	37.0	34.0	32.7
18	29.9	27.3	28.8	....	26.3	29.3	36.5	39.1	39.2	37.1	34.4	33.3
19	31.2	....	....	....	26.0	27.8	38.2	39.1	39.1	37.0	34.1	32.2
20	30.8	....	....	....	26.4	29.1	32.8	39.2	39.4	36.5	34.0	32.2
21	28.9	....	....	....	26.4	29.5	36.7	40.1	39.8	37.0	34.0	32.2
22	28.2	....	....	27.2	24.2	29.8	38.4	39.9	38.6	36.6	34.1	....
23	28.0	29.2	....	27.0	26.1	30.1	38.0	39.9	40.6	36.2	34.1	....
24	27.9	26.2	....	25.5	26.2	30.8	36.0	39.0	39.4	36.7	33.5	32.2
25	29.0	27.5	28.2	26.5	26.5	30.5	38.0	39.5	38.9	....	34.0	32.1
26	29.2	27.7	27.9	26.8	26.9	31.0	37.8	39.8	39.8	....	34.0	31.7
27	27.6	26.6	26.3	25.4	25.8	30.4	....	39.2	38.8	....	33.7	32.3
28	27.8	29.0	27.9	26.9	26.9	31.2	38.0	39.2	40.0	36.2	33.8	32.6
29	28.1	....	27.7	26.1	24.6	31.5	37.1	40.3	39.2	36.1	34.0	32.4
30	30.7	....	26.4	25.3	24.9	32.6	38.0	39.9	37.0	35.4	33.8	31.6
31	30.9	....	26.4	....	26.5	....	36.8	39.9	....	35.5	....	31.6

Cu-48. LaGrange School. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, T. 10 S., R. 8 W. Records available: 1948-49. Measurements discontinued, Aug. 25, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	37.54	Mar. 4	36.69	May 13	36.16	July 14	36.30
14	37.50	11	37.02	20	36.12	21	36.27
20	37.31	18	36.90	27	37.08	28	36.46
28	37.24	25	36.78	June 3	35.98	Aug. 4	36.71
Feb. 4	37.10	Apr. 1	36.62	8	35.85	11	36.91
11	37.01	8	36.51	15	35.72	18	37.08
18	36.88	29	36.21	21	35.80	25	37.32
25	36.74	May 6	36.13	July 2	36.02		

Cu-50. John McNeese Junior College. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 10 S., R. 8 W. Records available: 1948. Measurements discontinued.

Cu-84. Port of Lake Charles. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 2, T. 10 S., R. 9 W. Abandoned drilled industrial well, diameter 6 inches, depth about 700 feet. Measuring point, top edge of 3/4-inch hole, 4.3 feet above land-surface datum. Records available: 1949.

Oct. 21	52.26	Nov. 11	50.29	Dec. 2	49.97	Dec. 23	47.53
28	51.68	18	50.60	8	49.05	30	46.10
Nov. 4	51.14						

Cu-115. Krause & Managan. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T. 9 S., R. 10 W. Records available: 1944-49. Mar. 17, 9.76; June 21, 9.65; Sept. 15, 11.70; Dec. 14, 11.81.

Cu-120. Mathieson Alkali Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 11 S., R. 10 W. Records available: 1943-49. Mar. 18, 18.55; June 20, 19.44; Sept. 14, 24.39; Dec. 12, 22.03.

Cu-125. Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 10 S., R. 10 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	32.92	Apr. 8	30.28	July 21	36.99	Oct. 21	38.57
20	32.54	22	30.11	28	36.16	28	38.18
28	32.02	29	29.82	Aug. 4	36.87	Nov. 4	37.50
Feb. 4	31.75	May 6	29.62	11	37.43	11	37.12
11	31.66	13	29.91	18	38.63	18	37.02
18	31.25	20	30.06	Sept. 1	39.04	25	36.52
25	30.88	27	30.35	8	39.10	Dec. 2	36.35
Mar. 4	31.36	June 3	31.09	15	38.79	8	35.32
11	30.85	15	32.29	22	39.16	19	35.54
18	30.56	20	32.80	29	40.80	23	35.43
25	30.45	July 7	36.21	Oct. 7	39.25	30	35.09
Apr. 1	30.29	14	36.93	14	38.84		

Cu-161. Calcasieu-Marine National Bank. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, T. 11 S., R. 7 W. Measuring point is 4.3 feet above land-surface datum. Records available: 1944-49. Mar. 15, 20.07; June 20, 26.48; Sept. 14, 34.67; Dec. 12, 23.00.

Cu-173. Charles Linkswiler. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 10 S., R. 8 W. Records available: 1946-47, 1949.

Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1948	36.81	Sept. 7, 1948	55.85	Mar. 16, 1949	30.38
Apr. 6	34.58	Dec. 7	45.25	Dec. 12	44.87

Cu-205. Paul Bellon. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T. 8 S., R. 8 W. Records available: 1943-49. Automatic water-stage recorder removed Dec. 31, 1948.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	29.06	Mar. 25	26.18	June 3	25.30	Aug. 4	32.30
14	28.81	Apr. 1	25.75	8	27.88	11	33.14
28	28.08	8	25.75	15	31.02	18	37.25
Feb. 4	27.75	22	25.41	21	32.20	25	38.76
14	27.50	29	26.45	29	34.94	Sept. 1	39.16
18	27.24	May 6	25.05	July 7	33.18	15	36.02
Mar. 4	27.73	13	25.09	14	33.41	Nov. 2	31.87
11	26.72	20	24.90	21	32.28	Dec. 14	29.83
17	26.55	27	25.15	28	31.60		

Cu-208. W. L. Caldwell. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 8 S., R. 8 W. Records available: 1946-49. Mar. 17, 28.82; Sept. 15, 39.49; Dec. 14, 31.51.

Cu-209. J. P. Tucker. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 14, T. 9 S., R. 9 W. Records available: 1946-49. June 21, 46.08.

Cu-219. Humble Oil Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 7 S., R. 10 W. Records available: 1946-49. Mar. 17, 35.28; June 21, 37.38.

Cu-222. Hardy Johnson. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, T. 9 S., R. 13 W. Records available: 1943-49.

Jan. 28	10.00	May 28	8.89	Aug. 31	11.72	Sept. 29	12.71
Feb. 25	10.04	June 20	10.62	Sept. 15	11.94	Dec. 14	10.83
Apr. 4	8.32	30	7.72				

Cu-228. R. Boyer. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, T. 9 S., R. 12 W. Records available: 1944-49. Mar. 17, 20.13; June 20, 24.26; Sept. 15, 24.36; Dec. 14, 22.01.

Cu-240. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 9 S., R. 11 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 14	22.37	June 20	19.56	Dec. 14	23.23
Mar. 17	20.68	Sept. 15	24.56		

Cu-245. W. R. Keever. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 8 S., R. 10 W. Records available: 1945-47, 1949. Mar. 17, 10.58; June 21, 10.30; Sept. 15, 11.63; Dec. 14, 11.38.

Cu-262. Calcasieu Parish School Board. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 11 S., R. 10 W. Records available: 1944-49. Mar. 17, 18.63; June 20, 19.10.

Cu-267. Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 11 S., R. 8 W. Records available: 1944-49. Mar. 16, 23.43; June 20, 23.96; Sept. 14, 26.74; Dec. 12, 25.54.

Cu-347. Amy Wait Estate. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 9 S., R. 7 W. Records available: 1946-49. Mar. 16, 30.45; Dec. 19, 35.02.

Cu-440. Calcasieu Parish Police Jury. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 10 S., R. 8 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	34.06	Apr. 1	29.87	July 7	38.23	Oct. 14	40.03
14	33.72	8	29.76	14	39.35	21	39.50
20	33.14	22	31.33	21	39.22	28	38.94
28	32.45	29	28.84	Aug. 4	40.16	Nov. 4	39.53
Feb. 4	32.31	May 6	19.70	11	40.61	11	37.67
11	31.76	13	28.59	18	41.71	18	37.34
18	31.34	20	28.42	25	43.18	25	36.81
25	30.80	27	29.59	Sept. 8	43.64	Dec. 2	36.62
Mar. 4	31.00	June 3	30.39	14	43.47	8	36.05
11	31.91	8	29.36	22	42.54	19	35.11
18	31.74	20	33.67	29	42.01	23	35.01
25	30.52	29	34.59	Oct. 7	40.62	30	34.46

Cu-445. Cities Service Refining Corporation. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 10 S., R. 9 W. Records available: 1945-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55.4	53.3	50.6	50.6	48.4	54.3	60.3	62.0	65.6	64.6	62.3	60.0
2	54.9	52.6	50.3	50.4	47.0	55.0	60.4	61.5	...	64.3	62.1	60.0
3	55.0	52.4	50.4	50.4	48.1	55.5	60.7	62.0	...	64.0	62.0	60.1
4	55.0	52.9	50.3	50.2	49.1	55.3	60.9	62.5	...	64.0	61.9	60.1
5	55.9	52.7	49.9	50.1	49.1	55.3	60.9	62.6	...	64.5	61.8	60.0
6	55.7	52.3	49.4	50.2	48.4	54.5	61.9	63.7	...	64.8	62.8	60.0
7	55.6	52.5	50.0	50.0	50.1	54.5	61.8	63.9	...	64.9	62.8	59.7
8	54.9	52.6	49.2	49.9	50.5	55.2	62.0	63.6	65.2	64.5	67.9	59.7
9	54.4	52.3	49.1	51.2	50.6	56.5	62.1	63.3	65.0	64.2	63.1	60.0
10	54.0	52.3	49.4	51.1	51.3	56.9	63.6	63.6	65.0	64.2	63.2	61.1
11	53.8	51.5	48.1	51.1	52.0	56.5	63.9	64.0	64.9	64.1	63.1	61.2
12	53.9	51.2	48.8	51.4	51.5	56.8	64.3	64.3	64.7	64.3	63.1	61.2
13	53.9	51.1	49.9	51.4	52.3	57.0	64.5	64.3	65.1	64.5	63.0	60.3
14	...	51.1	50.4	51.5	51.9	57.4	65.2	64.6	65.0	64.2	63.1	59.2
15	54.1	51.3	51.1	51.3	51.8	57.3	64.2	64.6	66.0	64.0	62.8	58.3
16	53.8	51.4	51.0	...	51.5	57.5	62.1	64.8	65.6	64.0	62.9	58.6
17	53.5	51.1	50.4	...	52.1	57.8	64.5	64.2	66.0	63.8	62.5	58.6
18	53.2	50.0	49.5	...	52.3	57.7	64.3	64.6	65.8	63.9	62.6	59.3
19	53.5	51.5	49.8	...	52.8	57.6	63.4	...	66.0	63.9	60.9	59.0
20	53.5	52.0	50.2	...	53.1	57.8	62.4	...	65.6	62.7	60.9	59.1
21	53.2	51.9	50.7	...	52.1	58.0	62.3	...	66.1	62.3	61.1	58.9
22	52.6	52.0	50.9	50.2	51.8	58.3	62.1	...	66.0	62.9	60.2	58.9
23	52.2	51.8	51.0	48.5	51.9	58.6	62.2	...	66.2	62.9	60.0	58.5

## Cu-445--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	52.2	51.7	51.3	47.3	53.5	58.6	61.8	....	64.9	62.8	60.0	58.3
25	50.8	51.6	51.6	47.5	51.8	59.1	61.6	65.5	65.8	62.7	60.1	58.2
26	51.1	51.3	51.3	46.7	52.8	59.2	61.4	65.6	65.5	62.4	60.3	57.7
27	51.2	51.3	51.4	46.4	54.2	59.8	61.3	65.0	65.1	60.9	60.7	57.8
28	51.3	51.3	51.3	48.3	53.9	59.9	61.3	64.8	65.6	62.0	60.8	58.0
29	51.4	50.8	48.4	53.8	59.9	61.5	65.5	65.4	62.5	60.1	57.7	
30	53.1	50.8	48.8	53.8	59.7	61.8	65.5	64.8	62.7	60.2	57.9	
31	53.3	50.9	53.9	53.9		61.7	65.0		62.3		58.2	

Cu-446. Cities Service Refining Corporation. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18,  
T. 10 S., R. 9 W. Records available: 1945-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.0	43.9	40.9	41.3	36.7	41.5	49.3	50.0	51.5	52.7	48.6	47.3
2	45.6	43.9	40.8	41.5	37.5	41.7	49.7	50.1	52.3	52.5	48.5	47.3
3	45.6	44.0	40.7	41.5	36.7	41.8	49.9	50.1	52.0	52.1	48.5	47.2
4	45.7	43.7	40.6	42.6	36.7	41.3	50.1	50.2	51.0	51.6	48.4	47.1
5	45.8	43.7	40.6	41.9	36.8	41.5	50.2	50.2	51.4	51.8	48.2	47.1
6	46.0	43.6	40.5	41.1	36.9	41.7	49.7	50.3	51.2	52.0	48.2	46.9
7	45.9	43.6	39.4	40.8	39.7	41.9	50.0	50.4	51.0	52.1	48.2	46.8
8	45.8	43.5	38.6	40.8	39.1	42.1	50.2	49.6	51.6	52.1	48.1	46.8
9	45.6	43.1	38.2	40.6	39.5	42.8	50.3	49.2	52.1	52.0	48.0	46.8
10	45.6	43.2	38.2	40.3	39.5	41.3	50.7	49.2	52.2	51.9	48.0	46.8
11	45.8	43.1	40.1	40.3	39.3	43.0	50.2	49.2	52.2	52.0	48.4	46.8
12	45.5	42.8	40.7	40.2	39.4	43.4	51.1	49.4	52.1	51.9	48.0	45.7
13	45.3	42.7	40.6	40.0	39.4	43.4	51.0	50.5	52.2	51.9	48.0	46.3
14	....	42.6	40.6	39.8	39.4	43.2	51.0	50.6	53.4	51.8	48.0	46.6
15	45.2	42.5	40.9	39.8	39.4	43.2	50.8	50.4	52.7	51.7	48.7	45.8
16	45.1	42.7	41.0	....	39.3	44.3	50.5	50.4	53.4	51.8	48.2	45.3
17	44.9	42.7	41.0	....	39.3	44.9	50.4	50.2	52.9	50.7	48.2	45.9
18	44.7	43.0	41.1	....	39.3	45.2	50.3	50.2	52.8	50.7	48.1	45.9
19	44.7	42.4	41.2	....	39.1	45.5	50.2	50.3	52.8	50.3	47.9	45.7
20	44.6	42.2	41.0	....	39.3	45.3	50.1	50.6	53.4	49.9	47.8	45.8
21	44.3	41.8	39.2	....	39.3	44.9	....	51.2	52.7	49.8	47.8	45.6
22	44.1	41.5	39.5	41.0	39.3	44.8	50.0	51.0	52.8	51.2	....	45.7
23	43.9	41.4	39.7	42.1	39.4	45.8	50.0	51.1	52.7	51.4	....	....
24	43.7	41.2	39.4	42.2	39.8	46.2	50.0	52.0	52.8	50.7	....	46.1
25	43.8	41.1	40.2	42.1	40.1	46.6	49.9	52.5	52.7	50.1	47.3	45.8
26	44.0	41.0	40.2	40.5	40.2	47.0	49.8	51.8	54.1	49.7	47.3	45.3
27	43.5	40.9	40.5	38.1	41.5	47.4	49.8	51.7	54.2	49.5	47.3	45.0
28	43.5	41.1	....	38.9	41.5	47.5	49.8	51.6	52.7	49.3	47.3	44.9
29	43.5	....	....	37.0	41.4	47.8	50.1	51.5	52.7	48.9	47.3	44.8
30	43.6	....	....	36.8	41.4	49.1	50.0	51.4	52.8	48.6	47.4	44.2
31	43.7	....	....	....	41.4		50.0	51.4		48.8		44.6

Cu-451. Stanolind Oil & Gas Co. SW $\frac{1}{4}$  sec. 3, T. 11 S., R. 7 W. Records available: 1946-49. Mar. 15, 34.92; Sept. 14, 54.05; Dec. 12, 38.36.

Cu-453. Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 10 S., R. 10 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	33.58	Apr. 1	32.09	July 28	37.00	Oct. 28	35.00
20	33.34	8	32.02	Aug. 11	37.73	Nov. 4	34.86
28	33.20	22	31.81	25	45.83	11	34.70
Feb. 4	33.08	29	31.78	Sept. 1	48.99	18	34.62
11	32.60	May 6	31.75	8	39.19	25	34.47
18	33.43	13	31.78	15	41.76	Dec. 2	34.46
25	32.56	20	31.75	22	37.56	8	34.20
Mar. 4	32.56	June 3	41.04	29	36.59	19	34.43
11	32.48	15	39.55	Oct. 7	35.76	23	34.09
18	32.01	July 14	45.74	14	35.47	30	34.07
25	32.20	21	38.77	21	34.98		

Cu-468. J. R. Stevens. Sec. 3, T. 10 S., R. 8 W. Records available: 1948. Measurements discontinued.

Cu-484. Vinton Petroleum Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, T. 10 S., R. 12 W. Abandoned drilled oil-field supply well, diameter 6 inches, depth about 600 feet. Measuring point, west edge of 4 $\frac{1}{2}$ -inch tee, 4.08 feet above land-surface datum. Records available: 1949. Mar. 17, 4.54; June 20, 4.46; Sept. 15, 9.32; Dec. 14, 8.29.

#### Cameron Parish

Cn-4. Union Sulphur Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 36, T. 12 S., R. 10 W. Records available: 1945-49. Mar. 18, 6.68; June 20, 6.89; Sept. 14, 7.47; Dec. 12, 7.03.

Cn-8. Broussard Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 12 S., R. 9 W. Records available: 1945-49. Mar. 16, 13.06; June 20, 15.00; Sept. 14, 19.67; Dec. 12, 15.89.

Cn-10. Hebert, Helms & Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 12 S., R. 7 W. Records available: 1945-49. Mar. 16, 16.76; June 20, 18.15; Sept. 14, 27.36; Dec. 12, 18.99.

Cn-16. Maple Hughes. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 12 S., R. 4 W. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 15	12.50	June 23	13.03	Dec. 12	13.98
June 8	12.07	Sept. 14	16.93		

Cn-17. John Predia. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, T. 15 S., R. 8 W. Records available: 1946-49. Mar. 16, 6.88; June 20, 6.30; Sept. 14, 7.14; Dec. 12, 7.44.

Cn-19. Warren Miller. NW $\frac{1}{4}$  sec. 32, T. 14 S., R. 7 W. Records available: 1946-49. Mar. 16, 6.93; June 20, 6.16; Sept. 14, 7.51; Dec. 12, 7.59.

Cn-20. Julian East. SE $\frac{1}{4}$ SE $\frac{1}{4}$  irregular sec. 40, T. 14 S., R. 6 W. Measuring point since Mar. 16, 1949, top of 2-inch coupling, 1.40 feet above land-surface datum. Records available: 1949. Mar. 16, 8.82; June 20, 8.02; Sept. 14, 8.56; Dec. 12, 8.77.

Cn-24. Peter Constance. At Holly Beach, in T. 15 S., R. 11 W. Used drilled domestic well, diameter 2 inches, depth 560 feet. Measuring point, top of 2-inch casing, 0.02 foot above land-surface datum. Records available: 1949. Mar. 18, 0.21; June 20, 0.42; Sept. 14, 0.80.

Cn-27. Sweetlake Land & Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T. 12 S., R. 7 W. Used drilled irrigation well, diameter 10 inches, depth 490 feet. Measuring point, top edge of discharge pipe, 4.60 feet above land-surface datum. Records available: 1949. Mar. 16, 23.90; June 20, 29.38; Sept. 14, 39.18; Dec. 12, 26.78.

Cn-28. A. M. Barb. S $\frac{1}{2}$  irregular sec. 31, T. 15 S., R. 10 W. Abandoned drilled stock well, diameter 4 inches, depth 282 feet. Measuring point, floor of recorder house, 2.50 feet above land-surface datum. Automatic water-stage recorder installed Apr. 28, 1949. Records available: 1949.

#### Daily noon water level, from recorder charts

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	10.1	10.6	10.8	10.7	10.9	10.5	....	11.1
2	....	10.2	10.6	10.6	10.6	10.7	10.0	....	11.1
3	....	10.2	10.3	10.5	10.6	10.6	9.5	....	11.1
4	....	10.3	....	10.4	10.5	10.3	8.8	....	11.0
5	....	10.3	....	10.5	10.5	10.4	9.7	....	11.0
6	....	10.4	....	10.5	10.4	10.4	10.0	....	10.8



Cn-28--Continued.

Daily noon water level, from recorder charts

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
7	....	10.5	....	10.7	10.4	10.6	10.1	....	10.9
8	....	10.6	....	10.5	10.4	10.6	10.2	....	11.0
9	....	10.7	....	10.6	10.4	10.6	10.4	....	10.8
10	....	10.9	....	10.7	10.5	10.6	10.3	....	10.6
11	....	10.8	....	10.7	10.6	10.6	10.3	....	10.4
12	....	10.7	....	10.6	10.7	10.6	10.5	....	10.4
13	....	10.6	....	10.6	10.9	10.6	10.5	....	10.5
14	....	10.6	....	10.6	10.9	10.6	10.4	....	10.5
15	....	10.4	....	10.7	10.9	10.7	10.4	....	10.5
16	....	10.2	....	10.7	10.9	10.7	10.4	....	10.5
17	....	10.1	....	10.8	10.9	10.5	10.4	11.1	10.4
18	....	10.0	....	10.5	10.9	10.5	10.4	11.2	10.4
19	....	10.1	....	10.6	10.8	10.5	10.4	11.3	10.4
20	....	10.3	a10.5	10.6	10.9	10.5	10.2	11.4	10.4
21	....	10.3	10.4	10.6	10.9	10.4	10.3	11.7	10.4
22	....	10.3	10.5	10.5	10.8	....	....	11.5	10.4
23	....	10.4	10.5	10.4	10.7	....	10.3	11.4	10.4
24	....	10.4	10.4	10.3	10.7	....	10.7	11.3	10.4
25	....	10.5	10.4	10.2	10.8	....	10.9	11.4	10.4
26	....	10.5	10.2	10.2	10.8	....	10.9	11.2	10.4
27	....	10.5	10.2	10.2	10.9	....	10.8	11.1	10.4
28	10.3	10.5	10.4	10.4	11.0	10.6	10.8	11.1	10.4
29	10.3	10.4	10.5	10.5	11.1	10.7	10.7	11.2	10.4
30	10.3	10.4	10.7	10.7	11.0	10.6	10.7	11.4	10.5
31	....	10.5	....	10.7	10.9	....	....	....	10.4

a Tape measurement at odd hour.

East Baton Rouge ParishEB-4. Esso Standard Oil Co., Louisiana Division. N $\frac{1}{2}$  irregular sec. 44, T. 7 S., R. 1 W. Records available: 1944-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	175.0	155.7	.....	.....	155.0	.....
2	174.3	153.8	.....	.....	154.6	174.0
3	174.8	154.8	a149.75	.....	157.0	173.0
4	175.5	154.8	.....	.....	157.6	.....
5	175.7	153.3	.....	.....	156.3	.....
6	175.8	153.5	.....	.....	155.6	177.0
7	175.7	154.8	.....	145.9	151.3	180.0
8	174.4	154.8	.....	146.3	151.9	180.0
9	172.3	.....	.....	148.1	153.4	182.7
10	171.3	.....	a145.81	150.2	152.4	180.5
11	170.7	156.5	.....	151.6	151.9	184.7
12	168.1	157.3	.....	151.4	152.4	182.3
13	166.9	154.9	.....	151.0	150.3	181.4
14	....	154.0	.....	151.8	150.8	184.2
15	162.5	155.3	.....	151.0	149.1	185.9
16	162.7	.....	.....	152.1	147.8	187.2
17	159.8	a158.94	a145.15	150.0	147.4	186.5
18	158.5	159.7	.....	154.5	151.2	179.6
19	156.6	159.6	.....	151.7	153.0	179.9
20	156.6	157.6	.....	149.4	.....	179.4
21	155.7	158.0	.....	151.7	.....	186.3
22	153.6	155.9	.....	152.2	.....	187.8
23	152.5	153.7	.....	151.7	.....	189.9
24	152.5	a155.06	a146.29	148.4	.....	190.6
25	151.4	.....	.....	152.1	.....	188.9
26	152.8	.....	.....	152.7	155.2	188.6
27	150.6	.....	.....	152.9	159.4	187.0
28	149.3	.....	.....	152.5	161.2	189.7
29	148.3	.....	.....	154.7	166.4	192.2
30	151.1	.....	.....	155.4	.....	190.8
31	154.1	.....	a149.67	.....	.....	.....

a Tape measurement at odd hour.

EB-4--Continued.

Daily noon water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	192.3	216.5	222.6	220.4	198.3	168.1
2	190.1	217.8	223.8	.....	196.9	165.4
3	189.3	218.5	220.9	.....	196.3	165.6
4	188.5	220.1	219.3	.....	195.1	164.3
5	190.6	221.1	221.5	.....	190.7	164.1
6	193.2	221.6	220.2	212.8	187.9	167.3
7	195.1	222.8	222.6	210.1	189.8	167.3
8	195.5	222.7	222.4	205.6	187.6	167.5
9	195.5	222.8	221.7	.....	186.6	166.9
10	196.1	220.4	223.9	208.2	186.1	161.8
11	196.9	220.7	224.5	206.8	184.6	160.1
12	199.0	218.8	224.6	208.0	.....	162.0
13	200.5	218.3	223.9	206.2	181.0	163.9
14	200.9	218.2	222.6	204.7	180.4	163.7
15	203.5	220.9	222.3	204.2	179.2	164.5
16	204.5	221.8	223.7	204.1	180.6	166.0
17	205.6	221.9	223.6	203.4	178.2	163.9
18	205.1	222.2	223.1	204.3	.....	164.2
19	204.9	223.2	224.4	204.5	.....	165.2
20	206.6	222.0	225.8	204.0	.....	164.9
21	211.4	218.4	226.2	203.8	.....	166.6
22	211.7	220.9	223.0	203.9	.....	164.2
23	210.8	223.3	223.9	203.3	176.8	163.2
24	207.2	222.1	225.5	203.8	175.6	160.5
25	207.4	220.7	220.7	202.8	175.0	161.2
26	208.1	221.1	220.5	201.7	174.2	158.2
27	207.8	220.5	220.6	200.9	174.9	156.6
28	209.3	220.1	220.6	200.4	174.0	158.0
29	209.5	220.6	224.0	199.7	170.0	157.3
30	212.0	222.0	221.6	199.6	171.5	158.0
31	213.1	221.0	.....	199.0	.....	155.4

a Tape measurement at odd hour.

EB-15. Esso Standard Oil Co., Louisiana Division. No irregular sec. 44, T. 7 S., R. 1 W. Records available: 1940-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	162.2	149.2	145.7	140.9	146.0	162.7
2	161.5	150.1	146.2	139.0	146.2	164.7
3	161.4	150.5	145.1	139.0	146.9	166.3
4	161.9	149.0	144.0	139.7	146.8	167.9
5	162.0	148.7	143.3	140.5	148.0	168.6
6	162.2	148.7	142.5	142.1	147.2	169.6
7	162.6	149.2	141.9	140.7	145.9	171.8
8	162.1	149.6	142.7	140.3	146.0	172.4
9	161.8	150.1	141.9	141.7	145.7	174.4
10	160.6	150.3	141.1	142.3	144.6	174.2
11	158.9	.....	139.9	142.0	144.4	177.3
12	157.8	.....	139.3	142.6	144.8	175.2
13	156.5	.....	138.5	142.5	145.3	175.1
14	155.1	.....	137.5	142.6	149.6	176.9
15	.....	.....	138.1	.....	148.4	176.5
16	.....	.....	136.6	.....	147.7	177.4
17	.....	152.23	137.6	.....	147.4	177.0
18	.....	152.9	136.8	.....	148.3	175.4
19	.....	152.4	136.5	.....	149.7	175.2
20	.....	151.4	137.2	.....	149.6	174.8
21	149.5	152.5	137.3	.....	149.5	177.8
22	149.5	150.2	138.8	.....	150.6	179.9
23	147.4	150.4	137.0	.....	151.3	181.0
24	146.4	149.4	137.4	.....	151.6	181.9
25	147.8	149.2	138.4	.....	151.5	181.7

a Tape measurement at odd hour.

EB-15--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
26	149.3	149.6	139.0	.....	151.9	181.9
27	148.6	147.6	138.3	.....	152.7	180.3
28	146.6	146.2	.....	144.2	155.3	182.2
29	145.1	.....	.....	144.2	159.3	182.9
30	146.2	.....	.....	145.3	161.6	183.2
31	147.9	.....	a141.48	.....	161.9	.....

a Tape measurement at odd hour.

Daily noon water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	183.4	.....	208.4	206.1	187.7	177.3
2	182.7	.....	209.3	202.2	187.0	164.9
3	182.4	.....	208.2	200.6	186.1	164.2
4	181.7	a203.42	206.6	.....	185.8	163.5
5	181.0	203.9	206.4	.....	183.2	163.5
6	183.9	204.2	208.3	200.2	181.5	164.7
7	183.0	205.2	208.3	199.1	182.8	164.9
8	184.6	205.5	207.7	196.5	180.1	a182.80
9	184.6	204.9	207.7	195.3	179.5	162.8
10	185.2	204.8	209.3	195.5	178.8	160.3
11	185.5	205.1	.....	195.5	176.3	158.7
12	185.9	204.1	.....	196.2	175.1	159.7
13	187.7	202.7	.....	196.1	173.9	160.6
14	188.6	201.2	.....	193.7	172.8	159.4
15	189.3	204.4	a208.66	193.6	171.8	159.9
16	190.4	204.8	208.8	193.3	173.9	160.4
17	191.0	204.9	208.0	193.3	171.1	159.0
18	190.8	206.2	207.5	192.9	169.5	159.1
19	192.8	207.0	208.3	193.0	170.3	159.0
20	192.1	205.9	209.8	192.7	169.6	158.9
21	195.8	204.9	208.3	192.6	171.2	160.0
22	195.8	206.0	207.6	192.7	172.2	158.3
23	196.2	207.3	208.2	192.3	173.6	157.6
24	193.8	208.0	210.1	192.3	172.8	156.3
25	193.0	207.0	206.6	191.7	172.6	155.9
26	193.4	206.8	206.5	190.7	172.0	154.6
27	193.8	206.2	206.2	190.0	172.1	154.7
28	193.8	205.8	206.3	189.3	171.6	154.7
29	.....	205.5	208.4	188.9	169.1	154.9
30	.....	206.4	207.0	188.2	169.2	153.8
31	.....	207.2	.....	188.1	.....	153.6

a Tape measurement at odd hour.

EB-20. Esso Standard Oil Co., Louisiana Division. Irregular sec. 43, T. 7 S., R. 1 W. Records available: 1944-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	172.3	154.7	155.4	150.5	154.7	175.5
2	171.6	155.7	155.2	148.2	158.1	179.5
3	172.3	153.6	154.0	149.0	159.9	180.4
4	172.4	153.8	152.2	150.9	156.2	182.0
5	172.5	154.4	151.1	150.3	155.1	182.5
6	172.0	154.9	150.4	150.5	158.7	183.2
7	171.8	155.3	146.6	149.2	151.8	186.3
8	170.9	156.0	151.5	150.1	151.5	186.3
9	169.3	156.6	148.9	149.3	152.2	187.8
10	169.0	157.2	145.5	150.4	154.3	186.9
11	168.0	158.9	144.5	151.0	155.5	189.8
12	165.1	158.3	143.5	149.9	156.4	188.2
13	163.0	156.2	142.2	149.5	153.8	188.0
14	166.8	155.4	141.1	151.7	150.5	190.3
15	165.8	155.6	140.2	150.8	149.2	192.2
16	165.3	156.1	140.6	152.1	151.0	193.1

EB-20--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
17	158.0	158.7	142.5	150.9	152.2	190.5
18	162.6	159.8	142.2	153.5	155.8	184.0
19	161.8	163.0	141.8	161.5	156.3	183.7
20	161.4	162.0	142.7	149.3	156.2	183.3
21	158.7	162.0	144.0	152.1	157.1	193.0
22	157.8	160.2	147.2	151.2	156.2	194.5
23	156.4	157.7	142.7	154.9	158.5	196.4
24	155.5	159.5	145.1	152.8	158.2	196.3
25	151.8	159.5	145.5	155.1	159.0	195.7
26	152.3	158.7	148.6	156.2	160.5	195.2
27	150.0	152.9	144.9	156.2	166.5	195.3
28	149.1	155.6	143.7	152.4	166.3	196.9
29	148.3		148.8	157.7	170.0	199.1
30	150.0		148.6	154.8	177.0	195.1
31	153.0		151.0		177.9	

Daily noon water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	195.7	221.8	229.0	223.6	202.1	171.3
2	193.4	222.7	229.6	218.4	200.3	169.8
3	191.6	223.4	227.4	216.3	199.7	166.2
4	190.9	224.8	225.9	215.3	196.9	164.5
5	192.1	225.0	227.5	215.5	194.9	.....
6	196.0	226.2	227.1	215.9	192.3	.....
7	197.3	227.0	229.8	213.4	192.1	169.9
8	199.7	227.2	228.4	211.2	190.9	170.85
9	200.1	227.4	228.7	208.5	189.2	169.1
10	200.8	224.1	228.6	210.7	188.6	165.4
11	201.7	223.1	227.4	208.8	186.7	163.7
12	203.8	223.5	227.5	210.4	180.9	164.2
13	204.4	224.1	226.0	208.8	183.5	165.8
14	204.5	224.4	224.7	207.0	183.0	166.5
15	209.4	226.0	225.0	207.3	179.5	167.1
16	208.2	226.7	226.6	207.2	184.0	167.5
17	209.7	226.3	227.0	206.9	180.6	166.6
18	210.0	227.5	226.6	207.7	178.8	166.8
19	210.3	228.2	227.9	207.5	180.4	166.3
20	211.9	225.3	228.1	207.1	177.0	166.2
21	.....	224.6	228.4	206.8	178.1	168.0
22	217.3	226.3	226.7	207.0	177.2	167.2
23	216.0	228.3	227.7	206.3	179.1	165.6
24	.....	227.8	230.6	207.1	177.9	163.5
25	.....	226.8	227.3	205.7	177.7	162.5
26	.....	227.6	227.1	205.2	177.9	161.6
27	.....	226.9	227.5	204.1	177.7	160.1
28	a215.5	226.3	227.4	203.8	177.3	160.9
29	215.6	226.0	229.5	203.9	173.9	160.5
30	217.5	227.2	228.2	202.9	174.2	161.6
31	218.4	226.4		202.8		159.2

a Tape measurement at odd hour.

EB-22. Esso Standard Oil Co., Louisiana Division. At Baton Rouge refinery, southwest of tank 784. Records available: 1940-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	167.6	155.5	148.8	144.0	.....	168.1
2	167.3	158.3	148.8	144.7	.....	169.9
3	167.9	157.3	148.9	143.8	.....	170.6
4	170.1	157.3	147.2	144.6	.....	171.7
5	170.4	159.9	144.6	144.4	.....	172.2
6	170.4	161.0	145.2	144.5	.....	172.9
7	170.0	161.9	145.1	144.4	.....	176.6
8	166.9	162.8	146.8	147.3	.....	179.5

EB-22--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
9	165.0	163.4	142.2	146.9	.....	180.0
10	167.5	164.2	141.7	147.1	.....	179.8
11	166.4	160.0	140.8	147.2	.....	179.7
12	163.8	159.1	140.4	148.9	a154.00	178.7
13	162.4	158.0	139.4	148.5	.....	178.4
14	161.6	157.8	138.0	147.8	a154.14	178.5
15	159.6	157.9	136.5	146.9	153.4	181.7
16	156.8	157.8	136.4	147.4	154.4	184.3
17	158.4	159.4	138.3	146.4	154.5	185.1
18	158.5	159.6	138.9	147.4	154.3	180.6
19	156.8	157.9	139.4	146.8	154.7	180.0
20	156.3	159.2	141.5	147.4	156.1	180.0
21	154.6	157.7	142.3	148.1	156.7	184.8
22	151.0	157.9	139.3	147.7	.....	186.6
23	151.6	156.2	140.2	149.9	156.0	187.8
24	151.7	157.1	140.3	149.4	155.1	188.1
25	153.2	153.5	142.2	148.9	154.7	187.1
26	152.3	153.3	144.1	150.1	156.8	187.1
27	151.5	150.4	140.4	149.7	157.6	187.6
28	150.7	149.7	140.5	a151.24	160.5	190.7
29	149.9		142.7	.....	162.2	192.0
30	150.1		143.2	.....	164.5	190.0
31	153.0		144.6		169.5	

a Tape measurement at odd hour.

Daily noon water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	189.7	208.3	216.9	213.9	200.0	172.1
2	188.1	208.7	217.8	209.4	198.6	170.1
3	187.0	209.3	216.9	207.5	198.1	171.4
4	186.3	210.4	215.3	206.1	194.9	168.0
5	186.5	210.7	216.6	205.6	192.9	167.1
6	.....	211.4	216.6	205.9	187.9	168.9
7	.....	212.3	218.0	203.6	188.6	169.5
8	189.4	212.6	a217.64	203.9	187.6	169.6
9	190.9	213.2	218.2	202.3	186.1	170.5
10	191.6	212.8	219.0	202.7	185.6	168.6
11	191.7	212.3	218.4	202.6	185.6	168.5
12	192.9	211.8	218.7	203.2	184.2	167.7
13	194.9	211.7	217.9	201.4	181.8	167.0
14	196.5	210.9	216.9	200.2	181.9	168.0
15	198.1	211.6	216.9	201.9	180.2	166.2
16	198.7	211.8	217.2	201.8	180.0	165.7
17	199.3	211.8	217.4	200.7	178.4	167.0
18	198.7	212.5	216.9	201.3	178.1	164.8
19	199.4	.....	217.8	201.5	182.1	166.3
20	200.4	.....	218.4	201.4	177.4	166.7
21	202.4	.....	217.5	201.4	180.6	166.6
22	202.7	.....	216.9	201.8	179.3	165.6
23	200.2	.....	217.0	201.1	181.3	166.9
24	199.6	.....	216.7	201.6	181.0	164.8
25	201.1	a215.99	214.8	202.1	179.5	165.5
26	202.2	217.6	214.4	202.5	178.8	163.6
27	203.8	217.5	214.7	201.6	178.1	164.1
28	203.6	216.7	214.9	200.9	179.5	164.2
29	204.9	216.3	214.7	200.8	.....	164.2
30	205.8	216.9	215.2	200.5	.....	165.1
31	206.5	216.6		200.8		165.0

a Tape measurement at odd hour.

EB-28. Esso Standard Oil Co., Louisiana Division. At Baton Rouge refinery, southwest of tank 177. Records available: 1944-49.

## EB-28--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	23.7	21.5	22.7	23.3	26.9	29.0	31.2	30.3	31.0	30.6	31.6
2	....	24.1	21.4	22.7	23.1	26.6	29.0	30.9	30.4	31.1	30.6	31.6
3	....	23.6	21.4	22.7	23.3	26.7	29.0	30.7	30.2	31.0	30.9	31.7
4	....	22.8	21.5	22.5	23.6	26.9	29.0	30.5	30.2	31.0	31.0	31.6
5	....	22.4	21.8	22.4	23.8	27.0	29.2	....	30.2	30.8	31.0	31.6
6	....	22.1	22.0	22.5	24.0	27.0	29.4	....	30.2	31.0	31.1	31.5
7	....	21.9	21.8	22.6	24.2	27.1	29.6	....	30.2	31.4	31.1	31.5
8	....	21.8	21.8	22.6	24.2	27.3	29.8	....	30.2	31.6	31.1	31.4
9	....	21.7	22.8	22.6	23.9	27.5	30.0	....	30.3	31.5	31.1	31.3
10	....	21.7	22.3	22.6	24.1	27.6	30.2	....	30.3	31.3	31.2	31.3
11	....	21.7	22.7	22.3	24.5	27.6	30.4	29.76	30.3	31.2	31.2	31.3
12	....	21.6	22.9	22.4	24.6	27.7	30.3	29.5	30.3	31.2	31.2	31.2
13	....	21.6	23.0	22.4	24.9	27.7	30.6	29.6	30.3	31.2	31.2	31.3
14	....	21.6	22.8	22.5	25.3	27.9	30.9	29.6	30.4	31.2	31.1	31.4
15	....	21.6	22.5	22.6	25.6	28.0	31.1	29.6	30.4	31.1	31.1	31.2
16	....	21.6	21.9	22.6	25.8	28.0	31.3	29.6	30.5	31.0	31.2	31.3
17	....	21.8	22.8	22.4	26.1	28.2	31.4	29.8	30.6	31.0	31.3	31.2
18	....	21.9	22.8	22.2	26.4	28.4	31.5	29.9	30.5	31.2	31.4	31.2
19	....	21.7	22.9	22.5	26.6	28.5	31.7	30.0	30.5	31.3	31.4	31.0
20	....	21.6	22.8	22.7	26.8	28.5	31.7	30.1	30.6	31.3	31.4	30.9
21	....	21.5	22.5	22.6	27.0	28.6	31.3	29.7	30.6	31.2	31.4	30.6
22	....	21.5	22.5	22.6	27.1	28.7	31.3	29.7	30.6	31.2	31.5	30.7
23	....	21.5	22.8	22.3	27.2	28.8	31.6	29.4	30.5	31.2	31.4	30.7
24	....	21.4	22.9	22.3	27.4	28.8	31.8	29.2	30.6	31.1	31.3	30.8
25	....	21.4	22.9	22.3	27.2	28.7	31.8	29.6	30.9	31.3	31.3	30.5
26	....	21.3	22.9	22.7	27.0	....	31.9	29.8	....	31.3	31.4	30.4
27	....	21.5	22.9	23.0	26.9	....	31.9	29.9	....	31.3	31.4	30.4
28	21.9	21.5	22.6	23.0	26.8	....	31.9	29.9	....	31.3	31.3	30.5
29	21.7	....	22.6	23.2	26.8	....	31.8	30.0	30.93	31.3	31.4	30.6
30	21.8	....	22.5	23.2	26.7	28.9	31.5	30.1	31.0	30.9	31.5	30.6
31	22.8	....	22.6	....	26.8	....	31.6	30.2	....	30.7	....	30.6

a Tape measurement at odd hour.

EB-29. Esso Standard Oil Co., Louisiana Division. At Baton Rouge refinery, southwest of tank 754. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	23.83	Mar. 31	22.94	July 14	26.20	Oct. 6	27.54
14	23.87	Apr. 7	17.85	21	26.45	13	27.23
21	23.25	14	17.68	28	27.94	20	27.23
28	22.75	21	22.87	Aug. 4	26.16	27	27.02
Feb. 4	22.74	28	23.30	11	27.59	Nov. 3	27.42
10	22.30	May 5	23.07	18	28.62	10	26.87
17	23.27	12	24.07	25	28.16	23	26.96
24	22.39	19	24.33	Sept. 1	28.98	30	26.89
Mar. 3	22.54	26	24.39	8	27.50	Dec. 7	30.53
11	21.57	June 2	24.11	15	27.05	14	26.37
17	21.42	9	24.46	22	26.77	21	25.49
24	22.83	July 8	24.98	29	27.43	28	25.10

EB-32. Esso Standard Oil Co., Louisiana Division. At Baton Rouge refinery, southwest of tank 715. Abandoned drilled industrial well, diameter 8 inches, depth 460 feet. Measuring point, top of flange on 12-inch casing, 3.00 feet above land-surface datum. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 8	218.24	Sept. 15	243.65	Oct. 20	234.19	Nov. 30	211.14
14	224.16	22	245.21	27	231.60	Dec. 7	199.99
21	229.30	29	246.34	Nov. 3	229.73	14	194.33
Aug. 18	237.87	Oct. 6	236.02	10	217.28	18	193.49
Sept. 1	249.77	13	234.87	23	215.11	21	192.02

EB-83. Gulf States Utilities. In Baton Rouge, at power house on Government Street, about 20 feet west of west building and 50 feet from street curb. Records available: 1943-48. Measurements discontinued.

EB-89. Baton Rouge Water Works Co. well 3. At Lula Avenue pump station. Records available: 1947-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.3	27.0	13.9	....	....	28.4	30.7	32.2	31.2	34.5	34.8	35.7
2	14.1	27.4	13.4	....	....	....	30.6	32.1	31.7	34.5	34.8	35.6
3	14.0	18.1	13.9	....	....	....	31.2	31.9	29.3	34.4	34.9	35.8
4	14.2	17.3	21.5	....	....	....	31.3	26.3	31.9	34.4	35.0	35.7
5	14.3	16.8	22.8	....	al6.82	....	31.7	20.4	32.3	34.4	35.0	35.8
6	14.4	16.5	16.2	....	....	....	32.0	25.6	32.7	34.6	35.0	35.8
7	12.4	16.3	21.6	al8.93	....	....	32.5	29.9	32.8	34.7	35.0	35.6
8	14.5	16.2	24.3	....	....	....	32.8	30.5	32.5	34.8	35.0	35.6
9	14.5	16.1	23.2	....	....	....	33.1	30.8	32.8	34.8	35.1	35.4
10	14.5	14.8	21.9	....	....	29.5	33.3	31.0	32.9	34.8	35.1	35.4
11	14.5	14.8	....	....	....	29.6	33.5	30.3	33.1	34.8	35.2	35.5
12	14.5	14.7	....	....	al8.12	29.4	33.5	30.3	32.5	34.8	35.1	35.5
13	14.5	14.6	....	....	....	29.2	33.6	29.1	33.2	34.9	35.1	35.5
14	14.3	14.5	....	al8.72	....	29.6	33.7	30.4	33.4	35.0	35.0	30.7
15	14.2	14.5	....	....	....	29.3	33.7	29.8	33.5	35.0	35.1	36.6
16	14.2	14.4	....	....	....	29.7	33.8	29.9	33.6	34.9	35.2	36.9
17	14.1	14.5	....	....	....	29.5	33.8	30.1	33.7	35.0	35.3	36.9
18	14.2	14.3	....	....	....	29.8	33.9	30.0	33.6	35.2	35.3	37.0
19	14.5	14.6	....	....	al27.03	29.8	34.1	30.3	33.6	35.3	35.2	36.9
20	14.7	14.2	....	....	28.1	29.9	34.2	30.3	33.7	35.2	35.2	32.7
21	14.6	14.1	....	al9.76	28.3	30.2	34.4	27.3	33.7	35.2	35.3	35.8
22	14.5	14.1	....	....	28.3	31.3	34.6	29.4	33.8	35.2	35.4	35.1
23	14.3	14.0	....	....	28.0	30.7	34.8	29.7	33.8	35.2	35.3	35.2
24	14.3	14.0	al9.66	....	28.3	30.5	34.9	29.8	34.0	35.2	35.2	35.3
25	14.3	14.0	....	....	28.2	30.5	33.9	30.0	34.0	35.2	35.2	34.9
26	14.4	13.9	....	....	28.3	30.4	33.4	30.2	34.0	35.3	35.3	34.7
27	14.5	13.9	....	....	28.3	30.3	33.2	30.0	34.0	35.3	35.2	34.8
28	14.5	13.9	....	al5.62	28.1	30.3	32.9	30.0	34.1	35.4	35.3	34.0
29	14.2	....	....	....	28.2	30.6	32.7	30.1	34.3	35.3	35.0	35.1
30	14.4	....	....	....	28.5	30.7	32.5	30.2	34.5	34.9	35.6	35.0
31	25.7	....	....	....	28.4	....	32.4	30.3	....	34.9	....	35.0

a Tape measurement at odd hour.

EB-90. Baton Rouge Water Works Co. well 8. At Lula Avenue pump station. Records available: 1947-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.3	31.7	26.8	26.9	28.3	29.8	33.2	32.5	33.8	30.6	32.0	23.3
2	26.7	30.6	26.7	26.9	28.4	29.8	36.0	32.3	34.6	28.6	32.0	22.9
3	26.5	29.3	27.2	26.7	28.7	30.3	32.9	32.7	36.9	29.9	32.0	22.6
4	26.8	29.2	27.4	26.7	28.9	30.3	32.2	35.5	32.3	30.0	32.3	21.7
5	27.1	28.9	27.5	27.0	29.1	30.5	32.0	37.5	32.5	29.9	32.1	21.8
6	27.4	28.5	27.1	27.1	29.2	30.2	32.6	38.4	32.4	30.2	31.9	21.5
7	....	28.2	27.1	27.0	29.2	30.5	....	34.7	35.3	30.5	31.8	21.4
8	27.7	28.3	27.3	27.2	29.1	31.1	....	33.7	34.3	30.9	32.0	21.3
9	27.8	28.3	25.8	27.2	29.1	31.4	36.0	35.1	32.4	30.8	32.0	20.1
10	27.7	28.4	25.7	27.0	29.3	31.2	33.5	35.1	35.5	30.5	32.0	20.1
11	27.8	28.5	25.5	26.9	29.3	31.0	33.3	34.2	32.4	30.9	31.9	20.0
12	27.9	28.5	25.3	27.0	29.4	29.4	33.4	36.8	34.7	31.0	31.7	19.8
13	27.9	28.4	24.9	27.2	29.6	28.8	33.6	35.8	35.3	31.4	30.3	20.0
14	27.9	28.0	24.5	27.3	29.8	29.2	33.8	34.2	35.7	31.4	30.6	18.3
15	27.9	28.1	25.8	27.5	29.7	29.4	33.5	35.4	35.2	31.4	30.6	19.6
16	27.9	28.1	25.8	27.3	29.7	30.5	33.3	33.6	33.6	29.5	30.5	19.7
17	27.5	28.0	26.0	27.1	29.7	30.7	33.1	33.7	33.9	30.6	30.3	19.2
18	27.4	27.8	26.2	25.8	29.8	32.0	32.8	36.3	31.7	31.2	30.3	19.1
19	27.7	27.6	26.3	27.3	30.3	30.9	33.1	35.3	33.2	31.4	29.4	19.3
20	27.8	27.4	25.9	25.6	30.5	30.1	36.7	37.0	31.6	31.7	27.8	18.1
21	27.7	27.0	25.6	27.3	30.3	30.3	33.6	34.6	31.7	31.7	26.3	19.9

EB-90--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
22	....	27.2	....	27.2	30.1	33.8	36.4	36.5	31.7	31.8	26.2	19.2
23	....	27.2	....	27.6	29.9	34.8	35.8	36.6	34.3	32.0	25.9	18.4
24	....	27.1	27.1	27.6	30.3	32.3	35.3	38.6	31.3	31.6	25.0	19.2
25	....	27.2	27.4	27.7	30.0	36.2	32.9	38.1	30.2	31.8	24.2	18.4
26	....	27.0	27.2	28.1	30.1	32.1	33.4	34.9	32.4	31.9	23.6	16.9
27	....	26.8	26.9	28.2	30.0	32.1	33.5	36.4	31.4	31.8	21.8	16.6
28	27.6	26.6	26.8	28.2	30.0	31.8	35.7	36.3	32.5	32.0	22.8	18.2
29	27.7		27.0	28.4	29.8	32.2	35.2	35.5	30.3	32.0	22.9	18.6
30	27.8		....	28.4	29.2	32.8	34.0	35.7	30.7	32.0	22.9	18.9
31	31.7		26.9		29.7		33.7	36.0		31.5		18.6

EB-117. Westdale Country Club. 50 feet southeast of swimming pool. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	2.15	Aug. 4	5.49	Sept. 22	6.34	Nov. 10	7.34
Feb. 14	1.80	11	5.29	29	6.50	23	7.55
Mar. 3	1.48	18	5.27	Oct. 6	6.66	30	7.54
28	.84	25	5.42	13	6.84	Dec. 7	7.58
May 3	1.08	Sept. 1	5.44	20	7.05	14	7.55
31	3.19	8	5.79	27	7.26	21	7.36
July 9	4.52	15	6.11	Nov. 3	7.32	28	7.22

EB-123. City of Baton Rouge. At City Park swimming pool. Records available: 1947-49. Jan. 9, 95.94.

EB-125. People's Ice & Fuel Co. In Baton Rouge, at 1931 Railroad Avenue. Records available: 1940-49. May 9, 112.46; July 9, 133.69; Nov. 30, 107.95.

EB-128. Ice Service, Inc. In Baton Rouge, at 135 S. 15th Street. Records available: 1944-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	100.1	....	88.8	84.8	85.5	87.9
2	99.8	....	88.6	84.7	85.7	88.3
3	99.7	....	88.6	84.7	85.9	88.6
4	99.6	....	88.5	84.6	86.0	89.0
5	99.6	....	88.4	84.6	86.3	89.3
6	99.6	....	88.2	84.6	86.5	89.7
7	99.6	....	88.0	84.6	86.6	90.0
8	99.6	....	87.8	84.5	86.7	90.4
9	99.5	....	87.5	84.5	86.7	90.7
10	99.4	90.6	87.4	84.4	86.8	91.5
11	99.3	90.5	87.2	84.3	86.8	91.9
12	99.1	90.3	86.9	84.3	86.9	92.3
13	98.9	90.2	86.8	84.3	87.0	92.7
14	98.6	90.1	86.5	84.4	87.1	93.0
15	98.4	89.9	86.3	84.5	87.1	93.3
16	98.2	89.7	86.1	84.6	87.1	93.7
17	97.9	89.7	86.0	84.6	87.1	94.2
18	97.4	89.6	85.9	84.6	87.1	94.6
19	97.3	89.5	85.8	84.7	87.1	94.9
20	97.0	89.5	85.7	84.8	87.2	95.2
21	96.6	89.4	85.4	84.9	87.2	95.5
22	96.3	89.4	85.2	84.9	....	95.8
23	95.9	89.3	85.2	84.9	....	96.1
24	95.5	89.2	85.1	85.0	87.4	96.4
25	95.1	89.1	85.1	85.0	87.4	96.8
26	94.6	89.0	85.0	85.0	87.3	97.0
27	94.1	89.0	85.0	85.0	87.3	97.2
28	....	88.9	84.8	85.1	87.3	97.5
29	....		84.8	85.2	87.4	97.7
30	....		84.7	85.4	87.4	97.9
31	....		84.8		87.6	



EB-128--Continued.

Daily noon water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	98.2	108.0	114.3	.....	111.8	102.6
2	98.4	108.3	114.5	.....	111.6	102.4
3	98.8	108.5	114.7	.....	111.3	102.0
4	.....	108.8	114.7	.....	111.1	101.7
5	.....	109.0	114.8	.....	110.9	101.3
6	.....	109.3	114.8	all 17.09	110.7	100.8
7	.....	109.5	114.9	117.1	110.4	100.5
8	all 100.13	109.7	115.0	117.0	110.1	100.3
9	100.4	109.8	115.2	116.7	109.7	.....
10	100.6	110.0	115.5	116.5	109.4	.....
11	100.8	110.3	.....	116.2	109.1	.....
12	101.1	110.6	.....	116.0	108.7	a 99.03
13	101.4	110.8	.....	115.8	108.4	98.7
14	101.7	111.0	.....	115.6	107.9	98.4
15	101.9	111.1	all 15.64	115.3	107.5	98.4
16	102.4	111.2	.....	115.0	107.2	98.1
17	102.8	111.6	.....	114.7	107.0	97.9
18	103.2	111.8	.....	114.5	106.8	97.7
19	103.6	112.1	.....	114.2	106.4	97.4
20	104.0	112.4	.....	114.0	106.0	97.2
21	104.5	112.7	.....	113.8	105.7	97.0
22	104.9	112.9	all 16.32	113.7	105.3	96.8
23	105.2	113.0	.....	113.5	104.9	96.7
24	105.6	113.1	.....	113.2	104.5	96.4
25	105.8	113.3	.....	113.1	104.2	96.1
26	106.1	113.5	.....	112.9	103.9	95.8
27	106.4	113.6	.....	112.8	103.7	95.5
28	106.8	113.8	.....	112.6	103.3	95.4
29	107.1	113.9	all 17.12	112.4	103.1	95.1
30	107.4	114.0	.....	112.1	102.9	94.8
31	107.7	114.1	.....	111.9	.....	94.5

a Tape measurement at odd hour.

EB-160. Southern University Blind Institute. In Scotlandville, 30 feet northwest of main (brick) building. Abandoned drilled public-supply well, diameter 4 inches, depth about 1,015 feet. Measuring point, top of 4-inch casing, 1.2 feet above land-surface datum. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 6	11.65	Aug. 25	13.91	Oct. 6	13.81	Nov. 23	14.23
July 8	11.88	Sept. 1	14.15	13	13.97	30	14.30
14	12.26	8	13.97	20	14.38	Dec. 7	14.09
21	13.22	15	13.78	27	14.26	14	14.21
Aug. 4	13.21	22	13.71	Nov. 3	14.49	21	13.38
11	13.20	29	14.00	10	14.30	28	12.68
18	13.80						

EB-165. W. T. Baker Co. Sec. 74, T. 6 S., R. 1 W. Records available: 1946-48. Measurements discontinued.

EB-172. East Baton Rouge Recreation Commission. Sec. 54, T. 5 S., R. 1 E. Records available: 1948-49. Automatic water-stage recorder removed June 1, 1949.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55.4	52.8	49.6	45.8	.....	.....	.....	all 58.25	.....	.....	.....
2	55.4	52.7	49.5	45.7	.....	.....	.....	.....	.....	.....	.....
3	55.3	52.6	49.6	45.7	.....	.....	.....	.....	.....	.....	.....
4	55.2	52.4	49.5	45.6	.....	.....	.....	.....	.....	.....	.....
5	55.1	52.3	49.4	45.6	all 45.51	.....	.....	.....	.....	.....	.....

a Tape measurement at odd hour.

EB-172--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	55.0	52.2	49.3	45.5	.....	.....	.....	.....	a60.04	.....	.....
7	54.9	52.1	49.2	46.5	.....	.....	.....	.....	.....	.....	a59.66
8	54.8	52.0	49.1	46.4	.....	a52.20	.....	a58.81	.....	.....	.....
9	54.8	51.8	48.9	46.4	.....	.....	.....	.....	.....	.....	.....
10	54.7	51.7	48.8	46.4	.....	.....	.....	.....	.....	a59.92	.....
11	54.6	51.7	a48.61	46.3	.....	.....	.....	.....	.....	.....	.....
12	54.5	51.5	48.6	46.2	a45.73	.....	.....	.....	.....	.....	.....
13	54.4	51.5	48.5	46.2	.....	.....	.....	.....	a60.25	.....	.....
14	54.4	51.3	48.3	46.1	a45.80	a52.67	.....	.....	.....	.....	a59.27
15	....	51.2	48.2	46.1	.....	.....	.....	a59.52	.....	.....	.....
16	....	50.9	48.2	46.1	.....	.....	.....	.....	.....	.....	.....
17	....	50.9	48.0	46.0	.....	.....	.....	.....	.....	.....	.....
18	....	50.8	47.9	46.0	.....	.....	a56.60	.....	.....	.....	.....
19	....	50.7	47.9	46.0	.....	.....	.....	.....	.....	.....	.....
20	....	50.6	47.8	45.9	.....	.....	.....	.....	a60.30	.....	.....
21	....	50.5	47.7	45.9	.....	a55.32	.....	.....	.....	.....	a58.66
22	53.8	50.4	47.4	45.5	.....	.....	.....	a58.60	.....	.....	.....
23	53.7	50.3	47.4	45.5	.....	.....	.....	.....	.....	a61.05	.....
24	53.6	50.2	46.4	45.5	.....	.....	.....	.....	.....	.....	.....
25	53.5	50.0	46.3	45.5	.....	.....	a57.58	.....	.....	.....	.....
26	53.4	49.9	46.3	45.5	.....	.....	.....	.....	.....	.....	.....
27	53.3	49.8	46.2	45.5	.....	.....	.....	.....	a60.33	.....	.....
28	53.2	49.7	46.0	a45.48	.....	a55.42	.....	.....	.....	.....	a58.68
29	53.2	.....	46.0	.....	.....	.....	.....	a58.63	.....	.....	.....
30	53.0	.....	45.8	.....	.....	.....	.....	.....	.....	a61.08	.....
31	52.9	.....	45.8	.....	.....	.....	.....	.....	.....	.....	.....

a Tape measurement at odd hour.

EB-242. Louisiana State University. Sec. 74, T. 8 S., R. 1 W. Under tree in farmyard, 0.6 mile south of Arlington. Records available: 1945-49. Jan. 6, 6.55; Feb. 4, 1.56; Feb. 24, +3.33; Mar. 24, +2.15.

EB-289. Istrouma Water Co. Irregular sec. 50, T. 6 S., R. 1 W., 60 feet west of Highway 61-65,  $\frac{1}{2}$  mile south of Illinois Central Railroad crossing. Abandoned drilled public-supply well, diameter 4 inches, depth 1,404 feet. Measuring point, top edge  $\frac{3}{4}$ -inch brass cock, 0.67 foot above top of welded cap on 6-inch casing and 1.17 feet above land-surface datum. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 8	17.05	Aug. 25	16.65	Oct. 6	17.22	Nov. 23	17.60
14	18.17	Sept. 1	16.80	13	17.34	30	18.22
21	19.45	8	18.62	20	17.43	Dec. 7	18.67
Aug. 4	17.88	15	16.98	27	17.55	14	18.20
11	16.58	22	17.00	Nov. 3	17.36	21	17.90
18	16.79	29	17.01	10	17.60	28	17.16

EB-293. Consolidated Chemical Industries, Inc. Sec. 37, T. 6 S., R. 1 W., in pumphouse at plant. Records available: 1944-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	.....	117.4	.....	120.2	114.6	129.1
2	.....	118.2	.....	120.0	114.9	130.2
3	.....	117.8	119.0	110.3	115.2	131.2
4	.....	117.2	112.7	110.7	115.3	132.8
5	.....	116.9	.....	120.6	115.2	133.8
6	.....	117.2	.....	110.6	115.0	134.8
7	a133.39	117.3	.....	110.2	114.2	135.6
8	.....	117.5	.....	109.9	113.1	136.2
9	.....	117.7	.....	102.8	112.5	136.8
10	.....	117.0	109.6	110.7	112.6	137.8
11	.....	117.4	109.2	111.1	114.0	139.0

a Tape measurement at odd hour.

EB-293--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
13	.....	116.6	108.0	111.5	114.7	139.5
14	a128.15	115.9	107.2	112.3	114.2	140.0
15	.....	115.7	107.5	112.5	114.3	141.0
16	.....	116.0	107.6	113.1	114.2	142.0
17	.....	118.3	107.8	113.4	113.7	146.0
18	.....	118.8	108.8	113.8	113.8	146.9
19	.....	119.1	109.2	113.2	114.1	146.6
20	.....	119.2	109.4	112.2	114.4	146.3
21	a121.45	119.2	109.7	111.8	114.5	146.6
22	120.8	118.3	109.5	112.0	114.3	147.4
23	119.8	117.7	108.7	112.5	114.5	148.5
24	118.9	117.7	108.9	112.3	115.0	149.1
25	117.9	118.1	109.7	112.0	115.3	149.7
26	117.8	118.2	110.0	112.5	115.7	149.5
27	117.1	117.9	110.0	113.0	118.3	149.2
28	116.3	.....	110.0	113.2	121.2	149.9
29	115.6		110.1	113.7	123.9	150.6
30	115.4		109.8	114.4	126.4	151.0
31	116.4		109.9		128.1	

a Tape measurement at odd hour.

Daily noon water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	152.2	174.7	179.2	185.6	161.3	131.5
2	153.0	175.9	.....	183.0	160.2	130.7
3	152.2	176.4	.....	180.5	159.6	130.0
4	151.7	177.3	.....	179.2	155.6	128.8
5	151.4	178.4	.....	178.3	152.9	128.0
6	153.4	179.4	.....	179.3	150.8	127.8
7	154.6	179.8	.....	176.6	149.1	127.9
8	156.4	178.2	182.1	174.9	148.0	128.7
9	157.6	178.2	184.1	173.3	146.5	128.8
10	158.5	177.6	184.7	172.9	145.0	128.2
11	159.0	176.8	184.8	172.2	142.8	126.9
13	164.6	179.4	184.7	167.7	140.5	126.2
14	164.4	178.5	184.4	164.7	139.6	126.7
15	167.2	179.1	186.3	166.3	139.4	126.9
16	167.8	180.2	186.4	166.8	138.7	127.2
17	168.9	180.2	187.7	167.1	138.6	127.4
18	170.6	180.4	187.9	167.2	138.1	127.2
19	170.2	180.6	188.7	166.9	137.1	127.1
20	169.8	180.5	189.1	166.6	136.4	126.7
21	170.8	180.2	188.7	166.2	135.8	126.6
22	.....	179.7	188.0	166.2	135.1	126.8
23	.....	180.2	188.9	165.8	135.0	126.4
24	.....	178.3	189.6	165.1	135.0	125.6
25	170.6	177.2	188.1	164.5	134.8	124.9
26	171.0	179.2	187.2	164.4	134.6	124.1
27	171.2	179.5	187.5	164.0	134.3	123.0
28	171.2	179.5	187.5	163.4	134.1	122.2
29	172.0	179.0	187.8	162.8	133.0	121.8
30	172.8	178.7	187.8	162.1	132.1	121.5
31	173.8	178.5		161.7		121.4

EB-299. Staring & Kirby. In Baton Rouge at the corner of Istrouma Avenue and Haber Street, Capitol Heights. Records available: 1943-49. Jan. 26, +2.51; Feb. 19, +2.93; May 12, +1.20; June 4, +1.15; July 9, 0.02.

EB-301. H. B. Witter. At Baton Rouge, in W $\frac{1}{2}$  sec. 91, T. 7 S., R. 1 E., behind barn at Cedar Lane Planatation on Jefferson Highway. Records available: 1943-49. May 12, +0.90.

EB-302. H. A. Bozeman. NW corner sec. 3, T. 7 S., R. 2 E., 3.5 miles east of intersection of U. S. Highways 61 and 190, on south side of Highway 190. Records available: 1943-49. May 12, +17.0; Nov. 2, +14.3.

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. Abandoned drilled public-supply well, diameter 4 inches, depth 1,189 feet. Measuring point is at land-surface datum. Records available: 1949. Nov. 2, 2.00.

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. Used drilled public-supply well, diameter 6 inches, depth 1,725 feet. Measuring point, top of 6-inch plug in casing, 1.3 feet above land-surface datum. Records available: 1949. Nov. 2, 50.5.

EB-306. A. Wickenstad. NW $\frac{1}{4}$  sec. 66, T. 6 S., R. 1 E. Records available: 1943-49. May 12, +5.3; Nov. 2, 0.10.

EB-307. W. W. Bynum. Center of sec. 48, T. 6 S., R. 1 E. Measuring point since Nov. 2, 1949, top of 2-inch tee, 1.8 feet above land-surface datum. Records available: 1943-49. Jan. 26, +11.0; Nov. 2, +7.3.

EB-312. Baton Rouge Water Works Co. North Highlands subdivision, Baton Rouge. Measuring point, top of 4-inch casing, 0.67 foot above land-surface datum. Records available: 1943-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3.78	Apr. 14	3.56	Aug. 11	11.41	Oct. 20	14.98
Feb. 4	4.40	21	3.38	18	11.81	27	15.09
10	3.23	28	4.07	25	11.45	Nov. 3	14.77
17	2.80	May 5	5.23	Sept. 1	12.03	10	14.90
24	2.79	12	6.51	8	13.10	23	15.07
Mar. 3	2.16	19	8.53	15	13.66	30	15.88
11	4.11	26	8.80	22	13.89	Dec. 7	16.08
17	4.30	June 2	9.08	29	14.02	14	15.27
24	4.00	July 8	12.91	Oct. 6	14.47	21	14.90
31	3.43	28	14.43	13	14.65	28	14.72
Apr. 7	3.52	Aug. 4	13.08				

EB-315. E. J. Morgan. Center of sec. 93, T. 6 S., R. 1 E., at Zion City. Records available: 1943-49.

Jan. 13	11.99	Apr. 21	10.68	Aug. 4	16.66	Oct. 13	15.19
Feb. 4	12.59	28	11.25	11	17.63	20	15.53
10	12.59	May 5	12.12	18	17.54	27	15.83
24	11.47	12	12.26	25	17.96	Nov. 3	15.94
Mar. 3	11.15	19	12.60	Sept. 1	17.93	10	16.04
11	10.84	26	13.02	8	16.89	23	12.57
17	9.72	June 2	14.02	15	16.70	30	10.15
31	10.41	July 14	16.63	22	16.13	Dec. 7	8.74
Apr. 7	10.70	21	16.94	29	15.10	21	6.92
14	10.67	28	17.19	Oct. 6	14.82	28	6.71

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. Records available: 1943-49. May 12, +8.3; Nov. 2, +3.5.

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. Records available: 1943-46, 1948-49. Nov. 2, +6.5.

EB-322. T. E. Charlton. SE $\frac{1}{4}$  sec. 29, T. 5 S., R. 1 E. Records available: 1943-49. +40.1.

EB-323. Standard Ice Box Co. On west side of sec. 42, T. 7 S., R. 1 W., between 3d Street extension and Illinois Central Railroad. Records available: 1945-44, 1946-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.10	Apr. 7	10.23	July 28	13.68	Oct. 13	14.05
14	11.00	14	10.12	Aug. 4	12.81	20	14.08
26	10.37	21	10.27	11	13.50	27	14.02
Feb. 4	9.91	28	10.90	18	14.59	Nov. 3	13.70
10	9.57	May 5	11.37	25	14.10	10	13.91
17	9.69	14	13.82	Sept. 1	14.90	23	14.46
24	9.62	26	11.72	8	14.60	30	14.43
Mar. 3	9.79	June 2	11.39	15	14.13	Dec. 7	13.95
10	9.85	July 8	12.14	22	14.82	14	13.75
17	9.65	14	12.84	29	14.35	21	12.57
24	10.33	21	13.13	Oct. 6	14.29	28	12.32
31	10.36						

EB-468. A. M. Holden. East  $\frac{1}{2}$  sec. 53, T. 5 S., R. 1 E. Records available: 1948-49. Nov. 2, +60.9.

EB-469. A. M. Holden. East  $\frac{1}{2}$  sec. 53, T. 5 S., R. 1 E. Records available: 1948-49.

Feb. 4	7.84	Apr. 21	7.66	Aug. 4	9.56	Oct. 20	10.68
10	8.51	28	7.69	11	9.72	27	11.00
17	7.45	May 5	7.86	18	10.25	Nov. 3	11.10
24	7.41	12	7.83	25	10.28	10	10.81
Mar. 3	7.46	19	8.39	Sept. 1	10.68	23	11.00
11	7.42	26	8.50	8	10.49	30	11.24
17	5.53	June 2	8.59	15	10.51	Dec. 7	11.04
24	7.37	July 8	8.99	22	10.45	14	11.09
31	7.59	14	9.12	29	10.57	21	10.83
Apr. 7	7.74	21	9.38	Oct. 6	10.38	28	10.64
14	7.93	28	9.25	13	10.57		

EB-474. Geological Survey, U. S. Dept. of Interior. Watson farm. Sec. 57, T. 5 S., R. 2 E. Records available: 1948-49.

Jan. 6	10.56	July 9	10.36	Sept. 22	10.51	Nov. 10	10.83
28	10.44	14	10.22	Oct. 20	10.53	Dec. 14	11.27
May 8	9.09	Aug. 24	10.49				

### Evangeline Parish

Ev-1. John LaHaye. SW $\frac{1}{4}$  sec. 20, T. 4 S., R. 1 E. Records available: 1939-49.

Mar. 14	59.74	May 27	82.08	Aug. 26	77.04	Nov. 5	66.02
22	59.23	June 3	76.48	Sept. 2	77.24	11	65.31
Apr. 1	58.72	24	87.20	12	73.56	18	64.91
8	58.43	July 1	90.63	19	72.11	25	64.70
15	58.10	8	82.04	30	70.42	Dec. 1	64.13
23	57.68	21	85.51	Oct. 7	69.26	9	63.47
29	57.42	30	89.25	14	68.32	16	63.03
May 6	58.35	Aug. 5	91.89	21	67.47	23	62.59
13	60.03	12	81.83	28	66.82	29	62.12
20	63.03	20	80.39				

Ev-2. John Reed. North line sec. 37, T. 6 S., R. 1 W. Records available: 1939-49.

Mar. 14	65.95	Apr. 23	63.62	May 20	67.28	July 1	109.64
22	65.29	29	63.81	27	88.67	8	106.70
Apr. 8	64.57	May 6	63.78	June 10	97.27	Sept. 14	89.38
15	64.22	13	66.28	24	104.58	Dec. 12	70.86

Ev-3. Civilian Conservation Corps Camp 1427 (abandoned). SE $\frac{1}{4}$  sec. 33, T. 2 S., R. 2 E. Records available: 1944-49. Automatic water-stage recorder installed Oct. 18, 1949.

Daily noon water level, from recorder charts

Day	Jan.	Mar.	Apr.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	a32.73	.....	.....	.....	.....	.....	33.8	34.0
2	.....	.....	.....	.....	.....	.....	a33.71	.....	33.8	34.0
3	.....	.....	.....	.....	.....	.....	.....	.....	33.8	34.0
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.0
5	.....	a32.85	.....	.....	.....	a33.50	.....	.....	.....	34.0
6	.....	.....	.....	.....	.....	.....	.....	.....	33.9	34.0
7	.....	.....	.....	a33.05	.....	.....	.....	a33.87	33.9	34.0
8	.....	.....	.....	.....	.....	.....	.....	.....	33.9	34.0
9	.....	.....	.....	.....	.....	.....	.....	.....	33.9	34.0
10	.....	.....	.....	.....	.....	.....	.....	.....	33.9	34.0
11	.....	.....	.....	.....	.....	.....	.....	.....	33.9	34.0
12	.....	.....	.....	.....	.....	a33.59	a33.79	.....	33.9	34.0
13	.....	.....	.....	.....	.....	.....	.....	.....	33.9	34.0
14	.....	a32.88	.....	.....	.....	.....	.....	a33.86	.....	34.0
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.0
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.0
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.0
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.0
19	.....	.....	.....	.....	.....	a33.59	.....	33.8	33.9	34.0
20	.....	.....	.....	.....	.....	.....	.....	33.8	33.9	34.0
21	.....	.....	.....	.....	.....	.....	.....	33.8	34.0	34.0
22	.....	.....	.....	.....	.....	.....	.....	33.8	34.0	34.0
23	.....	.....	.....	.....	a33.50	.....	.....	33.8	34.0	34.0
24	.....	.....	.....	.....	.....	.....	.....	33.8	34.0	34.0
25	.....	.....	.....	.....	.....	.....	.....	33.8	34.0	34.0
26	.....	.....	.....	.....	.....	a33.66	.....	33.8	34.0	34.0
27	.....	.....	.....	.....	.....	.....	.....	33.8	34.0	34.0
28	.....	.....	.....	.....	.....	.....	.....	33.8	34.0	34.0
29	a33.34	.....	a32.50	a33.33	a33.50	.....	.....	33.8	34.0	34.0
30	.....	.....	.....	.....	.....	.....	a33.95	33.8	34.0	34.0
31	.....	.....	.....	.....	.....	.....	.....	33.8	.....	34.0

a Tape measurement at odd hour.

Ev-14. J. Perrodin. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T. 6 S., R. 2 W., 2.0 miles east of Basile, on north side of U. S. Highway 190. Records available: 1944-49. Mar. 14, 51.79; June 26, 75.51; Sept. 14, 65.93; Dec. 13, 46.02.

Ev-18. Alphonse LeFleur. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, T. 6 S., R. 2 W. Records available: 1944-49. Mar. 14, 47.58; Sept. 14, 63.32; Dec. 13, 51.42.

Ev-23. Mrs. A. Swallow. Sec. 26, T. 5 S., R. 2 W. Records available: 1946-49. Mar. 14, 46.77; Sept. 13, 51.04; Dec. 13, 50.80.

Ev-31. Eddie Manuel. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 20, T. 5 S., R. 1 W. Records available: 1944-49. Mar. 14, 56.84.

Ev-32. O. Reid. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 5 S., R. 1 W. Used drilled irrigation well, diameter 8 inches, depth 260 feet. Measuring point, bottom edge of discharge pipe, 3.20 feet above land-surface datum. Records available: 1949. May. 6, 59.68; May 13, 62.24; June 3, 86.36; Dec. 13, 66.34.

Ev-37. Gordon Micks. SW $\frac{1}{4}$  sec. 15, T. 3 S., R. 2 W. Records available: 1945-49. Automatic water-stage recorder installed Sept. 27, 1949.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.4	30.6
2	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.4	30.6
3	.....	.....	.....	.....	.....	.....	.....	.....	30.2	30.5	30.6
4	.....	.....	.....	.....	.....	.....	.....	.....	30.1	30.4	30.6
5	.....	.....	.....	.....	.....	.....	.....	.....	30.2	30.5	30.6

Ev-37--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.6
7	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.6
8	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.4	30.6
9	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.6
10	.....	.....	a25.91	.....	.....	.....	.....	.....	30.3	30.5	30.6
11	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.6
12	.....	.....	.....	.....	a24.94	.....	.....	.....	30.3	30.5	30.7
13	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.7
14	.....	a27.81	.....	.....	.....	.....	.....	.....	30.3	30.5	30.7
15	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.7
16	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.6
17	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.6	30.6
18	a30.04	.....	.....	.....	.....	.....	.....	.....	30.4	30.5	30.6
19	.....	.....	.....	.....	.....	.....	.....	.....	30.3	30.5	30.6
20	.....	.....	.....	a25.07	.....	.....	a27.18	.....	30.4	30.5	30.6
21	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.6	30.6
22	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.6	30.7
23	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.5	30.7
24	.....	.....	.....	.....	.....	.....	a26.89	.....	30.4	30.5	30.6
25	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.6	30.6
26	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.6	30.6
27	.....	.....	.....	.....	.....	.....	.....	.....	30.4	30.6	30.6
28	.....	.....	.....	.....	.....	.....	.....	30.2	30.4	30.6	30.7
29	.....	.....	.....	.....	.....	.....	.....	30.3	30.4	30.6	30.6
30	.....	.....	.....	.....	.....	a26.54	.....	30.3	30.4	30.6	30.6
31	.....	.....	.....	.....	.....	.....	.....	.....	30.5	30.6	30.6

a Tape measurement at odd hour.

Ev-39. P. E. Fontenot. SE $\frac{1}{4}$  sec. 23, T. 3 S., R. 2 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	21.59	Apr. 18	19.65	July 30	20.68	Oct. 11	23.62
Feb. 14	20.54	May 13	19.57	Aug. 24	21.07	Nov. 18	22.10
Mar. 10	20.62	July 6	21.54	Sept. 20	21.42	Dec. 19	22.19

Ev-41. Harvey Vidrine. NE $\frac{1}{4}$  sec. 14, T. 3 S., R. 2 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	20.17	Apr. 20	19.48	July 30	19.90	Oct. 11	20.29
Feb. 14	19.77	May 13	19.40	Aug. 20	19.95	Nov. 18	20.41
Mar. 10	19.66	July 6	19.84	Sept. 20	20.24	Dec. 19	20.44

Ev-46. Gordon Micks. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 15, T. 3 S., R. 2 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	31.59	Apr. 18	30.11	July 30	31.48	Oct. 11	32.05
Feb. 15	30.89	May 13	29.96	Aug. 20	31.87	Nov. 15	32.31
Mar. 10	30.81	July 6	27.01	Sept. 20	31.91	Dec. 19	32.72

Ev-51. Eugellie Guillory. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 3 S., R. 2 W. Records available: 1945-48. Measurements discontinued.

Ev-68. Davies Guillory. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 4 S., R. 1 W. Used drilled irrigation well, diameter 10 inches, depth 190 feet. Measuring point, lower edge of discharge pipe, 5.10 feet below land-surface datum. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23	59.09	May 27	82.35	Oct. 7	73.63	Nov. 25	65.81
Apr. 8	58.22	June 24	96.14	14	71.84	Dec. 2	65.08
15	57.84	Aug. 20	87.64	21	70.33	9	64.20
23	57.39	26	86.08	27	69.18	16	63.59
29	57.17	Sept. 2	85.54	Nov. 5	67.87	23	63.03
May 6	58.30	12	81.46	11	66.84	29	62.45
13	60.24	19	79.03	18	66.18		

Ev-70. C. Guillory. Center line sec. 1, T. 6 S., R. 1 E. Records available: 1947-49. Mar. 17, 67.56; Sept. 12, 79.75; Sept. 30, 75.98; Dec. 13, 70.35.

Ev-76. W. Vidrine. Irregular sec. 59, T. 5 S., R. 2 E. Measuring point, bottom edge of discharge pipe, 9.22 feet above land-surface datum. Records available: 1947-49. Mar. 17, 61.87; June 22, 73.88.

Ev-84. Leroy Soilleau. NW $\frac{1}{4}$  sec. 33, T. 5 S., R. 1 E. Used drilled irrigation well, diameter 10 inches, depth 210 feet. Measuring point, bottom edge of discharge pipe, 5.06 feet above land-surface datum. Records available: 1949. Dec. 13, 76.12.

Ev-90. Hass Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 4 S., R. 1 W. Records available: 1947-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14	42.68	Apr. 29	44.74	June 21	72.41	Dec. 13	46.01
Apr. 23	44.84	June 7	69.08	Sept. 12	61.22		

Ev-200. Continental Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, T. 4 S., R. 1 W. Records available: 1948-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.0	31.6	30.6	29.2	28.9	38.7	43.6	40.8	....	37.3	35.1	32.7
2	32.9	31.5	30.5	29.2	28.9	40.0	44.2	40.8	....	37.2	35.0	32.6
3	32.7	31.4	30.5	29.3	28.9	39.6	43.8	40.9	42.0	37.2	35.0	32.6
4	32.6	31.3	30.4	29.5	28.9	40.3	43.4	42.0	41.7	37.1	34.9	32.5
5	32.5	31.2	....	29.6	29.0	40.9	43.1	42.4	41.6	36.7	34.8	32.5
6	32.5	31.2	30.5	29.6	29.1	41.4	43.0	43.2	41.4	36.6	34.8	32.4
7	32.5	31.1	30.3	29.6	29.1	41.9	43.0	43.2	41.2	36.5	34.7	32.4
8	32.5	31.1	30.3	29.5	29.1	42.8	43.0	42.9	41.0	36.4	34.6	32.4
9	32.6	31.0	30.2	29.5	29.1	43.7	43.1	....	40.8	....	34.6	32.4
10	32.5	30.9	30.2	29.4	29.0	44.5	43.1	....	40.6	....	34.5	32.3
11	32.5	30.8	30.2	29.0	29.0	45.2	43.1	....	40.4	37.0	34.4	32.3
12	32.5	....	30.1	28.7	29.0	45.7	43.1	42.2	40.2	36.8	33.5	32.3
13	32.3	31.1	30.1	28.8	29.1	46.2	43.2	42.2	40.2	36.7	33.4	32.2
14	32.3	31.2	30.0	29.1	29.2	46.7	44.2	42.2	40.2	36.6	33.4	32.2
15	32.2	31.2	29.9	29.3	29.4	47.0	44.3	42.2	40.2	36.5	33.3	32.1
16	32.1	31.1	30.0	29.4	29.6	47.3	....	42.3	40.2	36.4	33.3	32.1
17	31.8	31.1	30.0	29.4	30.0	47.5	....	42.3	40.2	36.4	33.3	31.9
18	31.5	31.0	30.0	29.4	....	47.9	....	42.5	....	36.3	33.2	31.7
19	31.5	30.7	30.0	29.3	....	48.0	....	42.7	....	36.2	33.1	31.6
20	....	....	....	29.2	30.3	47.3	....	42.8	38.6	36.1	33.1	31.6
21	31.7	30.5	....	29.1	30.5	47.1	....	42.8	38.6	36.0	33.1	31.7
22	31.8	30.7	....	28.7	30.9	46.7	....	42.9	38.5	35.9	33.1	31.7
23	31.8	30.8	....	....	31.3	46.2	....	43.2	38.4	35.8	33.0	31.8
24	31.8	30.8	....	....	32.8	45.8	....	43.4	38.3	35.7	32.9	31.8
25	31.9	30.7	....	....	34.1	45.6	....	43.9	38.2	35.7	32.9	31.7
26	31.9	30.6	....	....	....	45.1	....	44.2	38.0	35.6	32.9	31.6
27	31.8	30.6	....	....	36.4	44.7	....	44.4	37.8	35.5	32.8	31.6
28	....	30.6	....	29.0	37.2	44.4	....	44.5	37.7	35.4	32.7	31.5
29	....	....	....	29.0	37.3	44.1	....	44.6	37.6	35.4	32.7	31.5
30	31.7	....	....	28.9	37.3	43.7	....	43.9	37.5	35.2	32.7	31.5
31	31.7	....	....	....	38.4	....	41.0	43.2	....	35.1	....	31.5

a Tape measurement at odd hour.

Ev-229. Chestley Fontenot. SE $\frac{1}{4}$  sec. 25, T. 4 S., R. 1 W. Abandoned drilled irrigation well, diameter 18 inches, depth 135 feet. Measuring point, edge of concrete foundation, 0.25 foot above land-surface datum. Records available: 1949.



## Ev-229--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 22	48.39	June 10	80.59	Aug. 26	70.37	Nov. 5	55.30
Apr. 1	47.94	24	84.76	Sept. 2	72.29	11	54.57
8	47.86	July 1	76.40	10	66.72	18	53.97
15	47.44	8	78.51	19	64.37	25	53.69
23	47.02	15	74.60	24	63.29	Dec. 2	53.72
May 6	49.00	22	72.82	30	61.57	9	52.55
13	50.65	30	73.27	Oct. 7	59.85	16	52.02
20	53.64	Aug. 5	76.41	14	58.39	23	51.52
27	68.05	12	72.99	21	57.23	29	50.85
June 3	71.02	20	72.30	28	56.33		

Ev-236. Continental Oil Co. West side of sec. 44, T. 4 S., R. 2 E. Unused drilled oil-field supply well, diameter 6 inches, depth 290 feet. Measuring point, top of airline, 2.8 feet above land-surface datum. Automatic water-stage recorder installed Mar. 12, 1949. Records available: 1949.

## Daily noon water level, from recorder charts

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	a68.82	.....	.....	70.7	72.1	72.4	72.3	72.1	72.0
2	.....	.....	.....	.....	71.5	72.2	72.4	72.3	72.0	72.0
3	.....	.....	.....	71.1	71.7	72.3	72.5	72.3	72.0	72.0
4	.....	.....	.....	71.0	71.9	72.3	72.3	72.1	72.0	72.0
5	.....	.....	.....	71.0	72.1	72.5	72.4	72.1	.....	72.0
6	.....	.....	a69.44	71.0	72.2	72.4	72.4	72.1	72.1	71.9
7	.....	.....	.....	71.0	72.2	72.4	72.4	72.1	72.0	71.9
8	.....	a68.89	.....	71.2	72.2	72.4	72.4	72.4	71.9	71.9
9	.....	.....	.....	71.3	72.3	72.4	72.4	72.4	71.9	71.9
10	.....	.....	.....	71.3	72.3	72.3	72.4	72.2	71.9	71.7
11	.....	.....	.....	71.1	72.2	72.4	72.4	72.2	71.9	71.7
12	a68.84	.....	.....	71.0	72.1	72.3	72.4	72.1	71.8	71.7
13	.....	.....	a69.28	71.2	72.1	72.1	72.4	72.1	71.9	.....
14	.....	.....	.....	71.1	72.1	72.1	72.4	72.1	71.9	.....
15	.....	a69.08	.....	71.1	72.1	72.4	72.3	72.2	71.8	.....
16	.....	.....	.....	71.3	72.0	72.5	72.3	72.2	72.0	72.0
17	.....	.....	.....	71.4	72.0	72.6	72.3	72.2	71.9	71.6
18	.....	.....	.....	71.5	72.1	72.5	72.4	72.2	.....	71.6
19	.....	.....	.....	71.5	72.3	72.4	72.4	72.2	71.8	71.8
20	.....	.....	a69.17	71.5	72.3	72.4	72.4	72.1	71.8	71.7
21	.....	.....	.....	71.4	72.4	72.5	72.3	72.1	72.0	71.6
22	a68.84	.....	.....	71.3	72.5	72.5	72.3	72.2	72.0	71.7
23	.....	a68.94	.....	71.2	72.5	72.5	72.3	72.2	71.8	.....
24	a68.85	.....	.....	.....	72.5	72.5	.....	72.0	71.7	71.9
25	.....	.....	.....	.....	72.4	72.5	72.3	72.2	71.9	71.7
26	.....	.....	.....	.....	72.3	72.6	72.4	72.2	71.9	71.6
27	.....	.....	a70.25	.....	72.3	72.4	72.3	72.1	71.8	71.7
28	.....	.....	70.4	.....	72.4	72.4	72.3	72.1	71.8	71.8
29	.....	a69.29	70.5	.....	72.2	72.4	72.4	72.1	71.8	71.8
30	.....	.....	70.7	.....	72.1	72.4	72.5	71.9	72.1	71.8
31	.....	.....	70.7	.....	72.1	72.4	.....	72.1	.....	71.8

a Tape measurement at odd hour.

Grant Parish

G-21. U. S. Dept. of Agriculture. In Pollock, at Catahoula Fire Tower. Records available: 1938, 1940-49. Sept. 16, 134.82; Oct. 24, 134.19.

G-27. 4-H Club Camp. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, T. 6 N., R. 1 E. Measurements resumed. Records available: 1938, 1940-47, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	+3.13	May 9	+3.32	Aug. 1	+3.20	Nov. 4	+3.20
Feb. 28	+3.28	30	+3.35	Oct. 3	+3.25	28	+2.83
Mar. 28	+3.40						

G-112. Town of Colfax. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 6 N., R. 3 W. Records available: 1946-48. Measurements discontinued.

G-113. Town of Colfax. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 6 N., R. 3 W. Records available: 1947-48. Measurements discontinued.

G-121. John Humberlin. At Boyce. Records available: 1947-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	2.91	May 5	1.81	Sept. 9	5.93	Nov. 22	5.14
Apr. 5	.42	26	5.26	Oct. 24	5.85	Dec. 29	.16

G-122. G. G. Smith. At Boyce. Records available: 1948. Measurements discontinued.

### Iberia Parish

I-19. Jefferson Island Planting Co. Irregular sec. 59, T. 12 S., R. 5 E. Records available: 1944-49. Mar. 16, 6.79; June 20, 8.10; Sept. 12, 8.06; Dec. 14, 7.46.

### 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. Records available: 1946-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	104.4	105.4	102.0	85.3	83.5	90.7	102.6	96.7	108.8	113.6	102.8	112.3
2	104.8	106.6	101.9	84.8	84.9	91.0	102.7	94.0	109.1	113.7	102.5	112.6
3	104.8	107.8	101.7	84.4	86.3	91.3	102.7	92.0	109.4	113.8	102.5	112.9
4	104.6	108.5	101.5	83.9	87.5	91.6	102.6	88.1	109.6	113.8	102.6	113.1
5	104.5	109.1	101.4	83.4	88.6	92.4	99.5	84.6	109.8	113.9	102.4	113.4
6	104.3	108.9	101.2	82.8	89.0	94.1	96.5	83.6	105.4	113.9	102.2	113.5
7	104.2	108.3	101.1	82.5	87.7	96.3	94.4	82.6	104.7	114.0	102.0	113.7
8	104.1	107.6	101.0	82.1	85.7	97.7	94.8	80.9	106.2	114.0	101.8	113.8
9	104.0	107.0	100.8	81.8	83.9	....	96.1	80.6	107.5	114.1	101.3	113.9
10	103.9	106.4	100.7	81.4	82.6	....	97.1	81.5	108.6	114.1	101.1	114.0
11	103.8	105.8	100.6	81.0	81.4	....	97.9	83.4	109.5	114.2	101.2	114.1
12	104.2	105.3	100.5	80.7	80.5	....	98.6	84.7	110.1	114.3	102.5	114.1
13	105.4	104.9	100.4	80.5	79.7	....	99.2	86.7	110.8	114.3	104.2	114.2
14	105.7	104.5	100.3	80.5	79.0	....	99.7	89.8	111.5	114.4	105.8	114.2
15	105.6	104.1	100.2	81.8	78.3	....	100.1	93.6	112.1	114.5	107.1	114.3
16	105.4	103.9	100.1	82.5	77.7	....	100.5	96.5	112.1	114.6	108.3	114.3
17	105.1	103.6	100.0	82.3	77.3	....	100.8	98.4	112.2	114.8	108.0	114.3
18	104.7	103.3	99.9	81.6	78.4	....	101.1	99.4	112.3	115.1	106.4	114.3
19	104.5	103.1	99.9	80.9	79.9	....	101.3	101.4	112.3	115.3	105.0	114.4
20	104.3	102.9	99.8	80.5	81.5	....	101.5	102.7	112.4	113.1	104.1	112.2
21	104.1	102.7	99.7	80.1	83.1	....	101.7	103.8	112.5	110.2	103.5	112.0
22	103.9	102.5	98.1	79.8	84.4	....	101.8	104.6	112.6	108.4	104.4	112.6
23	103.7	102.3	95.6	79.6	85.5	....	102.0	105.2	112.7	107.2	105.8	112.9
24	103.6	102.1	92.8	79.6	86.4	....	102.1	105.6	112.9	106.3	107.2	113.1
25	103.5	102.4	91.1	79.2	87.3	....	102.2	107.0	113.0	105.6	108.4	107.7
26	103.4	102.6	89.7	80.7	88.0	....	102.7	107.0	113.1	105.1	109.4	102.4
27	103.4	102.5	88.5	81.5	88.6	102.5	102.7	107.3	113.2	104.6	110.2	102.3
28	103.2	102.2	87.5	81.6	89.1	102.5	102.7	107.6	113.3	104.1	110.9	102.6
29	103.2		86.9	81.0	89.6	102.5	102.7	108.0	113.4	103.8	111.4	102.6
30	103.1		86.5	82.0	90.0	102.6	102.7	108.3	113.5	103.4	111.9	102.4
31	104.0		85.7		90.4		100.2	108.6		102.9		102.1

a Tape measurement at odd hour.

### Jefferson Parish

Jf-8. Gretna Ice Service, Inc. Sec. 5, T. 13 S., R. 24 E. Records available: 1947-49. Measurements discontinued.

Jf-8--Continued.

Date	Water level	Date	Water level	Date	Water level
Jan. 2	72.97	Mar. 20	69.50	Dec. 11	81.80
Feb. 19	73.56	Aug. 14	87.49		

Jf-12. Fourth Jefferson Drainage District. At New Orleans pumping station 1, about 1.25 miles west of parish line on Lake Pontchartrain. Records available: 1942-49. Jan. 2, 28.85; Mar. 20, 26.46; Dec. 11, 32.51.

Jefferson Davis Parish

JD-6. H. Aguilard. NW $\frac{1}{4}$  sec. 22, T. 8 S., R. 4 W. Records available: 1939-49. Mar. 15, 51.89. Measurements discontinued.

JD-8. William Koll. SW $\frac{1}{4}$  sec. 3, T. 9 S., R. 3 W. Records available: 1938-49. Mar. 15, 42.32; Dec. 19, 44.79.

JD-9. Welsh Canal Co. Formerly owned by Calcasieu National Bank. NW $\frac{1}{4}$  sec. 34, T. 9 S., R. 4 W. Records available: 1938-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	40.57	Apr. 8	33.90	July 14	59.84	Oct. 7	46.55
14	39.77	22	33.75	21	52.94	14	45.10
21	39.05	29	33.55	28	50.02	21	43.82
28	38.43	May 6	35.57	Aug. 4	50.37	28	42.87
Feb. 3	37.83	13	36.89	11	56.43	Nov. 4	41.95
11	36.38	20	40.24	18	53.89	11	41.01
18	36.73	27	43.54	25	57.54	25	39.76
23	36.21	June 3	41.91	Sept. 1	54.20	Dec. 2	39.24
Mar. 4	35.80	8	45.78	8	52.97	8	38.56
11	35.36	14	47.69	14	51.28	19	37.71
18	34.92	21	53.90	22	49.69	23	37.45
25	34.45	July 2	57.85	29	48.59	30	36.86
Apr. 1	34.14						

JD-11. Mrs. T. L. Linscomb. NE $\frac{1}{4}$  sec. 28, T. 7 S., R. 3 W. Records available: 1938-49. Mar. 15, 54.70; Sept. 14, 61.62; Dec. 15, 56.60.

JD-14. Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 21, T. 7 S., R. 4 W. Records available: 1938-39; 1944-49. Mar. 15, 51.01; June 8, 54.65; Sept. 13, 54.90; Dec. 15, 52.14.

JD-23. Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 4, T. 10 S., R. 6 W. Records available: 1938-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.8	36.5	34.6	32.8	31.6	33.9	49.6	44.7	51.8	47.0	41.0	37.8
2	38.6	36.4	34.6	32.7	31.6	34.3	50.0	44.7	51.8	46.7	40.8	37.7
3	38.5	36.3	34.5	32.8	31.6	34.9	50.2	44.9	51.7	46.4	40.7	37.7
4	38.5	36.2	34.5	32.7	31.7	35.4	50.2	45.1	51.4	45.9	40.6	37.5
5	38.5	36.1	34.4	32.7	....	35.9	50.1	45.4	51.2	45.7	40.4	37.5
6	38.5	36.1	34.3	32.6	31.9	36.4	50.1	45.6	51.0	45.0	40.4	37.3
7	38.4	36.0	34.3	32.6	32.0	36.9	50.2	45.7	50.7	44.8	40.2	37.2
8	38.3	35.8	34.2	32.5	32.1	37.3	50.3	45.7	50.5	44.5	40.1	37.2
9	38.2	35.8	34.1	32.4	32.2	37.5	50.4	45.7	50.3	44.4	39.9	37.2
10	38.2	35.9	34.1	32.3	32.2	37.8	50.3	45.9	50.3	44.1	39.8	37.0
11	38.1	35.8	34.0	32.3	32.1	38.1	50.0	46.3	50.3	43.9	39.7	37.0
12	38.0	35.7	34.0	32.2	32.0	38.5	50.1	46.5	50.4	43.6	39.4	36.8
13	37.9	35.7	33.9	32.2	31.9	39.0	50.4	46.7	50.4	43.5	39.4	36.9
14	37.8	35.6	33.7	32.2	31.8	39.7	50.6	46.9	50.5	43.3	39.3	36.8
15	37.7	35.5	33.8	....	31.8	40.4	50.8	47.3	50.5	43.1	39.2	36.7
16	37.6	35.4	33.8	....	31.7	40.9	50.8	47.5	50.4	42.9	39.2	36.7
17	37.5	35.4	33.7	....	31.7	41.3	50.4	47.6	50.2	42.8	39.2	36.5

JD-23--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	37.4	35.3	33.6	....	31.7	41.8	50.0	47.8	49.9	42.6	39.0	36.4
19	37.5	35.2	33.7	....	51.9	42.2	49.5	48.0	49.7	42.4	38.9	36.4
20	37.4	35.2	33.6	....	32.1	42.7	49.1	48.3	49.3	42.1	38.8	36.3
21	37.3	35.1	33.2	....	32.3	43.4	48.6	48.7	49.0	42.4	38.8	36.2
22	37.2	35.1	33.3	31.9	32.5	44.2	48.2	49.0	49.7	42.4	38.7	36.1
23	37.1	35.0	33.3	31.9	32.9	44.8	47.7	49.2	49.4	42.3	38.6	36.1
24	37.0	34.8	33.2	31.8	33.2	45.5	47.4	49.4	49.1	42.0	38.4	36.1
25	37.0	34.8	33.3	31.8	33.3	46.3	46.9	49.6	48.8	41.9	38.3	36.0
26	36.9	34.7	33.2	31.8	33.5	46.9	46.6	50.0	48.6	41.8	38.2	35.8
27	36.8	34.7	33.2	31.8	33.7	47.4	46.3	50.3	48.4	41.7	38.1	35.8
28	36.8	34.7	33.1	31.7	33.8	47.8	45.9	50.5	48.3	41.5	38.0	35.8
29	36.8		33.0	31.6	33.8	48.3	45.6	50.7	47.2	41.4	37.9	35.7
30	36.7		32.9	31.6	33.8	49.0	45.3	51.1	47.2	41.1	37.9	35.7
31	36.6		32.9		33.9		45.0	51.5		41.1		35.7

JD-26. I. L. Hebert. NE $\frac{1}{4}$  sec. 21, T. 10 S., R. 3 W. Records available: 1939-49. Mar. 15, 29.12; June 8, 33.70; Sept. 13, 38.73; Dec. 12, 31.44.

JD-33. Joe Petitjean. NW $\frac{1}{4}$  sec. 18, T. 11 S., R. 4 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 15	17.50	June 22	21.60	Dec. 12	19.92
June 8	18.56	Sept. 13	27.27		

JD-43. Colon Leger. NE $\frac{1}{4}$  sec. 24, T. 8 S., R. 6 W. Records available: 1939-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.7	41.0	39.5	38.0	36.3	39.3	51.6	44.7	49.9	46.0	43.0	41.5
2	42.5	41.0	39.4	37.5	36.4	40.3	51.1	44.7	49.2	45.6	42.9	41.5
3	42.3	40.8	39.5	37.5	36.4	41.0	50.9	45.7	48.5	45.3	42.9	41.8
4	42.3	40.7	39.3	37.4	36.3	41.0	49.8	46.7	47.6	44.8	....	41.4
5	42.4	40.6	39.2	37.4	36.3	40.9	48.4	47.3	47.2	44.8	42.8	41.4
6	42.4	40.5	39.1	37.4	36.3	45.5	47.6	51.1	47.6	44.8	42.8	41.2
7	42.4	40.5	39.1	37.3	36.2	47.2	47.7	47.3	46.9	....	42.7	41.1
8	42.3	40.4	39.1	37.3	36.2	48.2	47.3	50.7	46.8	44.7	42.6	41.1
9	42.3	40.4	38.9	37.2	36.2	49.2	47.2	51.6	47.0	44.7	42.5	41.1
10	42.2	40.5	39.0	37.1	36.9	49.1	47.1	51.8	47.2	44.5	42.4	41.0
11	42.2	40.5	39.0	37.1	37.4	49.7	51.3	52.0	....	44.4	42.3	40.9
12	42.1	40.4	38.9	37.0	36.8	48.4	51.7	53.5	....	44.2	42.2	40.9
13	42.0	40.3	38.9	37.0	....	49.0	52.8	54.5	....	44.2	42.2	40.9
14	42.0	40.2	38.7	37.0	36.7	50.8	51.2	53.0	....	44.2	42.2	40.9
15	41.9	40.1	38.9	37.0	37.5	50.6	48.3	53.1	....	44.1	42.2	40.9
16	41.8	40.1	38.9	....	37.8	50.6	47.2	50.9	47.1	44.0	42.2	40.8
17	41.7	40.2	38.8	....	38.0	51.1	46.7	50.7	47.0	44.0	42.2	40.7
18	41.6	40.0	38.8	....	37.9	50.7	46.3	50.8	46.6	43.9	....	40.6
19	41.8	39.9	38.8	....	37.5	51.1	46.1	48.8	46.4	43.9	....	40.6
20	41.8	39.9	38.7	....	38.2	51.1	45.8	48.7	46.2	43.7	....	40.5
21	41.6	39.9	38.5	....	39.2	51.2	45.6	48.3	46.0	43.7	....	40.4
22	41.5	39.9	38.4	....	39.1	51.2	45.5	48.6	45.8	43.6	....	40.3
23	41.5	39.8	38.4	36.8	43.2	51.4	45.3	49.4	45.7	43.6	....	40.5
24	41.4	39.6	38.4	36.8	44.0	52.0	45.2	50.1	45.7	43.5	....	40.5
25	41.4	39.6	38.4	36.8	44.7	53.6	45.0	54.0	45.6	43.4	....	40.3
26	41.3	39.5	38.3	36.7	46.3	50.2	44.9	51.5	45.5	43.4	42.0	40.2
27	41.2	39.5	38.2	36.6	46.4	53.1	44.8	50.2	45.4	43.3	41.7	40.2
28	41.1	39.5	38.2	36.5	41.1	52.5	44.7	49.5	45.3	43.3	41.5	40.1
29	41.2		37.9	36.5	40.0	53.4	44.6	49.3	45.7	43.2	41.5	40.1
30	41.1		38.0	36.4	39.5	53.5	44.7	49.2	45.9	43.0	41.5	40.0
31	41.0		38.0		39.4		....	49.7		43.0		40.0

JD-78. E. A. Lyons & Sons. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 24, T. 11 S., R. 5 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 15	12.85	June 22	15.40	Dec. 12	15.04
June 8	13.19	Sept. 13	21.14		

JD-115. Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 34, T. 9 S., R. 5 W. Records available: 1939-49. Mar. 18, 41.41; Sept. 15, 63.58.

JD-222. Lacassane Co., Inc. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 11 S., R. 5 W. Records available: 1945-49. June 8, 13.56; June 22, 15.31; Sept. 13, 22.25; Dec. 12, 16.76.

JD-223. Lacassane Co., Inc. SW $\frac{1}{4}$  sec. 27, T. 11 S., R. 4 W. Records available: 1945-49. Mar. 15, 13.93; June 8, 14.64; Sept. 13, 20.67; Dec. 12, 15.67.

JD-224. Latreille Estate. Sec. 10, T. 8 S., R. 4 W. Records available: 1946-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.4	52.0	50.5	49.0	48.7	....	67.7	58.1	61.6	57.5	54.5	52.8
2	53.3	51.8	50.5	48.9	48.6	56.4	67.9	58.9	61.5	57.3	54.3	52.8
3	53.3	51.7	50.5	48.9	48.1	56.9	67.3	60.8	61.3	57.0	54.3	52.7
4	53.4	51.6	50.4	48.9	48.1	57.3	66.6	61.7	60.9	56.7	54.3	52.6
5	53.5	51.5	50.3	48.8	48.2	57.6	66.5	61.3	60.7	56.7	54.2	52.7
6	53.4	51.5	50.2	48.8	48.2	57.6	66.4	61.4	60.6	56.7	54.2	52.4
7	53.3	51.5	50.2	48.7	48.2	60.0	....	61.2	60.7	56.5	54.1	52.3
8	53.3	51.4	50.2	48.7	48.2	61.3	66.3	60.8	61.0	56.5	54.0	52.3
9	53.3	51.4	50.1	48.6	48.2	61.1	64.9	60.5	62.6	56.4	53.8	52.3
10	53.2	51.5	50.2	48.6	....	61.9	64.0	60.4	63.0	56.3	53.8	52.1
11	53.2	51.4	50.1	48.7	....	63.2	63.9	60.8	63.2	56.1	53.7	52.1
12	53.1	51.3	50.1	48.7	48.0	63.3	63.8	61.0	62.3	56.0	53.5	52.1
13	53.0	51.3	....	48.7	47.9	62.7	63.9	61.4	62.6	55.9	53.6	52.1
14	52.9	51.1	....	48.6	47.8	63.4	63.6	61.3	62.4	55.8	53.5	52.1
15	52.7	51.1	49.9	48.6	47.3	62.3	63.0	61.0	61.1	55.7	53.5	52.0
16	52.6	51.1	49.8	48.5	46.9	63.7	62.3	61.4	60.9	55.7	53.5	52.0
17	52.6	51.1	49.7	48.5	46.8	64.4	61.8	63.0	60.6	55.6	53.5	51.8
18	52.7	50.9	49.8	48.4	46.5	63.7	61.3	63.3	60.3	55.6	53.5	51.7
19	52.7	50.9	49.8	48.4	....	64.3	61.0	63.9	60.0	55.4	53.4	51.7
20	52.7	50.9	49.3	48.4	....	63.9	60.6	64.4	59.8	55.3	53.3	51.6
21	52.6	50.9	49.4	48.4	....	64.0	60.2	63.2	59.5	55.2	53.3	51.4
22	52.5	50.9	49.4	....	....	64.8	59.9	64.2	59.2	55.2	53.3	51.5
23	52.4	50.8	49.4	....	....	65.5	59.6	64.7	59.1	55.2	53.2	51.6
24	52.4	50.7	49.3	....	....	65.5	59.4	65.3	58.9	55.0	52.9	51.6
25	52.3	50.7	49.3	....	53.7	65.6	59.1	65.6	58.7	55.0	53.1	51.5
26	52.2	50.6	49.2	....	55.2	65.5	58.6	65.7	58.6	54.9	53.1	51.3
27	52.0	50.5	48.9	48.4	56.2	65.3	58.6	64.8	58.4	54.8	53.0	51.3
28	52.1	50.5	49.0	48.5	56.6	65.9	58.5	63.8	58.3	54.7	52.8	51.3
29	52.2	....	48.9	48.5	56.0	....	58.6	62.8	57.7	54.6	52.8	51.3
30	52.0	....	48.9	48.6	54.9	67.5	58.4	62.0	57.6	54.4	52.8	51.2
31	52.0	....	48.9	....	54.7	....	58.3	61.7	....	54.5	....	51.1

JD-317. H. Aguiard. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 8 S., R. 4 W. Records available: 1948-49. Sept. 15, 63.82; Dec. 19, 53.63.

JD-331. Lock Moor Plantation. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, T. 8 S., R. 7 W. Used drilled irrigation well, diameter 10 inches, depth 183 feet. Measuring point, bottom edge of discharge pipe, 4.5 feet above land-surface datum. Records available: 1949. Mar. 16, 24.46; Dec. 19, 25.61.

#### Lafayette Parish

Lf-6. Southwestern Louisiana Institute Horticultural Farm. Irregular sec. 68, T. 9 S., R. 4 W. Records available: 1944-49. Mar. 14, 28.72; June 22, 28.89; Sept. 12, 28.86; Dec. 14, 29.79.

Lf-129. Claude Hanks. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 10 S., R. 3 E. Records available: 1944-49. Mar. 16, 28.89; June 21, 31.70; Sept. 13, 31.88; Dec. 14, 29.81.

Lf-164. Gaston Gordon. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 10 S., R. 5 E. Records available: 1944-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.3	24.8	25.7	21.6	21.9	23.4	24.1	....	22.8	24.0	....	....
2	25.3	24.8	25.7	21.4	22.0	23.5	24.1	....	22.9	24.0	....	....
3	25.1	24.8	....	21.5	22.1	23.5	24.1	....	22.9	24.0	....	....
4	25.1	24.8	....	21.5	22.2	23.5	24.2	....	23.0	24.0	....	....
5	25.1	24.8	....	21.5	22.2	23.6	24.2	....	23.0	23.9	....	....
6	25.1	24.8	....	21.6	22.2	23.6	24.1	....	23.1	23.8	....	....
7	25.1	24.8	....	21.6	22.2	23.6	24.1	....	23.2	23.7	....	....
8	25.0	24.8	....	21.6	22.2	23.7	24.1	....	23.2	23.4	....	....
9	25.0	24.7	....	21.7	22.3	....	24.1	....	23.3	23.3	....	....
10	25.0	24.7	....	21.7	22.3	....	24.1	....	23.3	23.2	....	....
11	25.0	24.7	....	21.8	22.4	....	24.1	....	23.4	23.2	....	....
12	25.0	24.7	....	21.9	22.5	23.6	24.1	....	23.4	23.2	....	....
13	25.0	24.7	....	22.0	22.6	23.5	....	....	23.5	23.2	....	....
14	25.0	24.7	....	....	22.6	23.5	....	....	23.5	23.2	....	24.6
15	25.0	24.7	....	....	22.7	23.5	....	....	23.6	23.1	....	24.6
16	25.0	24.9	23.7	....	22.7	23.5	....	....	23.6	23.1	....	24.6
17	25.0	25.1	23.6	....	22.8	23.6	....	....	23.7	23.1	....	24.6
18	24.9	25.3	23.6	....	22.8	23.6	....	....	23.7	....	....	24.6
19	24.9	25.5	23.7	....	22.9	23.7	....	....	23.7	....	....	24.6
20	24.9	25.6	23.7	....	23.0	23.7	....	....	23.8	....	....	24.5
21	24.9	25.7	23.5	....	23.0	23.7	....	....	23.8	....	....	24.5
22	24.9	25.7	23.1	....	23.0	23.7	....	....	23.8	....	....	24.5
23	24.9	25.7	22.9	....	23.1	23.7	....	....	23.9	....	....	24.6
24	24.8	25.7	22.7	....	23.2	23.7	....	....	24.0	....	....	24.6
25	24.8	25.7	22.7	....	23.3	23.8	....	....	24.0	....	....	24.6
26	24.8	25.7	22.7	....	23.3	23.9	....	....	24.0	....	....	24.6
27	24.8	25.7	22.7	21.8	23.4	23.9	....	....	24.0	....	....	24.5
28	24.8	25.7	22.5	21.8	23.4	24.0	....	....	24.0	....	....	24.5
29	24.9	....	22.3	21.8	23.4	24.0	....	....	24.0	....	....	24.5
30	24.9	....	22.0	21.8	23.4	24.0	....	....	24.0	....	....	24.5
31	24.8	....	21.8	....	23.4	....	....	22.8	....	....	....	24.5

Lf-210. B. W. Spell. Irregular sec. 24, T. 10 S., R. 2 E. Records available: 1944-49. Mar. 14, 27.60; June 21, 39.89; Sept. 12, 34.31; Dec. 13, 29.34.

Lf-405. Mary's Syrup Mill. Irregular sec. 40, T. 11 S., R. 4 W. Records available: 1946-49. Mar. 14, 40.81; June 21, 39.87; Sept. 16, 39.97; Dec. 14, 40.20.

Lf-437. Southern Pacific Co. Irregular sec. 40, T. 11 S., R. 4 E. Records available: 1946-49. Mar. 14, 15.51; June 20, 16.09; Sept. 12, 16.59; Dec. 13, 17.94.

Lf-478. Charles Bradford. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 9 S., R. 3 E. Records available: 1944-49. Sept. 13, 39.64; Dec. 14, 34.26.

LaSalle Parish

La-41. Louisiana Delta Hardwood Lumber Co. NE $\frac{1}{4}$  sec. 8, T. 8 N., R. 2 E. Records available: 1939-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	28.14	May 9	27.02	Sept. 6	28.18	Nov. 4	27.36
Feb. 28	27.78	30	27.66	Oct. 3	27.90	28	27.18
Mar. 28	27.26	Aug. 1	25.71				

Livingston Parish

Li-10. McCarroll Lumber Co. In Frost, on north side of mill pond. Records available: 1940-49. Feb. 8, +1.7; May 17, +2.5; Oct. 5, +1.50.

Li-11. Sharp Civilian Conservation Camp. In Springville. Records available: 1940-49. Feb. 8, +1.7; May 17, +1.2; Oct. 5, +1.0.

Li-15. Hammond Lumber Co. Sec. 14, T. 7 S., R. 6 E., south of road at Springville fire tower. Records available: 1947-49. Feb. 8, +7.5; May 17, +7.5; Oct. 15, +7.5.

Li-16. J. F. McCarroll. In Holden, 200 feet west of residence. Records available: 1940-49. Feb. 8, +115.3; May 17, +118.0; Oct. 5, +112.9.

Li-38. J. F. McCarroll. In Holden, 100 feet east of well Li-16. Records available: 1947-49. Feb. 8, +10.6; May 17, +10.1; Oct. 5, +8.7.

Morehouse Parish

Mo-9. International Paper Co., Southern Kraft Division. Sec. 24, T. 21 N., R. 5 E. Records available: 1945-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	166.6	167.1	172.3	171.8	153.5	166.0	170.3	174.6	178.8	178.4	179.4	179.8
2	166.7	168.3	172.4	171.8	152.8	169.0	170.3	176.0	178.8	178.4	179.4	179.9
3	166.5	168.3	172.5	170.2	152.5	169.5	170.3	176.3	178.1	178.5	179.5	179.9
4	166.6	168.1	161.9	170.0	155.5	169.8	163.8	176.5	176.8	178.5	179.5	179.9
5	166.0	168.0	161.1	169.9	157.4	160.8	157.2	176.7	166.3	178.2	179.6	180.0
6	167.2	168.0	160.6	169.9	157.7	169.2	165.2	176.9	160.4	178.4	179.7	179.9
7	167.2	168.0	160.5	169.8	157.9	162.1	170.0	177.0	159.6	178.3	179.4	179.6
8	167.1	167.7	160.1	169.8	158.0	169.4	170.6	177.1	174.0	178.4	178.9	180.1
9	167.3	167.8	159.7	169.7	158.1	169.9	171.1	177.2	176.3	178.5	179.5	180.0
10	167.3	168.0	159.6	172.3	158.2	170.2	171.5	177.3	177.0	178.5	179.5	180.0
11	167.2	167.7	168.1	172.3	158.3	170.3	171.5	177.4	177.4	178.5	179.5	179.9
12	167.2	167.7	170.1	172.3	158.3	170.5	170.5	177.5	177.6	178.8	179.5	180.1
13	167.2	167.7	169.9	164.0	165.7	170.5	171.3	177.5	177.8	179.0	179.6	180.2
14	167.1	167.0	170.4	169.9	158.5	170.6	171.4	177.6	178.0	179.0	179.6	180.2
15	167.1	167.1	163.8	168.7	166.5	170.6	171.5	177.8	178.0	179.0	179.0	180.3
16	167.4	166.5	160.9	167.7	161.5	170.8	171.5	177.8	178.1	179.0	179.1	180.2
17	167.5	171.0	170.7	162.0	169.0	170.9	171.6	177.9	178.2	178.8	179.1	180.2
18	167.3	170.5	171.4	158.4	158.8	170.8	171.7	177.9	178.3	178.8	179.1	180.1
19	168.0	170.3	171.8	164.0	158.1	170.9	171.7	178.0	178.4	178.8	179.0	180.1
20	167.0	170.1	171.8	170.4	167.7	170.9	171.7	178.1	178.4	179.1	178.9	172.2
21	167.6	170.1	171.7	172.7	168.5	170.8	171.9	178.3	178.5	179.0	179.1	179.8
22	167.9	170.1	171.8	172.2	169.0	170.8	171.9	178.3	178.6	179.1	178.0	180.1
23	167.8	171.1	171.9	171.0	168.6	170.8	172.0	178.3	178.2	179.0	176.9	180.2
24	167.4	171.8	172.0	160.1	166.9	170.8	172.1	178.3	178.6	179.1	176.5	180.3
25	167.2	172.0	172.0	158.3	168.8	170.7	172.0	178.4	178.6	179.2	179.0	173.8
26	167.4	172.1	172.0	161.3	169.4	170.7	172.0	178.5	178.7	179.1	179.3	175.5
27	167.1	172.2	172.0	161.2	169.6	170.5	172.2	178.5	178.6	179.1	179.4	158.8
28	167.1	172.3	171.9	161.8	169.7	170.5	172.3	178.5	178.5	179.1	179.4	166.2
29	167.4		177.5	154.2	169.8	170.5	172.3	178.6	178.7	179.2	179.5	166.9
30	167.6		171.8	154.0	169.7	170.3	172.2	178.6	178.5	179.1	179.5	177.5
31	167.6		171.1		160.5		174.1	178.6		179.4		177.7

Mo-15. International Paper Co., Southern Kraft Division. Sec. 24, T. 21 N., R. 5 E. Records available: 1945-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	78.0	77.8	78.2	78.3	78.2	77.8	77.7	...	78.4	78.2	78.3	78.3
2	77.8	77.9	78.2	78.2	78.0	77.8	77.7	77.9	78.3	78.2	78.1	78.4
3	78.0	78.3	78.2	78.4	78.0	77.9	77.8	78.1	78.2	78.2	78.4	78.1
4	78.3	78.0	78.0	78.4	78.0	77.9	77.7	78.1	78.2	78.1	78.2	78.3
5	78.5	77.9	78.1	78.2	78.2	77.8	77.7	78.1	78.2	78.0	78.4	78.3
6	78.5	78.0	78.0	78.2	78.3	77.7	77.4	78.1	78.3	78.4	78.3	78.2
7	78.3	77.8	78.4	78.3	78.5	77.7	77.3	78.0	78.2	78.3	78.1	77.9

Mo-15--Continued.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
8	78.1	78.0	78.0	78.2	78.5	77.8	77.4	78.0	78.1	78.3	78.1	77.6
9	78.4	77.9	77.9	78.3	78.4	77.8	77.5	78.1	77.9	78.3	78.2	77.8
10	78.4	77.5	78.4	78.2	78.3	77.8	77.5	78.1	77.9	78.2	78.2	78.1
11	78.3	77.8	78.3	78.2	78.3	77.7	77.3	78.2	77.9	78.2	78.2	77.9
12	78.3	78.0	78.1	78.0	78.2	77.6	77.4	78.1	78.1	78.3	78.2	78.4
13	78.2	78.0	78.2	78.0	78.3	77.7	77.4	78.0	78.1	78.3	78.4	78.4
14	78.1	77.9	78.3	78.1	78.3	77.6	77.5	78.1	78.2	78.3	78.3	78.2
15	78.1	78.1	78.5	78.5	78.3	77.7	77.5	77.8	78.1	78.2	78.3	78.2
16	78.2	78.3	78.2	78.4	78.3	77.8	77.7	77.8	78.1	78.2	78.4	78.1
17	78.4	78.4	78.0	78.0	78.2	77.8	77.7	77.8	78.2	78.4	78.4	77.8
18	78.1	78.0	78.4	78.0	78.1	77.8	77.6	77.9	78.3	78.3	78.3	78.1
19	78.7	78.0	78.5	78.1	78.2	77.7	77.6	77.9	78.2	78.3	78.0	78.1
20	78.3	78.2	78.2	78.0	78.3	77.7	77.6	77.8	78.2	78.2	78.1	78.0
21	78.2	78.1	77.7	78.1	78.4	77.8	77.6	77.7	78.2	78.2	78.6	77.8
22	78.3	78.1	78.1	78.1	78.2	77.7	77.6	77.8	78.2	78.5	78.3	78.3
23	78.2	78.0	78.2	78.0	78.0	77.6	....	77.8	78.3	78.3	78.3	78.5
24	78.2	77.9	78.2	78.1	78.0	77.6	....	77.8	78.3	78.2	78.1	78.2
25	78.2	78.1	78.3	78.1	77.9	77.9	....	77.8	78.2	78.3	77.9	77.9
26	78.2	77.9	78.1	78.1	77.8	77.9	....	77.8	78.2	78.3	78.4	77.8
27	77.8	78.0	78.3	78.2	77.7	77.8	....	77.9	78.2	78.2	78.1	78.1
28	78.2	78.3	78.4	78.3	77.7	77.8	....	78.1	78.2	78.2	78.2	78.1
29	78.7		78.3	78.3	77.7	77.8	....	78.2	78.4	78.2	78.1	78.0
30	78.2		78.1	78.3	77.8	77.7	....	78.2	78.4	78.1	78.4	78.0
31	77.9		78.3		77.8		....	78.2		78.5		78.0

Natchitoches ParishNa-54. S. Rhodes. SW $\frac{1}{4}$  irregular sec. 105, T. 9 N., R. 7 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	+10.8	May 5	+11.0	Aug. 29	+10.9	Nov. 22	+11.3
Mar. 3	+10.5	26	+10.5	Oct. 8	+11.5	Dec. 29	+10.5
31	+11.0	Aug. 4	+9.5	27	+10.0		

Na-58. H. J. Taylor. NE $\frac{1}{4}$  sec. 10, T. 8 N., R. 7 W. Records available: 1944-49.

Mar. 31	+17.5	May 26	+19.2	Oct. 8	+18.7	Dec. 29	+17.5
May 5	+20.7	Aug. 4	+14.5	Nov. 22	+17.8		

Na-69. City of Natchitoches. NE $\frac{1}{4}$  irregular sec. 15, T. 8 N., R. 7 W. Used drilled public-supply well, diameter 12 inches, depth 255 feet. Measuring point, top of air-line hole flange, 0.53 foot above land-surface datum. Measurements resumed. Records available: 1944-46, 1949. Dec. 29, 44.7.

Orleans Parish

Or-25. Morgan Ice Co. plant No. 1, 1215 Magnolia Street, New Orleans. Records available: 1945-49.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	69.2	67.1	66.5	67.7	67.2	68.1	.....	.....	.....	83.3	.....
2	68.0	67.3	65.5	67.9	67.5	68.5	.....	.....	.....	83.3	.....
3	67.9	67.3	65.6	67.2	66.4	68.5	.....	.....	.....	83.4	.....
4	68.8	68.1	65.9	66.4	65.7	68.5	.....	.....	.....	83.4	.....
5	69.1	67.7	65.6	66.6	65.3	68.5	.....	85.50	.....	83.3	.....
6	68.9	66.9	65.3	67.1	63.0	68.2	.....	.....	.....	.....	.....
7	68.7	66.3	65.1	67.4	63.2	69.1	.....	.....	.....	.....	.....
8	68.2	.....	65.1	68.1	62.7	69.7	.....	.....	.....	.....	.....

a Tape measurement at odd hour.



Or-25--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
9	67.5	....	....	68.7	62.3	....	....	....	....	....	....
10	67.5	....	....	68.9	63.4	....	....	....	....	....	....
11	68.4	....	....	68.1	64.4	....	....	....	....	....	77.46
12	69.4	....	....	68.6	....	....	....	....	....	84.15	....
13	69.9	....	....	68.4	....	....	....	....	....	83.0	....
14	69.4	....	65.3	68.6	....	....	85.72	....	....	82.0	....
15	69.6	....	65.6	69.4	64.1	....	....	....	....	81.5	....
16	69.2	....	65.8	69.5	63.3	....	....	....	....	....	....
17	68.7	....	66.0	68.4	64.4	....	....	....	....	....	....
18	69.1	....	66.5	67.7	65.0	....	....	....	....	....	....
19	69.2	67.93	65.7	68.4	65.5	....	....	....	....	....	....
20	68.9	67.5	66.1	68.5	65.8	....	....	....	....	....	....
21	69.1	67.0	65.2	68.8	65.9	....	....	....	....	....	....
22	69.6	....	66.2	68.7	65.0	....	....	....	....	....	....
23	69.2	....	66.6	68.3	64.7	....	....	....	....	....	....
24	68.8	....	66.5	68.0	65.1	....	....	....	....	....	....
25	69.6	....	67.1	68.6	65.7	....	....	....	....	....	....
26	70.3	....	67.6	67.7	66.1	....	....	....	....	....	73.78
27	70.1	....	67.5	67.6	66.3	....	....	....	....	....	....
28	70.1	....	66.7	67.8	66.5	....	....	....	....	....	....
29	69.1	....	66.8	67.2	66.4	....	....	....	....	....	....
30	67.9	....	67.1	66.8	66.2	....	....	....	83.91	....	....
31	66.9	....	67.4	67.2	....	....	....	....	83.4	....	....

a Tape measurement at odd hour.

Or-42. Department of Navy. At power house, Algiers repair base. Unused drilled industrial well, diameter 8 inches, depth 800 feet. Measuring point, top outside edge of 3/4-inch hole in side of pump base, 1.5 feet above land-surface datum. Records available: 1949. Oct. 31, 79.97; Dec. 11, 75.06.

Ouachita Parish

Ou-23. Southern Carbon Co. Sec. 37, T. 19 N., R. 4 E. Records available: 1946, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1	82.43	May 24	82.75	Sept. 7	84.29	Nov. 1	84.32
29	82.10	Aug. 2	83.81	Oct. 4	83.83	29	84.75
May 3	82.19						

Ou-26. Fred Fudickar. S $\frac{1}{2}$  sec. 81, T. 18 N., R. 4 E. Records available: 1947-49.

Jan. 25	76.10	May 4	76.90	Aug. 1	77.86	Nov. 1	79.09
Mar. 1	76.74	24	77.11	Sept. 6	78.60	28	79.29
30	76.56	June 29	80.68	Oct. 4	78.79		

Ou-73. Tennessee Gas & Transmission Co. well 1. Off old Arkansas road. Records available: 1947-49.

Mar. 1	176.69	May 29	175.27	Sept. 7	182.93	Nov. 1	178.04
May 3	175.92	Aug. 2	178.76	Oct. 4	182.56	29	180.38
24	176.05						

Ou-77. Brown Paper Co. In back of spray pond. Records available: 1946-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	213.6	214.3	210.2	193.9	184.5	205.6	218.2	222.9	....	220.4	218.0
2	....	213.8	215.1	210.4	192.9	184.5	....	....	223.1	....	218.0	217.4
3	....	213.7	214.4	210.4	....	....	....	217.3	223.2	....	218.2	216.4
4	....	213.8	214.4	210.8	187.6	....	....	218.5	223.2	218.4	217.8	216.7

## Ou-77--Continued.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	214.0	214.4	211.4	185.6	.....	.....	219.3	190.4	218.1	218.2	214.0
6	.....	213.9	214.6	206.0	188.8	.....	.....	219.8	207.1	216.0	218.2	210.5
7	.....	213.9	214.6	196.1	192.0	.....	.....	219.9	214.0	219.5	218.6	210.1
8	.....	214.0	217.0	212.4	192.5	.....	.....	220.3	217.1	220.5	219.1	.....
9	.....	213.8	217.3	196.5	210.5	.....	.....	222.2	218.9	219.5	218.2	.....
10	.....	214.0	216.3	192.8	194.0	.....	.....	221.0	220.0	219.5	220.7	.....
11	.....	213.8	215.9	193.1	194.2	.....	.....	220.2	219.8	220.7	.....	.....
12	.....	213.8	215.0	193.3	189.2	.....	.....	219.0	220.0	220.4	.....	.....
13	.....	213.6	215.0	193.4	186.1	.....	.....	220.1	218.7	220.4	.....	.....
14	.....	213.5	215.0	193.6	185.3	.....	211.0	220.6	218.6	220.4	.....	.....
15	.....	213.6	215.2	193.4	184.8	.....	212.2	220.9	219.3	220.4	.....	.....
16	.....	213.8	215.2	193.4	184.5	.....	213.1	220.3	218.7	220.4	.....	.....
17	.....	213.8	215.2	193.6	189.2	.....	213.4	220.7	.....	220.4	.....	.....
18	.....	213.9	215.0	193.6	191.8	.....	213.6	.....	221.1	220.4	.....	.....
19	.....	213.9	214.0	193.6	192.3	.....	213.8	.....	221.4	220.7	.....	.....
20	.....	214.0	213.4	193.6	192.7	.....	214.0	220.8	221.5	221.0	.....	.....
21	.....	214.0	212.8	193.7	180.9	.....	214.2	221.4	221.6	221.1	.....	.....
22	.....	214.0	212.7	194.6	193.4	.....	214.5	221.7	220.5	220.4	.....	.....
23	.....	214.5	212.4	194.2	193.9	.....	216.8	222.0	220.4	221.0	.....	.....
24	.....	213.9	212.7	194.2	194.0	.....	215.7	222.1	221.1	220.4	.....	.....
25	213.0	.....	212.9	194.2	194.1	.....	215.2	222.2	.....	220.8	.....	.....
26	213.2	214.0	212.7	194.2	194.1	.....	215.3	222.3	223.2	220.4	.....	.....
27	213.5	214.3	213.7	194.2	184.7	.....	215.3	222.4	222.4	220.4	.....	.....
28	212.8	214.3	213.2	193.8	184.5	.....	215.3	222.5	222.2	220.4	.....	205.1
29	212.8	.....	210.3	193.7	184.5	.....	215.4	222.7	222.0	220.4	.....	208.5
30	213.0	.....	209.7	193.8	184.5	211.5	215.4	222.8	220.5	220.4	216.7	210.2
31	213.2	.....	.....	.....	184.5	.....	217.3	222.8	.....	220.4	.....	211.0

Ou-87. Louisville Cooperaage. In Monroe, on Jackson Street. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	126.44	May 4	125.95	Sept. 6	131.46	Nov. 1	131.35
Mar. 1	127.27	25	125.71	Oct. 5	129.98	28	131.21
28	128.23	Aug. 1	128.67				

Ou-88. Fred Peters. Irregular sec. 52, T. 17 N., R. 3 E., 0.25 mile west of U. S. Highway 165. Records available: 1947-49.

Jan. 26	51.57	May 3	51.06	Aug. 1	53.54	Nov. 1	53.20
Mar. 1	49.44	25	52.09	Sept. 6	54.11	28	54.59
28	50.05	June 29	53.00	Oct. 5	53.77		

Ou-94. Angels Tourist Court. S $\frac{1}{2}$  irregular sec. 38, T. 18 N., R. 4 E., near Highway 80, east of Monroe. Records available: 1946-49.

Jan. 24	85.54	May 4	85.02	Aug. 1	86.21	Nov. 1	87.86
Feb. 28	85.14	25	85.31	Sept. 6	87.29	28	87.99
Mar. 29	85.18	June 29	91.78	Oct. 5	87.36		

Ou-96. Department of the Air Force. Selman Field No. 2, Monroe. Records available: 1946-49.

Feb. 28	84.28	June 29	86.10	Sept. 6	84.72	Nov. 1	87.46
Mar. 29	83.92	Aug. 1	87.86	Oct. 4	89.66	28	91.09
May 25	81.80						

Ou-100. City of Monroe. NE $\frac{1}{4}$  sec. 67, T. 18 N., R. 4 E., east end of Howard Street. Records available: 1946-49.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	102.0	101.2	.....	100.6	100.7	101.2	102.4	102.5	103.9	104.1	104.0	104.6
2	101.6	101.2	100.6	100.5	100.8	101.2	102.5	102.6	103.9	104.0	104.0	104.6
3	101.5	101.0	100.6	100.5	100.8	101.3	102.5	102.7	103.9	104.0	104.1	104.6

## Ou-100--Continued.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	101.5	100.9	100.6	100.5	100.8	101.4	102.5	102.8	103.9	103.9	104.0	104.6
5	101.6	100.8	100.6	100.4	100.8	101.4	102.5	102.8	104.0	103.6	104.1	104.6
6	101.6	100.7	100.6	100.4	100.8	101.4	102.5	102.9	104.1	103.7	104.1	104.5
7	101.6	100.6	100.8	100.4	100.8	101.5	102.5	102.9	104.0	.....	104.1	104.5
8	101.5	100.4	100.8	100.3	100.7	101.5	102.5	102.9	104.0	.....	104.0	104.5
9	101.6	100.3	100.7	100.3	100.7	101.5	102.5	102.9	104.0	.....	104.0	104.5
10	101.6	100.3	100.9	100.3	100.7	101.6	102.5	103.0	104.0	.....	104.0	104.4
11	101.6	100.2	101.0	100.3	100.8	101.7	102.5	103.0	104.0	.....	104.0	104.3
12	101.6	100.1	101.0	100.3	100.8	101.7	102.5	103.0	104.0	.....	104.0	104.4
13	101.6	100.1	101.0	100.3	100.8	101.7	102.4	103.0	103.9	.....	104.1	104.4
14	101.6	100.0	101.0	100.3	100.8	101.8	102.3	103.1	103.9	.....	104.2	104.3
15	101.6	100.0	101.2	100.4	100.8	101.8	102.2	103.1	103.9	.....	104.2	104.3
16	101.6	100.0	101.2	100.4	100.8	101.8	102.2	103.2	103.9	.....	104.3	104.3
17	101.6	100.1	101.1	100.4	100.8	101.9	102.2	103.2	103.9	103.9	104.4	104.2
18	101.5	100.1	101.2	100.4	100.8	102.0	102.3	103.2	104.0	104.0	104.4	104.1
19	101.7	100.1	101.3	100.5	100.8	102.0	102.3	103.2	104.0	104.0	104.4	104.1
20	101.7	100.2	101.3	100.5	100.8	102.0	102.3	103.3	104.0	104.0	104.3	104.1
21	101.5	100.2	101.0	100.5	100.8	102.0	102.4	103.4	104.0	104.0	104.5	104.0
22	101.5	100.3	101.1	100.5	100.8	102.1	102.4	103.5	104.0	104.1	104.6	104.1
23	101.4	100.3	101.2	100.6	100.9	102.1	102.4	103.5	104.0	104.1	104.5	104.2
24	101.4	100.2	101.1	100.6	100.9	102.1	102.5	103.5	104.0	104.1	104.4	104.2
25	101.4	100.4	101.1	100.7	101.0	102.1	102.4	103.6	104.0	104.1	104.5	104.1
26	101.4	100.3	101.0	100.7	101.0	102.2	102.4	103.6	104.0	104.1	104.4	104.1
27	101.2	100.3	100.9	100.7	101.1	102.2	102.5	103.6	104.0	104.1	104.5	104.0
28	101.2	100.5	100.9	100.7	101.1	102.3	102.5	103.6	104.0	104.1	104.4	103.9
29	101.4		100.8	100.7	101.0	102.3	102.5	103.7	104.0	104.1	104.5	103.8
30	101.3		100.7	100.7	101.1	102.3	102.5	103.7	104.1	104.0	104.6	103.7
31	101.2		100.6		101.1		102.5	103.8		104.1		103.5

• Ou-102. City of Monroe. NW. corner sec. 6, T. 18 N., R. 4 E. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29	86.83	June 29	88.67	Sept. 6	89.56	Nov. 28	90.14
May 25	87.63	Aug. 2	88.74	Nov. 1	89.46		

Ou-103. City of Monroe. NE. corner sec. 49, T. 18 N., R. 4 E. Records available: 1946-49. Jan. 24, 84.07; Mar. 1, 82.84; Mar. 29, 83.19.

Ou-120. S. H. Thatcher. SE. corner sec. 39, T. 19 N., R. 3 E., 501 Speed Drive, Monroe. Records available: 1946-49.

Jan. 24	83.78	May 3	82.77	Aug. 2	84.06	Nov. 1	84.65
Mar. 1	82.94	25	83.21	Sept. 7	84.48	28	85.43
29	82.64	June 29	72.29	Oct. 4	84.19		

Ou-133. Southern Carbon Co. Sec. 37, T. 19 N., R. 4 E. Records available: 1947-49.

Jan. 25	12.30	May 3	10.26	Sept. 7	11.58	Nov. 1	11.56
Mar. 1	11.38	25	10.24	Oct. 4	11.66	28	11.67
29	10.86	Aug. 2	10.95				

Ou-141. Southern Carbon Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 19 N., R. 4 E. Abandoned drilled industrial well, diameter 6 inches, depth 600 feet. Measuring point, top of 6-inch casing, 2.3 feet above land-surface datum. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level
June 2, 1948	51.40	Mar. 1, 1949	50.04	Sept. 7, 1949	47.09
29	52.38	29	49.38	Oct. 4	46.10
Aug. 3	53.37	May 3	47.52	Nov. 1	46.57
Sept. 27	52.58	25	48.26	29	46.52
Oct. 26	53.18	Aug. 2	49.93		

Rapides Parish

R-15. City of Alexandria. West of pump station, in City Park. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	112.79	May 9	110.34	May 30	112.23	June 13	113.46
Apr. 5	111.63	16	111.05	June 6	113.05	20	111.83

R-21. City of Alexandria. In Alexandria, at Fourth and St. James Streets. Records available: 1938-49.

Feb. 2	105.89	May 9	92.75	Sept. 16	133.29	Nov. 18	97.06
Apr. 5	94.48	Aug. 5	129.71	Oct. 24	104.64		

R-26. Missouri Pacific Railroad. In Alexandria, at abandoned roadhouse on North 13th Street. Records available: 1938-49.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	118.6	116.6	115.9	114.8	113.5	114.4	116.5	119.2	.....	.....	115.9	112.5
2	118.5	116.8	115.9	114.8	.....	114.5	116.6	119.3	122.1	121.1	115.7	112.5
3	118.3	116.8	115.9	114.8	113.4	114.6	116.7	119.4	122.1	120.9	115.7	112.6
4	118.2	116.9	115.9	114.8	113.5	114.7	116.8	119.5	122.2	120.5	115.6	112.5
5	118.2	116.8	115.9	114.7	113.5	114.9	.....	.....	122.2	120.2	115.6	112.4
6	118.2	116.7	115.9	114.7	113.6	115.0	.....	.....	122.1	120.1	115.3	112.2
7	118.1	116.7	115.8	114.8	113.6	115.0	.....	.....	122.1	120.0	115.1	112.0
8	118.0	116.6	115.7	114.8	113.6	115.2	.....	.....	122.1	119.9	114.9	112.0
9	117.9	116.5	115.7	114.8	113.7	115.4	.....	.....	122.2	119.7	114.9	111.9
10	117.8	116.4	115.9	114.9	113.7	115.5	.....	.....	122.3	119.4	114.8	111.7
11	117.8	116.3	115.9	114.8	113.8	115.6	117.6	.....	122.2	119.3	114.8	111.6
12	117.7	116.2	116.0	114.7	113.9	115.6	117.7	120.0	122.1	119.1	114.7	111.5
13	117.6	116.2	115.9	114.1	113.9	115.5	117.7	120.2	121.9	119.1	114.6	111.3
14	117.6	116.1	115.9	.....	113.9	115.4	117.8	120.3	121.9	119.0	114.4	111.2
15	117.5	116.0	115.8	.....	114.0	115.4	117.8	120.3	121.8	118.8	114.2	111.1
16	117.4	116.0	115.7	.....	113.9	115.5	117.8	120.5	121.8	118.5	114.1	111.0
17	117.3	116.1	115.7	.....	114.0	115.5	118.0	120.5	121.9	118.3	114.1	110.9
18	117.1	116.1	115.8	.....	114.0	115.5	118.0	120.7	121.9	118.0	114.0	110.7
19	117.1	116.1	115.9	.....	114.0	115.6	118.0	120.9	121.9	117.9	113.9	110.6
20	117.1	116.1	115.8	.....	114.1	115.5	118.0	121.1	121.8	117.8	113.9	110.4
21	117.1	116.1	115.6	114.1	114.1	115.5	118.1	121.3	121.8	117.7	113.6	110.4
22	117.1	116.0	115.6	113.9	114.2	115.5	118.2	121.4	121.7	117.5	.....	110.4
23	117.0	115.9	115.6	113.8	114.3	115.6	118.3	121.5	121.7	117.4	.....	110.4
24	116.9	115.9	115.6	113.7	114.1	115.7	118.3	121.6	121.7	117.2	.....	110.4
25	116.5	115.9	115.6	113.6	114.2	115.9	118.3	121.7	121.6	117.0	113.2	110.3
26	116.5	116.2	115.6	113.5	114.3	116.0	118.3	.....	121.5	116.8	113.1	110.1
27	116.5	116.1	115.3	113.5	114.4	116.0	118.4	.....	121.4	116.7	112.9	109.7
28	116.5	116.0	115.3	113.5	114.5	116.1	118.5	.....	121.3	116.6	112.7	109.7
29	116.6		115.1	113.5	114.5	116.2	118.7	.....	121.3	116.4	112.6	109.6
30	116.6		115.0	113.5	114.5	116.3	118.9	.....	121.3	116.2	112.6	109.6
31	116.6		114.9		114.4		119.1	.....		116.1		109.6

R-35. Pine Products Co. In Alexandria. Records available: 1938-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	122.17	May 9	122.46	Sept. 16	134.17	Nov. 18	123.77
Apr. 5	125.71	Aug. 5	129.65	Oct. 24	125.70		

R-43A. L. D. Kellogg. Formerly owned by Missouri Pacific Railroad. Kellogg Lumber Co., Ransville. Records available: 1946-49. Feb. 2, 52.88.

R-135. Arbuthnot sawmill. In Zimmerman, adjacent to State Highway 20. Records available: 1947-49.

Feb. 1	6.15	May 5	6.61	Oct. 24	31.21	Dec. 29	32.66
Apr. 5	6.87	26	7.37	Nov. 22	33.03		

R-344. Camp Livingston. NW. corner sec. 3, T. 5 N., R. 1 E. Measurements resumed. Records available: 1941-47, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12	158.88	Oct. 14	159.85	Nov. 11	159.93	Dec. 9	159.95
Sept. 2	159.35	21	159.94	18	160.01	16	159.84
23	159.77	27	159.94	25	159.99	23	159.64
Oct. 1	159.97	Nov. 4	159.96	Dec. 2	160.05	29	159.56
7	159.83						

R-347. Camp Claiborne. About 200 feet north of South Street and 75 feet west of I Street. Records available: 1941-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	64.33	Aug. 12	61.91	Oct. 1	62.40	Nov. 18	62.72
Feb. 28	63.97	19	61.92	7	62.24	25	62.75
Mar. 28	63.61	26	62.06	14	62.35	Dec. 2	62.87
May 2	62.03	Sept. 2	62.16	21	62.43	9	62.88
24	62.44	9	62.18	27	62.48	16	62.90
June 29	54.54	16	62.26	Nov. 1	62.56	23	62.91
July 29	61.86	22	62.27	11	62.58	29	62.91
Aug. 5	61.91						

R-366. Camp Claiborne observation well 11a. At Camp Claiborne. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	57.43	Aug. 5	55.89	Oct. 1	55.44	Nov. 18	55.53
Feb. 28	57.40	12	55.80	7	55.53	25	55.53
Mar. 28	57.07	19	55.69	14	55.50	Dec. 2	55.55
May 2	56.83	26	55.71	21	55.47	9	55.45
24	56.43	Sept. 2	55.68	27	55.39	16	55.51
June 29	65.73	9	55.63	Nov. 4	55.46	23	55.68
July 21	55.97	16	55.57	11	55.33	29	55.52
- 29	55.91	22	55.48				

R-381. Camp Livingston. About 100 feet west and 60 feet north of well 3NW (U. S. Geological Survey well 355). Records available: 1942-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	68.04	Aug. 5	66.24	Oct. 1	66.41	Nov. 18	66.78
Feb. 28	68.00	12	66.16	7	66.48	25	66.74
Mar. 28	67.59	19	66.10	14	66.52	Dec. 2	66.91
May 2	67.04	26	66.22	21	66.51	9	66.89
23	66.62	Sept. 2	66.28	27	66.60	16	66.91
June 29	68.69	16	66.28	Nov. 4	66.66	21	67.15
July 21	66.22	23	66.34	11	66.61	29	66.97
29	66.16						

R-429. Department of the Air Force. At Alexandria Air Base, northeast of water tower. Abandoned drilled public-supply well, diameter 8 inches, depth 1,020 feet. Measuring point, top edge of  $\frac{1}{2}$ -inch opening in pump base, 1.90 feet above land-surface datum. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level
Feb. 2	91.78	May 16	91.06	Oct. 24	99.07
Apr. 5	92.56	Sept. 23	97.00	Nov. 22	100.42

R-453. City of Alexandria. Corner of Turegaeno and Overton Streets. Unused drilled public-supply well, diameter 4 inches, depth about 114 feet. Measuring point, top inside edge of  $1\frac{1}{2}$  inch hole in top of cover on casing, 1.85 feet above land-surface datum. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 9	2.70	July 22	8.19	Sept. 16	10.35	Nov. 11	8.28
16	4.29	29	7.99	23	10.43	18	8.82
30	6.07	Aug. 5	7.58	Oct. 1	11.25	25	9.47
June 6	6.49	12	8.62	7	9.99	Dec. 2	10.10
13	6.54	19	9.46	14	9.18	9	9.94
20	5.75	26	10.29	21	9.01	16	9.32
29	6.49	Sept. 2	10.56	28	8.96	23	6.95
July 11	8.51	9	10.20	Nov. 4	7.83	29	6.52
18	7.79						

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. Records available: 1941-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.4	....	70.9	70.7	67.7	71.8	74.4	75.5	74.3	73.7	68.9	68.9
2	70.8	68.6	71.0	72.2	67.2	70.5	74.1	....	74.2	74.8	69.3	67.7
5	59.5	66.7	71.2	72.5	67.1	72.4	74.2	....	72.5	74.3	69.0	67.8
4	68.7	68.7	71.6	72.2	65.9	72.7	74.0	75.3	72.4	73.2	69.2	67.3
5	69.4	70.1	70.3	72.3	69.1	73.0	73.9	75.8	72.1	73.1	69.6	67.5
6	....	70.4	69.4	72.5	69.7	73.0	73.4	75.7	72.5	72.9	69.5	68.9
7	71.7	69.8	69.1	72.5	69.7	73.1	74.3	75.7	71.9	73.2	69.5	71.5
8	72.3	69.2	68.9	72.6	....	69.9	73.7	76.1	72.0	73.2	69.1	68.1
9	72.6	....	68.5	72.8	....	69.0	74.3	76.1	71.7	74.2	69.3	69.0
10	72.5	68.5	68.7	72.9	....	73.1	74.3	74.6	72.4	73.3	69.4	71.5
11	72.7	68.0	71.3	72.4	....	73.8	74.7	75.3	71.7	....	68.9	71.7
12	72.7	68.7	71.8	72.5	71.8	73.8	74.1	75.9	71.7	....	69.1	72.1
13	73.3	68.5	71.8	70.1	71.2	74.1	72.8	76.1	67.1	70.4	68.9	72.2
14	71.9	68.3	69.8	68.9	71.1	74.1	....	76.0	69.1	70.1	68.9	72.2
15	71.7	68.2	67.4	71.3	72.5	74.2	....	75.4	67.9	69.9	68.8	72.5
16	71.3	67.5	71.6	72.1	72.4	74.4	72.3	75.3	70.9	69.7	68.9	73.1
17	68.7	....	71.0	70.3	71.2	73.4	72.1	75.8	71.5	69.7	69.2	....
18	68.0	....	70.7	68.1	71.3	74.1	72.1	76.0	71.2	69.6	69.1	....
19	68.0	....	72.0	67.7	72.5	74.4	72.1	75.9	71.1	69.4	69.5	....
20	67.3	....	71.9	66.9	71.9	73.9	71.7	76.1	71.1	69.4	69.5	....
21	67.3	....	72.0	68.0	72.5	74.4	71.7	75.9	71.1	69.5	69.3	....
22	67.7	....	71.1	68.3	72.7	74.4	73.0	75.8	71.3	69.5	69.2	72.5
23	67.5	....	71.5	68.6	71.6	74.3	73.8	75.4	71.8	72.0	....	72.8
24	68.5	69.0	70.7	69.8	71.2	74.5	74.3	75.8	72.3	71.9	67.3	73.0
25	68.7	70.5	71.3	70.2	71.4	74.7	74.6	75.8	72.5	72.2	67.4	72.3
26	68.7	68.6	71.4	68.5	71.4	74.6	74.1	75.3	72.5	72.2	67.4	72.5
27	67.4	68.7	72.1	68.1	71.5	74.8	74.5	74.4	72.7	69.5	67.5	72.7
28	....	69.5	71.9	67.8	71.5	74.6	74.5	74.7	74.3	75.4	67.5	....
29	....	....	72.1	68.8	71.4	74.6	75.2	74.3	74.3	69.9	67.9	72.1
30	....	....	72.2	69.1	71.5	74.6	75.3	72.8	74.9	69.0	68.2	72.4
31	....	....	70.2	....	71.3	....	75.3	74.5	....	69.0	....	72.8

St. Landry Parish

SL-10. Cankton Gin Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 8 S., R. 3 E. Records available: 1944-49. Mar. 14, 43.23; June 21, 42.54; Sept. 13, 42.24; Dec. 20, 42.90.

SL-26. George Parker. Irregular sec. 71, T. 4 S., R. 5 E. Records available: 1944-49. Mar. 17, 42.14; Sept. 12, 42.73; Dec. 12, 43.05.

SL-40. Dalfrey Bros. cotton gin. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 53, T. 7 S., R. 5 E. Records available: 1944, 1946-49. Mar. 14, 15.20; June 22, 15.79; Sept. 12, 19.80; Dec. 20, 17.02.

SL-43. E. C. Simmons. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 6 S., R. 2 E. Records available: 1944-49. Mar. 15, 65.31; June 23, 71.53; Sept. 14, 71.60; Dec. 12, 67.33.

SL-48. L. P. Erickson. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, T. 8 S., R. 1 W. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 14	60.45	June 24	96.04	Dec. 12	65.34
June 10	84.76	Sept. 14	81.21		

SL-50. J. Morrison. SW $\frac{1}{4}$  sec. 49, T. 6 S., R. 1 E. Records available: 1947-49.

## SL-50--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15	64.58	May 20	69.20	June 24	78.53	Sept. 14	80.20
May 6	62.69	27	75.25	July 1	80.98	Dec. 12	68.93
13	63.73						

SL-57. Sun Oil Co. Irregular sec. 37, T. 7 S., R. 4 E., 2.0 miles west-northwest of Sunset, on State Highway 5. Records available: 1944, 1947-49. Mar. 14, 44.75; June 23, 45.15; Sept. 13, 45.49; Dec. 20, 45.93.

SL-74. Albert Huckaby. In irregular sec. 84, T. 6 S., R. 4 E. Used domestic well, diameter 4 inches, depth 180 feet. Measuring point, top edge of 4-inch casing, 1.1 feet above land-surface datum. Records available: 1949.

Mar. 14	34.65	May 13	33.92	June 10	34.61	July 8	34.98
Apr. 15	34.03	20	34.05	17	34.76	15	34.87
23	33.95	27	34.21	24	34.88	Sept. 12	35.25
29	33.74	June 3	34.33	July 1	35.11	Dec. 20	35.62
May 6	33.33						

SL-78. H. E. Lowrey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 2 S., R. 4 E. Records available: 1946-49. Mar. 16, 7.72; June 22, 11.58; Sept. 12, 12.61; Dec. 12, 12.52.

SL-82. Jimmy M. Miller. Irregular sec. 58, T. 5 S., R. 4 E. Used drilled irrigation well, diameter 24 inches, depth 280 feet. Measuring point, bottom edge of discharge pipe, 1.70 feet above land-surface datum. Records available: 1949.

Jan. 7	65.71	Apr. 1	65.18	Apr. 23	65.27	May 6	65.18
Mar. 14	65.43	8	65.28	29	65.04	13	65.13
22	65.21						

SL-86. Immaculate Conception School. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 4 S., R. 5 E. Records available: 1948-49. Mar. 17, 13.43; June 22, 14.26; Sept. 12, 15.75; Dec. 12, 16.54.

SL-92. St. Landry Parish School Board. At public school in Arnaudville. Abandoned drilled public-supply well, diameter 4 inches, depth 180 feet. Measuring point, top of  $\frac{3}{4}$ -inch opening in reducer, 0.88 foot above land-surface datum. Records available: 1949. Mar. 14, 12.24; June 22, 12.42; Sept. 12, 14.52; Dec. 20, 16.12.

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, 50 feet east of water-tank tower. Records available: 1944-49. Mar. 16, 20.93; June 21, 22.30; Sept. 12, 21.83; Dec. 14, 25.00.

SMn-51. People's Cotton Oil Co. Irregular sec. 71, T. 9 S., R. 5 E., 1.2 miles northeast of Champagne. Records available: 1944-49. Mar. 14, 3.05; June 22, 4.87; Dec. 20, 8.06.

SMn-62. Ernest Fuselier. T. 8 S., R. 6 E., 2.4 miles southeast of Arnaudville on State Highway 401. Records available: 1944-49. Mar. 14, 12.78; June 22, 13.53; Sept. 12, 15.20; Dec. 20, 15.84.

SMn-63. L. Charles Willis. Irregular sec. 47, T. 8 S., R. 6 E., 3.5 miles east of Arnaudville. Records available: 1944-49. Mar. 14, 1.87; June 22, 4.00; Sept. 12, 7.07; Dec. 20, 6.79.

SMn-68. A. R. Fuselier. Irregular sec. 7, T. 11 S., R. 7 E., 3.0 miles southeast of St. Martinville. Records available: 1944-49. Mar. 16, 4.57; June 21, 4.89; Sept. 12, 5.59; Dec. 14, 6.72.

SMn-86. Continental Oil Co. Irregular sec. 82, T. 10 S., R. 6 E. Records available: 1947-49. Mar. 16, 2.25; June 21, 3.02; Sept. 12, 3.32; Dec. 14, 4.41.

SMn-88. Hunter Oil Co. Irregular sec. 72, T. 9 S., R. 5 E. Unused drilled oil-field supply well, diameter 4 inches, depth about 200 feet. Measuring point, top of 1-inch opening in airline, 5.03 feet above land-surface datum, and 22.78 feet above mean sea level. Records available: 1949. June 22, 8.42; Sept. 12, 8.90; Dec. 20, 6.27.

#### St. Tammany Parish

St-2. Mayer Israel. At Covington, in NE $\frac{1}{4}$  sec. 7, T. 6 S., R. 11 E. Records available: 1939-49. Feb. 9, +83.0; Oct. 6, +78.6.

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 State Highway 114. Records available: 1939-49. Feb. 9, +3.1; Oct. 6, +1.7.

St-10. State Fish Hatchery. At Lacombe, in sec. 38, T. 8 S., R. 12 E., south well. Records available: 1939-49. Feb. 9, +30.7; Oct. 6, +31.0.

St-12. Techefunte State Park. In park, sec. 43, T. 8 S., R. 12 E., on abandoned golf course. Records available: 1939-49. Feb. 9, +48.1; Oct. 6, +48.1.

St-16. Great Southern Lumber Co. In sec. 20, T. 8 S., R. 13 E., 0.5 mile south and 1.5 miles west of Bush. Records available: 1939-49. Feb. 9, +28.6; Oct. 6, +28.7.

St-38. Jesse Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 22, T. 7 S., R. 13 E. Records available: 1946-49. Feb. 9, +6.2.

St-95. McLane City Club. Sec. 44, T. 9 S., R. 14 E. Records available: 1947-49. Feb. 9, +6.5; Oct. 6, +4.9.

St-117. Owner unknown. SE $\frac{1}{4}$  sec. 37, T. 8 S., R. 14 E. Records available: 1947-49. Feb. 9, +22.3; Oct. 6, +22.5.

St-1020. H. D. Howser Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, T. 7 S., R. 14 E., half a mile east of State Highway 58. Records available: 1942-49. Feb. 9, +16.5; Oct. 6, +14.5.

St-1150. H. Maitrejean. Sec. 37, T. 8 S., R. 13 E. Records available: 1947-49. Feb. 9, +2.1; Oct. 6, +1.2.

#### Tangipahoa Parish

Ta-7. Town of Ponchatoula. In Ponchatoula, about 50 feet west of pumping station. Records available: 1939-49. Feb. 8, +9.3; May 17, +8.0; Oct. 5, +7.4.

Ta-8. Louisiana Cypress Lumber Co. In Ponchatoula, about 200 yards west of State Highway 122, at railroad spur on road to lumber mill. Records available: 1939-49. Feb. 8, +8.5; May 17, +4.8; Oct. 5, +6.2.

Ta-17. Carl Blumquist. Center of NE $\frac{1}{4}$  sec. 6, T. 6 S., R. 8 E., in corner of field. Records available: 1939-49. Feb. 8, +3.6; May 17, +1.9; Oct. 15, +3.0.

Ta-19. V. Stevens. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 7 S., R. 8 E., in field. Records available: 1939-49. Feb. 8, +19.1; May 17, +15.1; Oct. 5, +19.1.

Ta-21. Burns Davis. N $\frac{1}{4}$  irregular sec. 54, T. 7 S., R. 7 E. Records available: 1939-49. Feb. 8, +8.5; May 17, +6.1; Oct. 9, +8.5.

Ta-23. Otto Bignor. South sec. 50, T. 7 S., R. 7 E. Records available: 1939-49. Feb. 8, +3.6; May 17, +3.1.



Ta-24. Clyde Starkey. Center of sec. 53, T. 7 S., R. 7 E., in field. Records available: 1939-49. Feb. 8, +5.1; May 17, +4.0; Oct. 5, +5.0.

Ta-242. Byron Stevens. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, T. 7 S., R. 8 E. Records available: 1945-49. Feb. 8, +13.9; May 17, +9.1; Oct. 5, +13.8.

Ta-246. Town of Roseland. In town of Roseland, on east side of State Highway 51, 10 feet west of reservoir. Measuring point, top of 6-inch pipe in rear of valve, 2.7 feet above land-surface datum. Records available: 1949. Feb. 10, +50.0; Oct. 5, +48.7.

#### Vermilion Parish

Ve-22. Maurice Ginning Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 11 S., R. 3 E., in Maurice. Records available: 1944-49. Mar. 14, 20.25; June 20, 20.94; Sept. 12, 21.75; Dec. 13, 20.69.

Ve-28. Corps of Engineers, U. S. Army, New Orleans District. At Vermilion Locks on Intracoastal Canal. Records available: 1944-49. Mar. 16, 3.99; June 20, 4.55; Sept. 12, 4.82; Dec. 13, 4.83.

Ve-30. S. Hebert. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 14 S., R. 3 E. Records available: 1946-49. Mar. 16, 2.73; June 20, 3.46; Sept. 12, 4.04; Dec. 13, 3.88.

Ve-41. C. Foreman. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, T. 11 S., R. 2 E. Records available: 1944-49. Mar. 14, 27.33; June 20, 33.27; Sept. 12, 31.94; Dec. 13, 28.84.

Ve-57. Onezie Vincent. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T. 11 S., R. 3 E. Records available: 1947-49. Mar. 16, 20.96; Sept. 12, 22.99; Dec. 13, 19.09.

Ve-78. J. F. Noel. Irregular sec. 14, T. 13 S., R. 3 E., 1.5 miles south of Perry. Records available: 1944-49. Mar. 16, 8.24; June 20, 9.17; Sept. 12, 9.71; Dec. 13, 9.45.

Ve-106. H. Dubois. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T. 12 S., R. 2 E. Records available: 1944-49. Mar. 16, 12.48; June 20, 14.38; Sept. 12, 14.59; Dec. 13, 14.13.

Ve-118. Henry High School. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 13 S., R. 4 E., in Henry. Records available: 1944-48. Measurements discontinued.

Ve-120. Erath Sugar Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, T. 12 S., R. 4 E., in Erath. Records available: 1944-49.

#### Daily noon water level, from recorder charts

Day	Jan.	Mar.	May	June	July	Sept.	Oct.	Dec.
1	9.7	...	...	10.0	10.0	9.9	9.5	...
2	9.6	...	...	10.0	10.1	9.9	9.5	...
3	9.5	...	...	10.0	10.2	9.9	9.6	...
4	9.4	...	7.9	10.1	10.1	9.7	9.7	...
5	9.4	...	7.9	10.1	10.1	9.7	10.0	...
6	9.4	...	7.9	10.2	10.0	9.7	9.6	...
7	9.2	...	8.0	10.3	10.0	9.6	10.0	...
8	9.1	...	8.1	10.4	10.0	9.6	9.9	...
9	9.2	...	8.1	10.5	10.1	9.6	10.0	...
10	9.2	...	8.2	10.3	10.1	9.6	9.9	...
11	9.1	...	8.3	10.2	10.0	9.6	10.0	...
12	9.1	...	8.4	10.2	10.0	9.6	9.7	...
13	9.1	...	8.5	10.1	9.9	9.6	9.7	...
14	9.1	...	8.6	10.0	9.9	9.6	10.0	9.3
15	9.0	...	8.6	9.9	...	9.6	10.1	9.0
16	9.0	8.1	8.6	9.8	...	9.6	10.1	9.2
17	9.0	8.1	8.7	9.7	...	9.6	10.0	9.2
18	8.9	8.1	8.8	9.7	...	9.5	10.0	9.1
19	8.9	8.2	8.9	9.7	...	9.6	10.0	9.2
20	8.9	8.1	8.9	9.6	...	9.6	...	9.1
21	9.0	8.0	9.0	9.6	...	9.5	...	9.1

## Ve-120--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Mar.	May	June	July	Sept.	Oct.	Dec.
22	9.0	7.9	9.1	9.6	...	9.4	....	9.1
23	9.0	7.9	9.2	9.6	...	9.4	....	9.1
24	9.0	...	9.4	9.6	...	9.5	....	9.1
25	9.0	...	9.5	9.6	...	9.5	....	9.1
26	9.1	...	9.8	9.6	...	9.5	....	9.0
27	9.1	...	10.0	9.7	....	9.5	....	8.9
28	9.0	...	10.1	9.7	....	9.5	....	8.9
29	9.1	...	10.0	9.8	...	9.6	....	8.7
30	...	...	10.1	9.8	...	9.5	....	8.6
31	...	...	10.0	...	...	...	....	8.6

Ve-124. Dr. G. L. Gardiner. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 12 S., R. 2 W. Records available: 1945-49. Mar. 14, 11.07; June 22, 13.08; Sept. 13, 14.65; Dec. 13, 12.36.

Ve-125. Loffland Bros. Sec. 33, T. 11 S., R. 1 W. Records available: 1945-48. Measurements discontinued.

Ve-126. Magnolia Petroleum Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 12 S., R. 2 W. Records available: 1945-49. Mar. 14, 11.93; June 22, 13.84; Sept. 13, 16.40; Dec. 13, 13.30.

Ve-127. Loffland Bros. Southwest of well Ve-125, in sec. 33, T. 11 S., R. 1 W. Records available: 1945-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Oct.	Nov.	Dec.
1	13.3	....	11.0	9.8	9.5	....	20.0	....	15.2	13.3	....
2	13.3	....	11.0	9.7	9.5	....	20.2	....	15.2	13.2	....
3	13.3	....	11.0	9.8	9.5	....	19.3	....	15.1	13.2	....
4	13.3	11.8	10.9	9.8	9.5	....	18.7	....	14.6	13.2	....
5	....	11.8	10.9	9.8	9.5	....	18.2	....	14.5	13.2	....
6	....	11.7	10.8	9.8	9.5	....	17.9	....	14.4	13.1	....
7	....	11.7	10.8	9.8	9.6	....	17.7	....	14.4	13.1	....
8	....	11.7	10.8	9.8	9.7	....	17.7	....	14.4	13.1	....
9	....	11.7	10.7	9.8	9.7	....	17.7	....	14.4	....	....
10	....	11.7	10.7	9.8	10.1	....	17.6	....	14.4	....	....
11	....	11.7	10.7	9.7	10.5	....	17.6	....	14.3	....	....
12	....	11.7	10.7	9.7	10.9	....	17.7	....	14.3	....	....
13	....	11.6	10.6	9.7	....	....	17.8	....	14.2	....	12.2
14	....	11.5	10.4	9.6	....	....	17.7	16.3	14.2	....	12.2
15	....	11.5	10.4	9.6	....	....	17.8	16.2	14.2	....	12.2
16	....	11.4	10.3	9.6	....	....	18.4	16.2	14.1	....	12.1
17	....	11.4	10.3	9.6	....	....	18.7	16.2	14.1	....	12.1
18	....	11.2	10.4	9.6	....	....	18.9	16.1	14.1	....	11.9
19	....	11.2	10.4	9.6	....	....	....	15.9	14.0	....	11.8
20	....	11.2	10.4	9.6	....	....	....	15.8	13.9	....	11.8
21	....	11.2	10.3	9.6	....	....	....	15.7	13.8	....	11.7
22	....	11.2	10.2	9.6	....	17.0	....	15.5	13.8	....	11.7
23	....	11.1	10.1	9.5	....	17.3	....	15.5	13.8	....	11.7
24	....	11.1	10.1	9.4	....	17.4	....	15.5	13.7	....	11.8
25	....	11.1	10.1	9.4	....	17.7	....	15.4	13.6	....	11.7
26	....	11.1	10.1	9.5	....	17.5	....	15.4	13.6	....	11.7
27	....	11.0	10.1	9.5	....	17.0	....	15.4	13.6	....	11.6
28	....	11.0	10.1	9.5	....	17.6	....	15.3	13.5	....	11.6
29	....	....	10.0	9.5	....	18.7	....	15.3	13.5	....	11.6
30	....	....	9.9	9.5	....	19.4	....	15.3	13.3	....	11.5
31	....	....	9.8	....	....	....	....	....	13.3	....	11.5

Ve-128. Charles Stancil. NE $\frac{1}{4}$  sec. 33, T. 11 S., R. 1 W. Records available: 1946-49. Mar. 15, 15.14; June 22, 21.38; Sept. 13, 21.23; Dec. 13, 17.08.

Ve-129. J. D. Vondenstein. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 13 S., R. 2 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 6	10.49	Mar. 14	7.99	Dec. 13	10.25
Feb. 4	9.19	July 7	10.19		

Ve-333. J. Herpin. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 35, T. 11 S., R. 1 E. Records available: 1948-49. Mar. 14, 16.90; June 20, 24.42; Sept. 13, 21.52; Dec. 13, 18.71.

Ve-460. Acadia-Vermilion Rice Irrigation Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 13 S., R. 2 E. Records available: 1948-49. Mar. 15, 9.20; June 20, 10.84; Sept. 12, 11.14; Dec. 13, 10.79.

#### Washington Parish

Wa-7. Gaylord Container Corporation. In rear of supply room at Gaylord plant in Bogalusa. Abandoned drilled industrial well, diameter 12 inches, depth 580 feet. Measuring point, top inside edge of 18-inch pit casing, at land-surface datum. Records available: 1949. Dec. 22, 4.90.

Wa-18. Town of Franklinton. 50 feet south of ground-storage reservoir. Used drilled public-supply well, diameter 6 inches, depth 788 feet. Measuring point, top of 6-inch tee, 1.2 feet above land-surface datum. Records available: 1949. Dec. 21, +33.2.

Wa-38. Town of Franklinton. 75 feet east of ground-storage reservoir. Used drilled public-supply well, diameter 6 inches, depth 1,050 feet. Measuring point, top of 6-inch tee, 0.9 foot above land-surface datum. Records available: 1949. Dec. 21, +43.4.

#### Webster Parish

Wb-2. City of Springhill. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 23 N., R. 11 W. Records available: 1947-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	165.34	Mar. 30	160.92	May 25	164.53	Aug. 3	166.22
Mar. 2	165.23	May 4	164.32	June 28	164.77		

Wb-15. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T. 23 N., R. 11 W. Records available: 1945-49.

Jan. 27	114.98	May 4	115.44	June 28	115.70	Sept. 8	115.69
Mar. 2	115.47	25	115.52	Aug. 3	115.73	Oct. 6	115.69
30	114.86						

Wb-27. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 23 N., R. 11 W. Records available: 1947-49.

#### Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	143.2	142.0	148.7	147.1	145.2	129.3	140.3	.....	123.0	.....	119.6	125.9
2	145.6	141.7	148.7	147.1	145.2	129.4	140.1	.....	121.9	.....	119.5	126.1
3	145.7	138.4	148.7	147.1	145.2	129.4	140.0	140.5	121.3	.....	119.7	126.3
4	142.5	144.9	148.6	147.1	145.2	129.5	136.7	140.6	130.1	.....	119.5	126.3
5	144.2	146.5	148.6	147.0	145.0	129.7	139.3	140.7	131.4	.....	119.6	126.4
6	145.4	147.2	148.4	146.7	145.0	129.7	139.7	141.1	132.0	126.5	119.6	126.1
7	145.5	147.7	148.5	146.7	144.9	129.9	140.6	140.9	132.5	125.1	119.4	127.1
8	145.6	148.0	148.4	146.6	144.8	130.0	141.1	140.8	132.9	124.5	119.3	128.0
9	146.0	147.8	148.1	146.6	144.7	130.0	141.3	140.7	128.5	124.2	118.4	128.4
10	146.0	147.5	147.9	146.5	144.7	130.0	141.2	140.6	126.0	123.5	119.7	128.6
11	146.0	147.4	148.5	146.5	144.7	130.0	141.3	133.7	125.5	122.9	122.5	128.4
12	146.0	147.5	148.2	146.5	144.6	130.2	141.3	132.6	124.5	122.5	123.3	128.9

a Tape measurement at odd hour.

Wb-27--Continued.

## Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	146.0	147.4	148.2	146.4	144.5	.....	141.2	131.8	.....	122.3	123.8	128.9
14	145.9	147.5	148.2	146.2	144.4	.....	141.3	131.2	.....	122.1	124.5	129.4
15	145.9	147.5	148.1	146.5	144.3	.....	141.2	134.0	.....	122.0	124.9	129.7
16	145.7	147.3	148.4	146.6	144.2	.....	141.3	138.0	.....	121.6	125.3	129.4
17	145.7	148.0	148.2	146.3	144.0	.....	141.4	138.6	.....	121.4	125.5	129.5
18	145.3	148.3	148.1	146.1	143.9	.....	141.4	139.1	.....	121.2	125.7	129.3
19	145.5	148.5	146.3	146.1	143.9	.....	141.4	139.2	.....	121.0	125.6	129.3
20	145.4	148.8	147.4	146.0	143.9	.....	141.2	139.4	.....	120.8	125.7	129.5
21	145.2	148.5	147.4	146.0	143.7	.....	141.0	139.6	.....	120.7	125.8	121.4
22	145.1	148.0	147.5	145.8	143.7	.....	141.2	133.2	.....	120.7	125.7	119.4
23	143.4	148.5	147.6	146.0	143.6	.....	141.2	137.1	.....	120.6	125.7	120.5
24	143.0	148.5	147.7	145.9	143.6	.....	141.2	137.0	.....	120.6	125.4	118.3
25	142.8	148.5	146.7	145.7	143.6	.....	141.0	131.2	.....	120.5	125.6	117.0
26	142.4	148.4	147.1	145.6	143.5	.....	141.0	126.2	.....	120.3	125.4	117.6
27	142.0	148.6	147.3	145.5	143.5	.....	141.0	124.4	.....	120.2	125.7	112.6
28	142.0	148.7	147.4	145.5	129.2	140.8	140.3	123.7	.....	120.1	125.4	112.6
29	141.9		147.4	145.3	128.9	140.6	140.3	124.4	.....	119.6	125.5	119.9
30	142.0		147.2	145.3	128.8	140.4	.....	124.6	.....	119.8	125.7	123.6
31	141.7		147.1		128.9	.....	.....	124.5	.....	119.7		125.1

a Tape measurement at odd hour.

Wb-91. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 23 N., R. 11 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	167.16	Mar. 30	160.70	May 25	161.02	Aug. 3	167.29
Mar. 2	162.75	May 4	160.48	Apr. 28	167.24	Sept. 8	160.64

Wb-95. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 23 N., R. 11 W. Records available: 1947-49.

## Daily noon water level, from recorder charts

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	54.0	.....	59.4	59.5	59.7	60.2	61.2	67.0	67.9	.....	68.6
2	54.6	.....	59.3	59.9	60.1	60.1	61.2	67.0	67.8	.....	68.8
3	55.1	59.5	59.4	60.0	.....	60.1	64.2	66.9	67.8	68.4	68.6
4	55.3	59.4	59.5	60.0	63.9	60.6	65.0	67.0	67.7	68.2	68.7
5	55.4	59.2	59.4	60.0	60.7	60.9	65.5	67.1	67.5	68.4	68.8
6	54.9	59.2	59.3	60.0	60.5	60.4	65.7	66.7	67.7	68.4	68.1
7	54.2	59.6	59.4	59.9	60.5	60.3	65.9	66.5	67.7	68.2	68.2
8	54.1	59.3	59.3	59.8	60.7	60.0	66.0	66.5	67.8	68.0	68.5
9	54.8	59.1	59.3	59.9	60.9	60.2	66.1	66.7	68.0	68.0	68.4
10	55.5	59.6	59.3	60.0	61.0	60.3	66.2	66.7	.....	65.3	68.0
11	56.0	59.6	59.4	60.1	61.0	60.3	66.4	66.8	.....	67.2	67.9
12	56.2	59.4	59.2	60.2	61.0	60.4	66.3	66.8	.....	67.8	68.3
13	56.5	59.5	59.2	60.1	61.0	60.5	66.3	66.9	.....	68.1	68.5
14	56.6	59.6	59.2	60.1	60.8	60.6	66.3	67.0	.....	68.1	68.5
15	56.6	59.7	59.7	60.1	61.1	60.7	66.4	67.0	.....	68.1	68.6
16	56.9	59.5	59.7	60.1	61.2	60.8	66.5	67.0	.....	68.3	68.4
17	57.2	59.1	59.4	60.1	61.2	60.8	66.5	67.1	.....	68.5	68.0
18	57.0	59.5	59.3	60.2	61.4	61.0	66.5	67.2	.....	68.4	68.1
19	57.7	59.6	59.5	60.2	61.2	61.0	66.5	67.3	.....	68.2	68.2
20	57.7	59.4	59.5	60.2	61.2	61.0	66.6	67.4	.....	68.1	68.2
21	57.6	58.8	59.4	59.9	61.2	61.1	66.8	67.4	.....	68.6	67.8
22	57.7	59.2	59.5	60.1	61.1	61.2	66.9	67.5	.....	68.6	68.2
23	57.6	59.3	59.6	60.2	61.0	61.3	66.9	67.7	.....	68.3	68.7
24	57.6	59.2	59.6	60.3	60.9	61.3	66.9	67.8	.....	68.0	66.4
25	57.9	59.4	59.6	60.4	61.0	61.3	66.9	67.7	.....	68.4	64.5
26	57.9	59.1	59.7	60.3	61.2	61.3	66.9	67.7	.....	68.2	63.6
27	57.7	59.3	59.6	60.3	61.2	61.3	66.9	67.7	.....	68.1	66.6
28	58.0	59.4	59.7	60.1	61.2	61.3	66.8	67.6	.....	68.0	66.7
29	58.5	59.4	59.6	60.1	61.2	61.3	66.9	67.8	.....	68.3	66.8
30	58.3	59.2	59.5	60.2	61.0	61.2	66.9	67.9	.....	68.7	66.8
31	58.2	59.4		60.2		61.2	66.9		.....		66.8

Wb-96. Town of Cotton Valley. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 21 N., R. 10 W.  
Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	24.86	May 4	23.26	Aug. 3	24.72	Oct. 6	25.21
Mar. 2	23.93	25	23.44	Sept. 7	25.25	Nov. 30	25.24
30	23.31	June 28	24.11				

#### West Baton Rouge Parish

WBR-4. Town of Port Allen. Sec. 66, T. 7 S., R. 12 E., at Port Allen, about 40 feet north of municipal swimming pool. Records available: 1943-47. Measurements discontinued.

WBR-5. Town of Port Allen. Sec. 66, T. 7 S., R. 12 E., at Port Allen, about 20 feet south of reservoir behind pumping plant. Records available: 1943-47, 1949. May 6, +19.5; Nov. 2, +18.1.

#### Winn Parish

W-2. Town of Winnfield. 40 feet north of town reservoir. Used drilled public-supply well, diameter 8 inches, depth 278 feet. Measuring point, top of opening in airline, 2 feet above land-surface datum. Records available: 1949. Dec. 1, 37.02.

## OKLAHOMA

By J. E. Barclay

### PROGRAM OF WORK

The observation-well program in Oklahoma, begun in 1934, was continued in 1949 in cooperation with the Oklahoma Geological Survey and the Oklahoma Agricultural and Mechanical College. In the Stillwater Creek Basin, Payne County, the program was continued in cooperation with Dr. H. J. Harper, head of the Department of Agronomy of the Oklahoma Agricultural and Mechanical College. Dr. M. J. Plice, also of the Department of Agronomy, who has served as voluntary well observer since 1940, made 87 measurements of water level in 1949. Measurements in an irrigation well at the Southwestern Cotton Substation near Tipton, Tillman County, started in 1944, were continued in 1949. The substation is operated by the Oklahoma Agricultural and Mechanical College and the United States Department of Agriculture. The rest of the observation-well program was conducted in cooperation with the Oklahoma Geological Survey.

The location of the observation wells are shown in figure 11.

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 in 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; and Kay and Seminole Counties, 1129. McCurtain County is described in this report.

During 1949, about 1,500 tape measurements of water levels were made in 218 wells, and automatic water-stage recorders were operated in 7 wells. Observations were discontinued in five wells after several measurements had been made, and in seven others without measurements having been made.

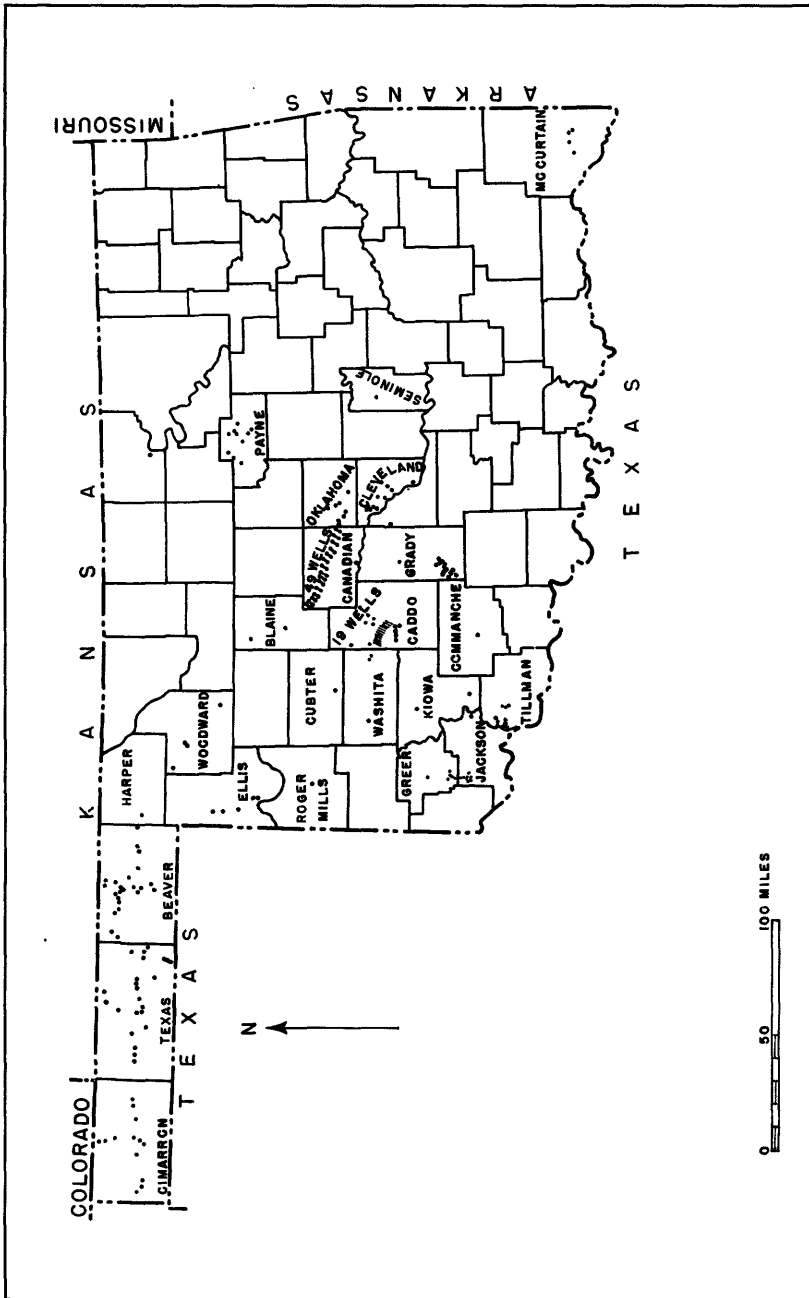


Figure 11.--Map of Oklahoma showing location of observation wells, 1949.

Four wells not measured in 1949 were retained. The number of wells on the active list at the end of 1949 was 224.

The frequency of measurement in the individual wells ranged in 1949 from once a year, as in most of the observation wells of the panhandle counties, to once a week, as in Cleveland County. Measurements were made monthly in the wells in Grady, Oklahoma and Payne Counties. They were made two or three times a month in Caddo County during the first 4 months of the year, and then the frequency was changed to monthly. Most of the other wells were measured at irregular intervals.

A 21-page report entitled "Ground water in Kingfisher County, Oklahoma," by Stuart L. Schoff, and a 25-page report on "Ground-water supplies in the Oklahoma City area, Oklahoma," by C. L. Jacobsen and E. W. Reed, were published as Oklahoma Geological Survey Mineral Reports 19 and 20. An investigation of the ground-water resources of southern McCurtain County, stressing the water in the Trinity sand, was begun in September.

#### PRECIPITATION

Precipitation for 1949 averaged 38.88 inches. This amount is 5.87 inches above or 118 percent of normal. The precipitation was well distributed over the State. The only section reporting more than 150 percent of its normal amount was in Texas County, while the only area receiving less than 90 percent of normal was in southern Kingfisher County. The western division averaged 30.65 inches during the year, 119 percent of the 1892-1949 mean. In the central division precipitation averaged 37.56 inches, or 112 percent, while in the eastern division precipitation averaged 48.02 inches or 119 percent. In the panhandle counties the precipitation averaged 23.50 inches. Departures from normal precipitation at four of the stations ranged from +2.44 inches at Boise City to +8.82 inches at Hooker. Along the North Canadian River Valley, from Oklahoma City upstream to Beaver, the precipitation at 11 stations in 1949 ranged from 26.27 inches (Canton Dam) to 38.30 inches (Geary) and averaged 31.53 inches. Departures from normal precipitation at five stations ranged from +2.86 inches at Oakwood to +9.92 inches at Geary. In the vicinity of Oklahoma City and Norman, six stations reported precipitation ranging from 28.03 inches (North side disposal) to 43.82 inches (Norman, Oklahoma University). At the three stations for which normal precipitation has



been established, the departures from normal ranged from -0.16 inches at Oklahoma City to +8.47 inches at Norman. In the Stillwater Creek Basin, two stations reported precipitation in 1949 as 30.24 inches and 36.03 inches. The departure from normal at Stillwater was -3.11 inches. In the area underlain by the Rush Springs sandstone in Caddo and Grady Counties, the precipitation at three stations ranged from 31.47 inches to 38.46 inches and averaged 33.77 inches. Departures from normal ranged from +0.66 inches to +9.60 inches.

Annual precipitation and departures from normal  
at miscellaneous stations in Oklahoma, 1949

Station	Total precipitation (inches)	Departure from normal
Altus	37.00	+11.51
Altus dam	34.05	(b)
Arnett	30.10	+6.45
Cheyenne	327.20	(b)
Clinton	30.07	+ .83
Frederick	32.66	+5.29
Lawton	33.10	+2.16
Lawton (2 mi. N.)	326.80	(b)
Ponca City	328.85	***
Ponca City (CAA)	34.98	(b)
Seminole	334.95	***
Tipton	28.23	(b)
Union City	38.55	6.90

a Incomplete. One or more months missing.

b Normal not established.

#### 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 eight towns was about 3 percent less in 1949 than in 1948. The largest decrease was about 13 percent at Forgan. Pumpage decreased about 7.3 percent at Guymon and 4.3 percent at Beaver. The quantity of water pumped for irrigation and other uses by the Panhandle Agricultural and Mechanical College increased about 75 percent and this, along with increases at Boise City, Keyes, Felt, and Texhoma, resulted in an increase of about 14 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 1949 is 904,431,000 gallons or about 2,775 acre-feet.

Records for nine of the 23 irrigation wells in the Duke irrigation area show a total of 82,650,000 gallons, or about 251 acre-feet, pumped to

irrigate 325 acres--an average of 0.77 foot per acre. The amount of water pumped was reported to be relatively small in 1949 because precipitation was almost adequate for agricultural requirements.

From July 16 to August 31, about 5,995,000 gallons or 18 acre-feet of water was pumped from the irrigation well at the Southwestern Cotton Substation near Tipton, Tillman County. The total pumpage was about 11 percent greater in 1949 than it was in 1948.

#### FLUCTUATIONS OF WATER LEVELS

##### Oklahoma Panhandle

The annual measurements of ground-water levels in Beaver, Texas, and Cimarron Counties, made about the middle of May, showed a widespread rise. The average reached 0.63 foot above the record set in May 1948. New high averages were recorded in each of the three counties, the largest rise for the year being 0.83 foot in Beaver County. Since November 1938, the ground-water levels in the Panhandle have risen an average of 3.64 feet.

In the following tables the wells are grouped according to counties and aquifers, and comparisons are made between water levels in 1948 and 1949. An asterisk indicates that the water level is the highest observed during the period of record.

Average water levels in groups of wells in the Oklahoma Panhandle, in feet above assumed datum planes, 1948-49

Date	Beaver County			Texas County			Cimarron County	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
May 1948	103.60	102.49	102.42	102.65	100.00	100.18	103.62	100.79
May 1949	*104.55	*103.08	103.04	*103.19	100.12	101.11	*104.07	101.90

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

Weighted average of water levels in wells in the Oklahoma Panhandle, by counties, in feet above assumed datum planes, 1948-49

Date	Beaver a/	Texas b/	Cimarron c/	Average d/
May 1948	103.20	102.48	103.33	103.00
May 1949	*104.03	*103.02	*103.86	*103.64

a 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.

b Weighted average, in which upland wells in Ogallala formation represent 93 percent; wells in alluvium, 5 percent; and wells in redbeds (Permian to Jurassic), 2 percent.

c Weighted average, in which upland wells in Ogallala formation and Dakota sandstone represent 90 percent of the total area and wells in alluvium, 10 percent.

d Arithmetical average of the three weighted county averages.

### Duke Irrigation Area

Measurements of water levels were made once or twice in 15 wells in Jackson and Greer Counties in the Duke irrigation area during 1949. In eight of the nine wells that were measured twice, the water levels rose from 0.24 foot to 4.06 feet between April and October, which is the period normally embracing the season of heavy pumping for irrigation. The summer precipitation was almost adequate to meet crop needs, and little pumping was done. The rise of ground-water levels suggests that recharge to the ground-water reservoir was greater than the pumpage, which is estimated as only 0.77 acre-foot per irrigated acre.

Between June 1948 and April 1949--in both years prior to the irrigation season--no great change seems to have occurred in the water levels. In two wells the water levels of April 1949 were 0.17 foot and 1.93 feet lower than in 1948; and in two others they were 0.83 foot and 2.88 feet higher. The average change for the four wells is a rise of 0.4 foot.

### Stillwater Creek Basin

Measurements of water levels in the Payne County (Stillwater Creek Basin) observation wells were made near the end of each month, except in January. The average of the water levels in nine wells fluctuated through a range of 4.35 feet. The highest stage was reached in May and the lowest stage in October. In December 1949 the average was 0.83 foot higher than it was in December 1948.

### McCurtain County

Observations were begun late in 1949 in four wells in southern McCurtain County. As only one measurement was made in each of the four wells, no interpretation can be offered. McCurtain County is the southeasternmost county in Oklahoma. The Ouachita Mountains in the northern part of McCurtain County present a rough terrain generally unsuited to farming. Lumbering is the principal industry, population is sparse, and the demand for ground water is low. The bedrocks underlying the surface are complexly folded and faulted shale, schist, sandstone, chert, tuff, and novaculite, of Paleozoic age. These rocks generally yield only small quantities of water, mainly through secondary openings. Probably the best aquifer among these Paleozoic formations is the Crystal Mountain sandstone, exposed at the surface in T. 5 S., Rs. 23 and 24 E. and T. 4 S., Rs. 24

and 25 E. Ground water discharging from it apparently maintains the nearly perennial flow of some of the streams. Approximately the southern half of the county is underlain by sedimentary rocks of Cretaceous and Quaternary age. The most promising aquifers are the Trinity sand, which has been tapped for public water supply by several of the smaller communities in the western part of the county, and the alluvium. The latter is found principally along the Red River, where the alluvial flats are several miles wide, and along Little River and its tributaries. North of Little River, in the outcrop area of the Trinity sand, the surface is gently to moderately rolling. Between Little River and the Red River, the surface ranges from flat to gently rolling.

The lowest daily water level in the Skelly Gas Corporation well in Seminole, is illustrated by a hydrograph in figure 13. The lowest level for the year was recorded on January 24, and from that date the water level rose, with minor variations, until May 31, thereafter remaining relatively high for the rest of the year. The highest stage was recorded on November 27. The net annual change was a rise of 6.04 feet, and the range of fluctuation was 7.66 feet.

#### Garber Sandstone and Wellington Formation

The average net annual change in water levels for the 11 wells in the Garber sandstone and Wellington formation in Oklahoma and Cleveland Counties was a rise of 4.39 feet, but the details of the water-level fluctuations were not uniform over the area considered. In most of the wells the net annual change compares water levels for December 1949 with December 1948. Water levels in four deep wells in Oklahoma County in the Garber and Wellington sandstones are usually highest in spring and lowest in summer when pumping is heaviest. In 1949, this general pattern of fluctuation appeared in all except well 1, where the lowest stage was reached early in February, followed by a rapid rise to a high in April and resumption of the general pattern. Over the period of record the water level in well 1 has shown a downward trend, and in late November 1949 was 25.59 feet below the level recorded in the initial measurement in 1943, and 4.30 below the stage of November 1948. Wells 2, 3, and 4 have shown much less pronounced downward trends, although large declines sometimes appear in the comparisons of month to month or year to year, due principally to differences in the magnitude and distribution of pumping at times

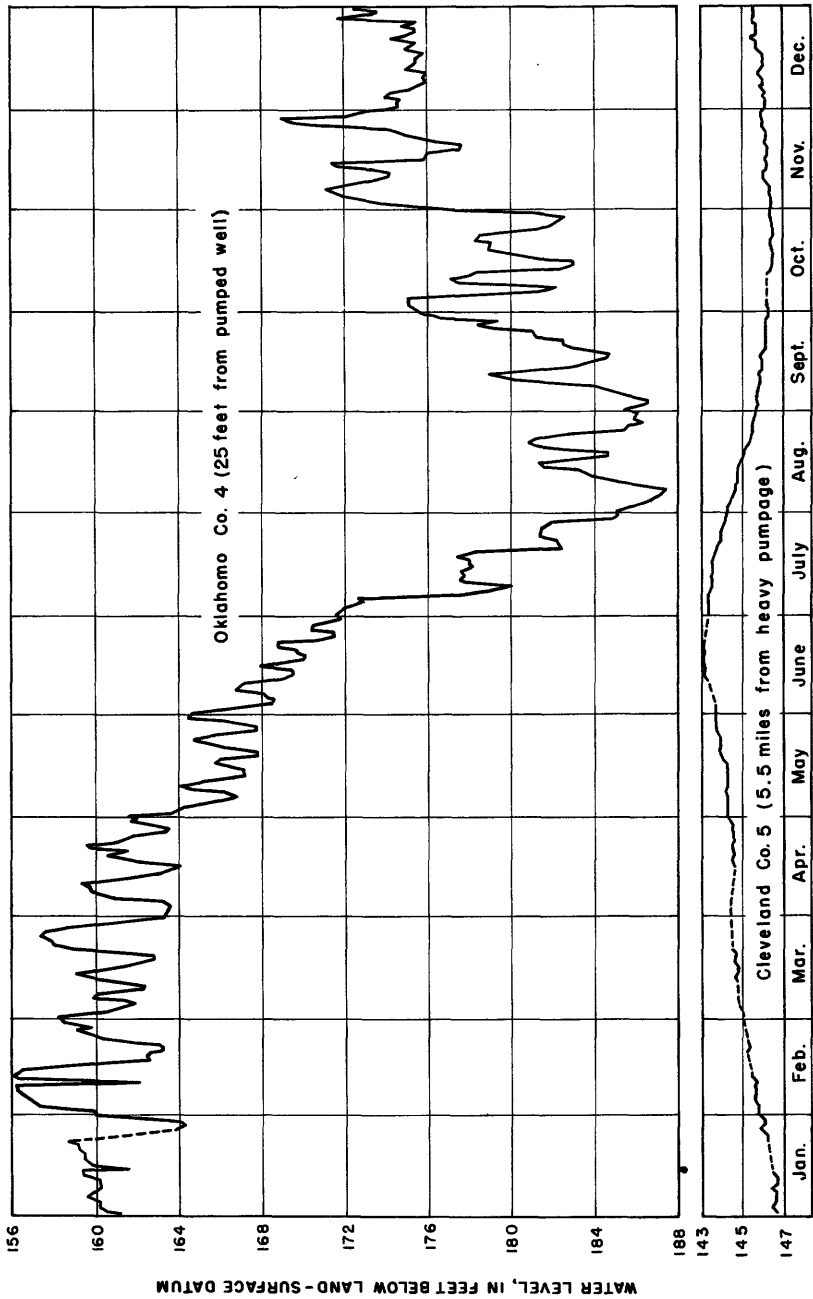
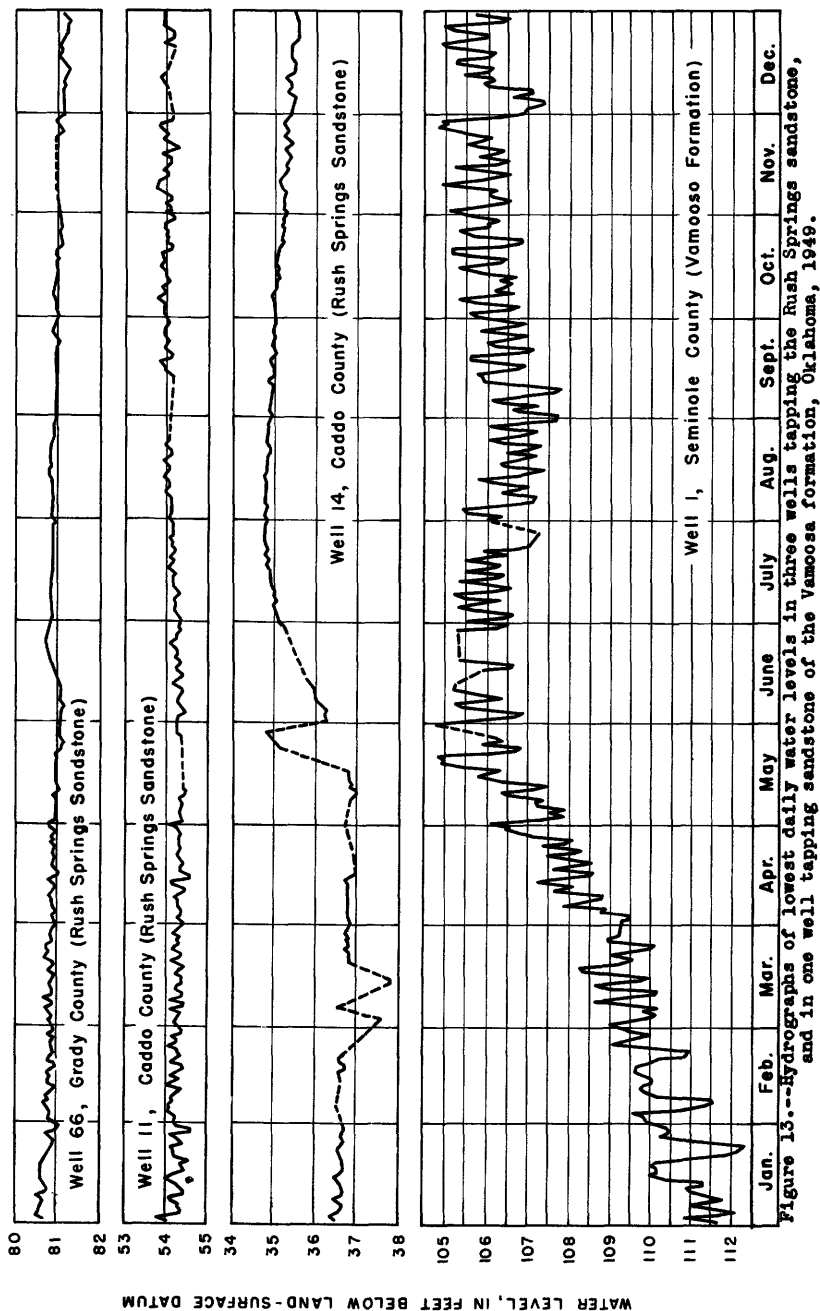


Figure 12.--hydrographs of two wells in the Garber sandstone and Wellington formation, Oklahoma, 1949



of measurement. Compared with December 1948, the water levels for December 1949 in wells 2 and 4 were 4.51 and 11.23 feet lower, respectively, whereas in well 3 the water level was 0.20 foot higher.

Fluctuations of water levels in the deep wells of Cleveland County are primarily a response to pumping, but a common pattern is shown only in wells 4 and 10, in the city of Norman. In both of these wells water levels were relatively high in the spring and low in the summer, then they rose rapidly from October to the end of the year. From December 1948 to December 1949, water levels in wells 4, 5, 6, 8, and 10 show net rises of 33.87 feet, 1.18 feet, 4.46 feet, 19.67 feet, and 15.06 feet, respectively. In the same period, the net change in water levels in wells 11 and 12 were declines of 0.06 foot and 4.01 feet, respectively. Figure 12 gives hydrographs of water levels in two wells in the Garber sandstone and Wellington formation.

#### Rush Springs Sandstone

Measurements of water levels were made in 35 wells tapping water in the Rush Springs sandstone of Caddo County during 1949, and two of these were equipped with recording gages (fig. 13). Fluctuations of water levels ranged from 0.15 foot to 4.32 feet, except in well 18, in which the water level was influenced by pumping from nearby irrigation wells, and the fluctuations ranged through 24.37 feet. Annual net changes in water levels computed for 12 wells from December 1948 to December 1949 were rises ranging from 0.17 foot to 1.36 feet and averaging 0.70 foot.

In Grady County, monthly water-level measurements were made in 11 wells, tapping water in the Rush Springs sandstone and another well was equipped with a recording gage (fig. 13). Fluctuations of water level ranged from 1.36 feet to 6.04 feet, apparently in response to natural recharge and discharge, as there was no heavy pumping in the area. The record in Grady County contrasts sharply with that in Caddo County. Although the precipitation, as indicated by the Weather Bureau Station at Marlow, was greater in 1949 than in 1948, the water levels in 8 of the 12 wells showed net annual declines ranging from 0.02 foot to 1.24 feet, while the other four showed net annual rises ranging from 0.23 foot to 1.84 feet. The average for the year was a decline, the reason for which is obscure. The net annual change is based on a comparison of the water levels of

December 1949 with those for the same month in 1948, except for two wells for which the November water levels were used.

Water-level measurements were begun in two wells in Washita County in 1949, four measurements being made in each well. The highest stages in both wells were recorded on October 6, and the lowest on October 28. The range of fluctuation was 0.54 foot for well 5, and 0.48 foot for well 6. The net changes in water levels were declines of 0.15 foot and 0.26 foot, respectively.

#### Ground Water in Alluvium

In the municipal well field of Ponca City one well, Kay County 1, was measured weekly in 1949. Several nearby wells are pumped regularly, and the observation well itself is pumped occasionally, therefore the water-level fluctuations are partly a response to pumping. The highest water level occurred on May 26, the lowest on December 29, and the range of fluctuation was 5.86 feet. The net change of water level from December 1948 to December 1949 was a decline of 1.15 feet.

Water-level fluctuations in the alluvium of the Canadian River were observed in Canadian County well G53, near Union, and Cleveland County 14 and 15, which are 25 and 40 miles, respectively, downstream. In all three wells the water levels were relatively low at the beginning of the year, but in response to heavy spring rains, they rose rapidly until May or June, and then declined just as rapidly until fall. At the end of the year, the water levels were slowly rising. The highest water levels were recorded in the spring and the lowest in winter, except in Cleveland 15, where the lowest was recorded in August. The fluctuations of water level ranged from 3.20 feet to 6.49 feet in the individual wells, and the net annual rise in water level ranged from 0.41 foot to 1.56 feet, with the upstream wells showing the greatest rises.

Water-level measurements were made in 52 wells in the alluvium of the North Canadian River during 1949, the number of measurements ranging from 1 to 52 in the individual wells. The wells will be discussed in two groups: (a) a select group of 19 widely spaced wells representative of ground water in the alluvium from Oklahoma City to Beaver; and (b) a larger group of 40 closely spaced wells in Canadian County which includes seven wells of the first group.



Water-level fluctuations in seven of the wells that are closest to the river are considered to be a response principally to river stages. The highest recorded stage in five of these wells came in June, but in Woodward County well 5 and Canadian County well RFC 4 it was in May. The lowest stages in Blaine County wells 1 and 2 and Woodward County 5 were recorded in October; in Canadian County RFC 1, Major County 1 and Woodward County 1 they were recorded in May; and the lowest stage in Canadian County RFC 4 was recorded in September. Annual net changes in five of the wells--computed through different 12-month periods--were rises of 0.12 foot, 1.36 feet, 1.67 feet, 3.32 feet and 3.70 feet, and in two of the wells there were declines of 0.28 foot and 1.28 feet. High water levels in the other 11 wells of this group were recorded in the spring, but their lowest recorded levels occurred at various times throughout the year. Canadian County well 2 was not considered because it was influenced by pumping at El Reno.

In the group of 40 wells in Canadian County are 28 that were measured in both May and September. Water levels in 21 of these were at their highest recorder stages in May. From October 1948 to September 1949, 20 wells show net rises of water levels ranging from 0.03 foot to 2.23 feet, while water levels in four wells showed net declines ranging from 0.25 foot to 1.29 feet. From April 1948 to May 1949, water levels rose in 11 wells by amounts ranging from 0.16 foot to 5.51 feet, while the water level in one well declined 0.65 foot. Measurements of water levels in three wells showed rises of 0.65 foot, 1.61 feet and 1.67 feet between December 1948 and December 1949.

Measurements of water level have been made infrequently and irregularly in Jackson County well 1, which is about 9 miles west of Snyder and is the only observation well in the alluvium of the North Fork of Red River. In April 1949, the water level was 0.17 foot higher than in June of the preceding year. By October 1949, however, it had declined 0.17 foot and was 0.76 foot below the stage recorded in the initial measurement of June 1947.

Fluctuations of water levels in the alluvium of the Washita River are represented by Roger Mills County well 1, Custer County well 1, Caddo County wells 2 and 3, and Grady County well 76. High water levels were

recorded for all of these wells in the month of May, apparently in response to abnormally heavy rainfall that month over most of the State. Fluctuations of water levels ranged from 0.95 foot to 12.57 feet, and all wells except Caddo 2 showed net annual rises in water levels ranging from 0.95

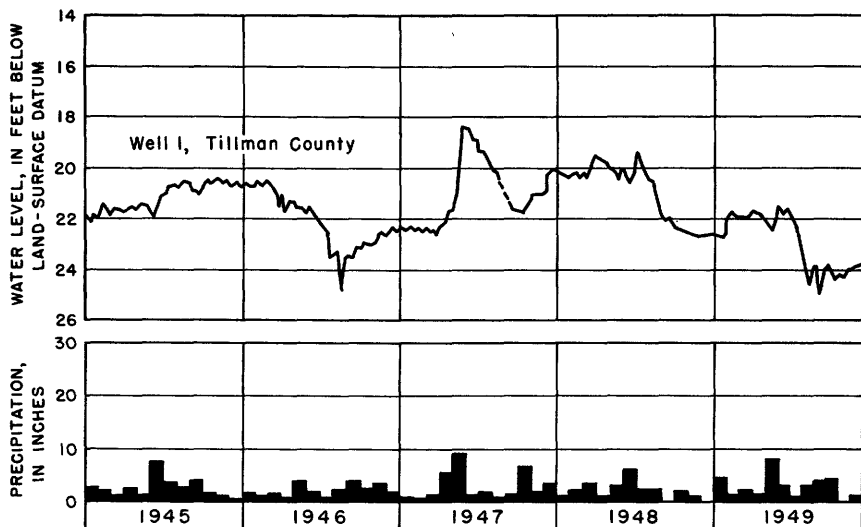


Figure 14.--Hydrograph of water level in a well in terrace deposits, and precipitation at Southwestern Cotton Substation near Tipton, Tillman County, Oklahoma, 1945-49.

foot to 12.57 feet. The net change in Caddo 2 was a decline of 1.14 feet. Comparisons of annual water levels were made from December 1948 to December 1949, except for Roger Mills County 1 and Custer County 1, for which the period from October 1948 to October 1949 was used.

#### Terrace Deposits

Records for the irrigation well at the Southwestern Cotton Substation

in Tillman County showed a range of 3.40 feet in water-level fluctuations in 1949. The highest level was on May 30, and evidently was a response to precipitation totaling 7.69 inches for the month of May, most of it coming in the period from May 13 to 18. The lowest level for the year was recorded on August 29, near the end of the irrigation season, after which the water level rose gradually until, on December 29, it was 1.11 feet above the lowest level but showed a net decline of 1.15 feet for the year (fig. 14). Measurements were begun in nine other wells in Tillman County in 1949, five of them being observed in April and October. In four of these, the water levels in October showed declines ranging from 0.35 foot to 2.14 feet and averaging 1.05 feet, while in the other well the water level rose 0.19 foot.

Cleveland County well 1, is in a thin terrace deposit. The water level was at its lowest stage for the year in the first half of January, but rose rapidly in response to precipitation that totaled 6.84 inches. The water level continued to rise until March, then declined rapidly until May. It rose to the highest recorded stage of the year on May 19, the day after 7.95 inches of rain fell at the Norman weather station, and then declined--with minor interruptions--through the remainder of the year. The range of fluctuations was 6.71 feet, and the annual net change was a rise of 1.95 feet.

Oklahoma County wells 10, 11, and 12 are in terrace deposits from which water is pumped for both municipal and industrial uses, and the water levels in them have shown a general downward trend since measurements were begun in July 1945. Water levels in wells 10 and 12 reached their highest recorded stages in February 1946, and in well 11 a peak was reached in May

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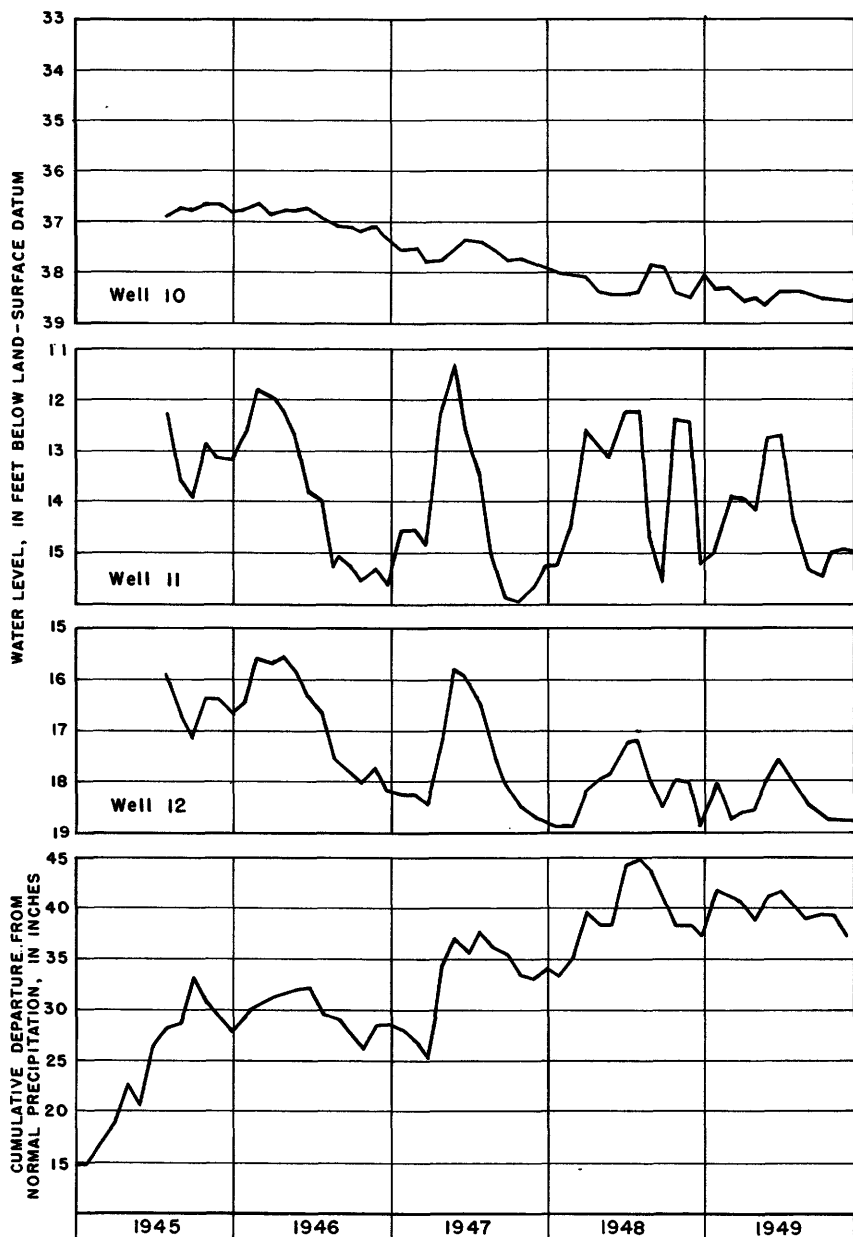


Figure 15.--Graphs showing fluctuations of water level in three wells in terrace deposits, Oklahoma County, and cumulative departure from normal precipitation at Oklahoma City, 1945-49.

1947. Over the period of record, wells 10, 11, and 12 show net declines of 1.76, 2.69, and 2.80 feet, respectively. In wells 11 and 12 the water levels have stabilized in the last 2 years, the range of fluctuations in them has narrowed, and in 1949 they even showed a small net annual rise. In well 10, the downward trend continued to the end of 1949, although the total decline from the beginning of the record is less than in the other two wells. Although the general downward trend probably is due to a gradual increase in ground-water pumpage, the sharp, short-term peaks and valleys shown in the hydrographs for these wells (fig. 15) are doubtless due to natural recharge-discharge relationships. For the year 1949, wells 11 and 12 show net rises in water levels of 0.28 and 0.14 foot, respectively, but well 10 registers a net decline of 0.59 foot.

## WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

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. Records available: 1946-49. May 11, 8.66; Oct. 6, 9.03.

275. Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 7, T. 2 N., R. 24 E. Records available: 1946-49. May 11, 76.23.

401. T. T. Yarnold. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 7, T. 3 N., R. 24 E. Records available: 1938-49. May 11, 86.94.

417. Ralph Ridgeway. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 3 N., R. 25 E. Records available: 1938-49. May 11, 9.62.

432. George H. Button. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, T. 3 N., R. 26 E. Records available: 1938-47, 1949. May 11, 24.77.

433. Federal Land Bank. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, T. 3 N., R. 26 E. Records available: 1938-49. May 11, 38.17.

518. Pete Sanders Estate. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, T. 4 N., R. 23 E. Records available: 1938-49. No measurement made in 1949.

523. Frances M. Hancock. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 24, T. 4 N., R. 24 E. Records available: 1938-49. May 11, 21.10.

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. Records available: 1938-49. May 11, 45.53.

528. Southwestern Public Service Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 7, T. 4 N., R. 24 E. Records available: 1939-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	13.48	Mar. 4	12.40	Apr. 29	12.17	June 24	2.98
14	13.28	11	12.15	May 6	12.28	July 1	6.19
21	13.19	18	12.07	13	10.03	8	7.28
28	13.11	25	11.86	20	7.84	15	6.59
Feb. 4	13.03	Apr. 1	11.90	27	8.11	22	6.63
11	12.96	8	12.01	June 3	8.03	29	8.54
18	12.86	15	12.13	10	3.21	Aug. 5	8.94
25	12.65	22	12.15	17	5.90	12	10.28

528--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 19	9.69	Sept. 23	11.03	Oct. 28	11.05	Dec. 2	11.07
26	10.13	30	11.26	Nov. 4	10.78	9	11.17
Sept. 2	10.53	Oct. 7	11.38	11	10.92	16	11.15
9	10.74	14	9.07	18	10.98	23	11.13
16	10.90	21	9.69	25	11.11	29	11.15

576. J. C. Peters. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 5 N., R. 20 E. Records available: 1938-49. May 12, 157.36.

577. George Loepp. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 5 N., R. 20 E. Records available: 1938-49. May 12, 134.81.

591. A. J. Isaac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, T. 5 N., R. 21 E. Records available: 1938-49. May 12, 189.17.

593. Ada Allred. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 5 N., R. 21 E. Records available: 1938-49. Measurement discontinued.

612. Clarence Lamaster. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, T. 4 N., R. 28 E. Records available: 1941-49. May 11, 8.03; Oct. 4, 8.85.

613. T. J. Trew. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 5 N., R. 22 E. Records available: 1938-49. May 12, 61.20.

614. Mrs. B. W. Lewis. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 5 N., R. 22 E. Records available: 1938-47, 1949. May 12, 84.73.

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. Records available: 1938-49. May 12, 166.78.

631. George W. Dubois. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, T. 5 N., R. 23 E. Records available: 1938-49. May 12, 105.79.

635. A. E. Shillingburg. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 5 N., R. 23 E. Records available: 1938-49. Measurement discontinued.

647. Gilbert Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, T. 5 N., R. 24 E. Records available: 1938-49. May 11, 47.62.

649. Arthur Williams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T. 5 N., R. 24 E. Records available: 1938-49. May 11, 5.37.

767. Robert F. LeCrone. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 6 N., R. 23 E. Records available: 1938-49. May 11, 62.71.

777. J. H. Neese. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T. 6 N., R. 24 E. Records available: 1938-49. May 11, 14.55.

Blaine County

1. Oklahoma City Water Department. NE $\frac{1}{4}$  sec. 27, T. 16 N., R. 12 W. Records available: 1940-49. May 10, 3.72; June 5, 2.22; Oct. 3, 6.52.

2. Oklahoma City Water Department. Near NE. corner sec. 9, T. 18 N., R. 13 W. Records available: 1940-49. May 10, 2.17; June 5, 0.56; Oct. 3, 8.27.

Caddo County

1. P. C. Haun. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 7 N., R. 12 W. Records available: 1945-49.

Jan. 7	48.98	Mar. 5	49.05	Apr. 30	49.15	Aug. 24	49.23
15	48.94	19	49.39	May 31	49.40	Sept. 28	49.03
Feb. 5	49.05	26	49.13	June 7	49.47	Oct. 28	49.03
12	49.10	Apr. 4	49.33	21	49.54	Nov. 30	49.09
26	49.22	14	49.48	July 23	59.40	Dec. 31	48.85

2. U. S. Geol. Survey.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 11, T. 7 N., R. 12 W. Records available: 1947-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	13.42	Mar. 26	11.51	Aug. 24	13.40	Nov. 30	14.37
29	13.18	Apr. 30	12.60	Sept. 28	13.94	Dec. 31	14.23
Feb. 26	11.36	May 31	1.80	Oct. 28	14.06		

3. U. S. Geol. Survey.  $NE\frac{1}{4}NW\frac{1}{4}$  sec. 3, T. 7 N., R. 13 W. Records available: 1947-49.

Jan. 29	15.86	Apr. 30	16.83	Aug. 24	15.53	Nov. 30	16.10
Feb. 26	15.07	May 31	5.87	Sept. 28	16.01	Dec. 31	15.94
Mar. 26	15.53	July 23	13.71	Oct. 28	15.85		

4. James Avery.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 5, T. 8 N., R. 12 W. Records available: 1948-49.

Jan. 8	18.42	Mar. 5	17.84	May 31	16.05	Oct. 28	17.77
Feb. 12	18.22	19	17.89	July 23	16.02	Nov. 30	17.81
19	18.18	Apr. 2	17.69	Aug. 24	16.68	Dec. 31	17.68
26	18.00	14	17.84	Sept. 28	17.40		

5. Owner unknown.  $SW\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 9 N., R. 12 W. Records available: 1948-49.

Jan. 8	15.99	Mar. 5	15.52	Apr. 30	15.54	Sept. 28	16.17
15	15.94	19	15.68	June 22	14.05	Oct. 28	15.85
Feb. 12	15.67	Apr. 2	15.59	July 23	15.10	Nov. 30	15.63
19	15.63	14	15.70	Aug. 24	15.92	Dec. 31	15.42
26	15.57						

6. MacNalley.  $SE\frac{1}{4}S\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 9 N., R. 12 W. Records available: 1948. Measurement discontinued after Feb. 26.

Date	Water level	Date	Water level	Date	Water level
Jan. 8	49.50	Feb. 12	49.57	Feb. 26	49.65
15	49.50	19	49.65		

7. Clark Mooter.  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 21, T. 9 N., R. 12 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	14.58	Feb. 26	14.01	Apr. 14	14.15	Oct. 28	15.57
15	14.54	Mar. 5	14.16	June 22	17.37	Nov. 30	14.31
Feb. 12	14.14	19	14.25	July 23	14.24	Dec. 31	14.08
19	14.21	Apr. 2	14.17	Aug. 24	14.83		

9. MacNalley.  $SE\frac{1}{4}$  sec. 19, T. 9 N., R. 12 W. Records available: 1948-49.

Jan. 8	27.95	Feb. 19	27.91	Mar. 19	28.09	June 22	27.31
15	27.92	26	27.89	Apr. 4	27.96	July 23	27.40
Feb. 12	27.88	Mar. 5	27.83	14	28.43	Aug. 24	27.45

10. Joe Dees.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 36, T. 9 N., R. 13 W. Records available: 1948-49.

Jan. 8	24.86	Mar. 5	24.79	May 31	24.23	Sept. 28	23.93
15	24.84	19	24.91	June 21	23.45	Oct. 28	24.15
Feb. 12	24.97	Apr. 7	24.74	July 24	23.21	Nov. 30	24.23
19	24.86	14	24.78	Aug. 24	23.53	Dec. 31	24.30
26	24.82	30	24.78				

11. Indian Land. Ed S. Prather, tenant.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 11, T. 8 N., R. 12 W. Records available: 1948-49.

11--Continued.

Lowest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	54.03	54.29	54.18	54.32	54.36	54.22	54.35	54.05	.....	54.00	53.95	.....
2	53.74	54.24	54.27	54.25	54.40	54.29	54.31	54.13	.....	53.94	54.10	.....
3	54.30	54.03	54.23	54.36	54.34	54.45	54.22	54.11	.....	53.98	54.09	.....
4	54.33	54.10	54.33	54.36	54.31	54.41	54.19	54.12	.....	53.99	53.98	.....
5	54.25	54.03	54.04	54.27	54.34	54.38	54.20	54.11	.....	53.93	54.14	.....
6	54.31	54.20	54.41	54.26	54.37	54.28	54.22	54.11	.....	53.78	54.09	.....
7	54.16	54.12	54.41	54.28	54.35	54.24	54.18	54.10	.....	53.94	54.09	54.04
8	54.06	54.19	54.02	54.15	54.28	54.30	54.23	54.02	.....	53.99	53.76	54.04
9	54.42	54.27	54.39	54.22	54.43	54.37	54.32	54.02	.....	53.96	53.80	.....
10	54.42	54.42	54.39	54.44	54.47	54.37	54.27	54.06	.....	53.90	53.80	.....
11	54.32	54.05	54.22	54.44	54.38	54.26	54.19	54.10	.....	54.05	53.85	.....
12	54.24	54.16	54.23	54.19	.....	54.15	54.16	54.05	.....	54.09	54.09	53.85
13	54.03	54.35	54.38	54.09	.....	54.19	54.18	53.98	54.16	54.00	54.07	53.96
14	53.97	54.11	54.34	54.54	.....	54.34	54.15	54.03	54.03	54.03	53.92	.....
15	54.12	54.20	54.48	54.56	.....	54.37	54.21	54.05	54.00	53.98	54.01	.....
16	54.46	54.43	54.20	54.36	.....	54.24	54.16	54.10	53.92	53.85	54.13	.....
17	54.40	54.40	54.37	54.32	.....	54.22	54.03	54.05	53.89	53.95	54.11	.....
18	54.34	54.07	54.47	54.38	.....	54.36	54.15	53.96	54.08	53.92	54.07	.....
19	54.52	54.21	54.27	54.39	.....	54.34	54.17	54.03	54.12	53.89	53.88	.....
20	54.26	54.37	54.08	54.31	.....	54.20	54.08	54.14	54.02	53.88	54.16	.....
21	54.16	54.29	54.31	54.27	.....	54.26	54.13	54.13	53.98	54.14	54.33	54.20
22	54.16	54.27	54.37	54.30	.....	54.26	54.21	54.04	54.01	54.19	54.12	53.90
23	54.11	54.06	54.10	54.36	.....	54.17	54.17	53.99	54.08	54.00	53.90	.....
24	54.36	54.26	54.24	54.29	.....	54.07	54.14	54.03	54.01	54.04	54.01	54.20
25	54.36	54.27	54.32	54.28	.....	54.21	54.11	54.06	53.94	54.00	54.08	54.20
26	54.19	54.11	54.25	54.28	54.34	54.28	54.09	.....	53.99	54.06	53.93	54.15
27	54.03	54.39	54.51	54.37	54.32	54.26	54.13	.....	54.00	53.97	53.96	53.98
28	54.58	54.39	54.17	54.33	54.24	54.33	54.15	.....	54.04	54.00	53.86	.....
29	54.67	.....	54.26	54.24	54.23	54.29	54.13	.....	54.09	53.95	54.12	.....
30	54.28	.....	54.32	54.07	54.24	54.32	54.17	.....	54.03	54.18	54.15	.....
31	54.18	54.41	.....	54.23	.....	54.13	.....	.....	.....	54.18	54.00	.....

a Tape measurement.

12. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, T. 7 N., R. 12 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	20.99	Feb. 26	20.77	Apr. 14	20.61	Sept. 28	20.21
15	20.97	Mar. 5	20.91	May 31	19.22	Oct. 28	20.32
Feb. 5	19.93	19	20.71	June 21	18.50	Nov. 30	20.23
12	20.98	26	20.56	July 23	18.81	Dec. 31	20.15
19	20.82	Apr. 2	20.54	Aug. 24	19.65		

14. U. S. Geol. Survey. SE. corner sec. 28, T. 9 N., R. 13 W. Records available: 1948-49.

Lowest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.45	.....	.....	36.76	.....	36.22	.....	34.71	34.90	34.98	35.15	35.40
2	36.23	.....	37.57	36.73	.....	36.19	.....	34.76	34.83	34.96	35.20	35.40
3	36.50	.....	.....	.....	.....	36.26	.....	34.73	34.84	34.98	35.20	35.41
4	36.55	.....	.....	.....	.....	36.16	.....	34.78	34.86	34.98	35.19	35.47
5	36.56	36.47	36.48	.....	.....	36.10	34.97	34.73	34.87	34.95	35.22	35.41
6	36.60	.....	.....	36.74	.....	35.99	35.01	34.73	34.87	34.90	35.22	35.28
7	36.35	.....	.....	36.75	36.81	35.95	34.97	34.73	34.89	34.94	35.16	35.36
8	36.58	.....	.....	36.72	36.83	35.99	34.99	34.72	34.90	35.00	35.10	35.36
9	36.62	.....	.....	36.73	36.92	35.94	34.99	.....	34.91	35.00	35.08	35.34
10	36.61	.....	.....	.....	36.92	35.93	34.96	34.76	34.86	.....	35.08	35.20
11	36.59	.....	.....	.....	36.78	35.84	34.90	34.76	34.83	35.04	35.20	35.36
12	36.55	36.53	37.67	36.72	36.82	35.77	34.88	34.75	34.95	35.07	35.24	.....
13	36.45	36.56	37.73	36.65	36.78	.....	34.88	34.71	34.98	35.04	35.25	35.47
14	36.40	36.52	37.74	.....	36.78	.....	34.85	34.76	34.92	35.07	35.22	35.48
15	36.54	36.54	.....	36.91	36.77	.....	34.86	34.75	34.93	35.06	35.28	35.47
16	36.63	36.69	.....	.....	36.75	.....	34.83	34.77	34.89	35.00	35.32	35.37

a Tape measurement.



14--Continued.

Lowest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
17	36.62	36.69	.....	.....	.....	.....	34.78	34.77	34.88	35.03	35.32	35.35
18	36.60	36.57	.....	.....	.....	.....	34.80	34.74	34.98	35.02	35.29	35.39
19	36.62	36.53	36.71	.....	.....	.....	34.82	34.79	35.00	35.04	35.20	35.38
20	36.54	.....	.....	.....	.....	.....	34.76	34.84	34.95	35.04	35.32	35.35
21	36.52	.....	36.73	.....	.....	.....	34.77	34.84	34.94	35.09	35.41	35.43
22	36.50	.....	36.75	.....	.....	.....	34.82	34.82	34.95	35.20	35.34	35.51
23	36.56	.....	36.62	36.82	35.10	.....	34.80	34.79	34.99	35.13	35.19	35.50
24	36.64	.....	36.72	.....	.....	.....	34.77	34.80	34.95	35.18	35.28	.....
25	36.65	.....	36.76	.....	35.00	.....	34.75	34.80	34.92	35.18	35.29	35.50
26	36.58	.....	36.69	.....	34.90	.....	34.72	34.80	34.93	35.20	35.20	35.50
27	36.60	.....	36.72	.....	34.81	.....	34.72	34.82	34.96	35.17	35.19	35.52
28	36.66	.....	36.68	.....	34.79	35.21	34.72	34.82	34.99	35.17	35.22	35.52
29	36.65	.....	36.71	.....	.....	.....	34.72	34.84	35.00	35.13	35.34	.....
30	.....	.....	36.74	36.69	.....	35.10	34.78	.....	34.99	35.22	35.34	.....
31	.....	.....	36.81	.....	36.23	.....	34.76	34.89	.....	35.23	.....	35.49

a Tape measurement.

15. Owner unknown. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 7 N., R. 12 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	19.72	Mar. 5	19.68	May 31	17.06	Sept. 28	17.77
15	19.77	19	19.65	June 21	15.52	Oct. 28	18.16
Feb. 12	19.84	26	19.60	July 23	16.15	Nov. 30	18.35
19	19.77	Apr. 2	19.59	Aug. 25	17.15	Dec. 31	18.47
26	19.71	14	19.56				

16. Joe Dees. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T. 9 N., R. 12 W. Records available: 1948-49.

Jan. 8	27.78	Mar. 5	26.65	May 31	25.63	Sept. 28	27.53
15	27.69	19	26.61	June 21	24.78	Oct. 28	27.75
Feb. 12	27.08	Apr. 2	25.26	July 24	25.88	Nov. 30	27.47
19	26.82	14	26.43	Aug. 24	26.83	Dec. 31	27.17
26	26.74						

17. Virgil A. Goodwin. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 27, T. 9 N., R. 13 W. Records available: 1948-49.

Jan. 7	30.41	Feb. 26	30.52	Apr. 14	30.76	Oct. 28	31.00
15	30.44	Mar. 5	30.48	May 31	30.75	Nov. 30	30.55
Feb. 12	29.28	19	30.68	June 21	30.58	Dec. 31	30.35
19	30.54	Apr. 2	30.64				

18. Neil Horn. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 33, T. 9 N., R. 13 W. Records available: 1948-49.

Jan. 7	36.26	Feb. 19	36.13	Apr. 14	35.54	June 21	35.74
15	36.43	26	36.06	30	35.98	July 24	59.91
24	36.29	Mar. 5	36.04	May 31	35.95	Nov. 30	37.59
Feb. 5	36.15	19	36.08	June 7	35.85	Dec. 31	36.17
12	36.13	Apr. 2	35.94				

19. Westidge. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 24, T. 9 N., R. 13 W. Drilled domestic well, diameter 6 inches, depth 24.5 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

Jan. 8	14.83	Feb. 26	14.19	Apr. 14	14.30	Sept. 28	15.05
15	14.30	Mar. 5	14.61	June 22	12.06	Oct. 28	15.30
Feb. 12	14.20	19	14.34	July 24	13.34	Nov. 30	14.65
19	14.19	Apr. 2	14.25	Aug. 24	14.40	Dec. 31	14.34

23. Cox. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 10 N., R. 12 W. Drilled irrigation well, diameter 16 inches, depth 360 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949. Dec. 31, 113.80.

26. Dave Tackett. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 9 N., R. 11 W. Drilled domestic well, diameter 6 inches, depth 81 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	51.58	Apr. 14	51.92	Sept. 28	51.12	Nov. 30	51.16
19	51.99	June 22	51.60	Oct. 28	51.05	Dec. 31	51.53
Apr. 2	51.85	Aug. 25	51.23				

31. Unknown. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, T. 9 N., R. 13 W. Drilled observation well, diameter 12 inches, depth 109 feet, on flat upland. Aquifer, Rush Springs sandstone. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level
Apr. 14	61.83	Oct. 28	61.87	Dec. 31	61.70
Sept. 28	61.99	Nov. 30	61.78		

33. L. E. Hall. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 8 N., R. 12 W. Drilled well, diameter 5 inches, depth 20 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

Aug. 24	24.73	Oct. 28	25.09	Dec. 31	24.56
Sept. 28	25.16	Nov. 30	24.80		

35. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, T. 8 N., R. 12 W. Drilled well, diameter 1 $\frac{1}{2}$  inches, depth 50 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 11	8.99	July 23	10.01	Sept. 28	10.75	Nov. 30	9.33
June 23	8.32	Aug. 24	10.68	Oct. 28	9.90	Dec. 31	8.76

37. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T. 8 N., R. 12 W. Drilled well, diameter 1 $\frac{1}{2}$  inches, depth 80 feet, on upland flat. Aquifer, Rush Springs sandstone. Records available: 1949.

May 11	18.78	July 24	18.14	Sept. 28	18.23	Nov. 30	18.42
June 23	18.06	Aug. 24	18.11	Oct. 28	18.31	Dec. 31	18.50

38. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T. 8 N., R. 12 W. Drilled well, diameter 1 $\frac{1}{2}$  inches, depth 70 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

May 11	14.68	July 24	13.11	Sept. 28	14.26	Nov. 30	14.73
June 23	12.85	Aug. 24	13.67	Oct. 28	14.48	Dec. 31	14.61

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 well, diameter 1 $\frac{1}{2}$  inches, depth 70 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

May 11	21.69	July 23	21.29	Sept. 28	23.26	Nov. 30	23.46
June 23	20.07	Aug. 24	22.50	Oct. 28	23.47	Dec. 31	23.40

40. U. S. Geol. Survey. SW. corner NW $\frac{1}{4}$  sec. 26, T. 8 N., R. 12 W. Drilled well, diameter 1 $\frac{1}{2}$  inches, depth 60 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

May 11	25.53	July 23	25.54	Sept. 28	25.03	Nov. 30	25.43
June 23	24.85	Aug. 24	25.05	Oct. 28	25.30		

41. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 8 N., R. 12 W. Drilled well, diameter 1 $\frac{1}{2}$  inches, depth 80 feet, on gently rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949.

May 11	23.53	Aug. 24	22.09	Oct. 28	23.08	Dec. 31	23.42
July 23	21.53	Sept. 28	22.77	Nov. 30	23.43		

42. Roy Shoop. SW $\frac{1}{4}$  sec. 22; T. 11 N., R. 13 W. Drilled well, diameter 8 inches, depth 123 feet, in area of slightly rolling topography. Equipped with automatic water-stage recorder from July 28 to Nov. 8. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15	a 60.78	Aug. 21	60.62	Sept. 7	60.56	Oct. 8	60.60
Apr. 9	a 60.60	22	60.53	8	60.60	9	60.60
June 22	a 60.79	23	60.47	14	60.56	10	60.53
July 28	a 60.60	24	60.51	15	60.57	11	60.69
29	60.63	25	60.55	19	60.76	12	60.75
30	60.71	26	60.49	20	60.63	13	60.70
31	60.67	27	60.54	21	60.63	14	60.75
Aug. 1	60.57	28	60.59	22	60.66	15	60.69
2	60.63	29	60.56	23	60.75	16	60.53
3	60.63	30	60.59	24	60.66	17	60.60
4	60.65	31	60.64	25	60.56	18	60.56
5	60.63	Sept. 1	60.68	26	60.59	19	60.55
6	60.61	2	60.54	27	60.59	28	60.69
7	60.59	3	60.45	28	60.64	29	60.60
12	a 60.43	4	60.51	29	60.68	Nov. 6	a 60.90
19	60.49	5	60.55	Oct. 6	a 60.26	7	60.74
20	60.62	6	60.55	7	60.44	Dec. 31	a 60.78

a Tape measurement.

43. Lloyd Rader. NE. corner sec. 33, T. 10 N., R. 11 W. Drilled well, diameter 6 inches, depth 78 feet, on bottom of shallow draw. Aquifer, Rush Springs sandstone. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level
Aug. 25	38.25	Oct. 28	38.50	Dec. 31	38.46
Sept. 28	38.43	Nov. 30	38.46		

44. J. W. Dees. Center NE $\frac{1}{4}$  sec. 36, T. 9 N., R. 13 W. Drilled irrigation well, diameter 10 inches, depth 215 feet, on flat rolling upland. Aquifer, Rush Springs sandstone. Records available: 1949. Sept. 8, 25.56; Sept. 28, 25.37; Oct. 28, 25.37; Nov. 30, 25.56.

45. Pauline Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, T. 8 N., R. 13 W. Drilled irrigation well, diameter 7 inches, depth 250 feet, on flat upland. Aquifer, Rush Springs sandstone. Records available: 1949. Oct. 6, 25.98; Oct. 28, 26.09; Nov. 30, 26.19; Dec. 31, 26.20.

#### Canadian County

RFC 1. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 12 N., R. 5 W. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	5.64	May 23	7.00	Aug. 31	6.30	Oct. 25	5.40
Mar. 28	5.62	June 26	1.62	Sept. 21	6.25	Nov. 25	6.00
Apr. 29	5.79	July 27	4.28	29	6.71	Dec. 29	5.49
May 10	4.69						

2. Oklahoma City Water Department. NW $\frac{1}{4}$  sec. 33, T. 13 N., R. 7 W. Records available: 1939-49. May 10, 8.78; May 23, 5.55; Sept. 21, 8.87.

RFC 3. U. S. Geol. Survey. SW. corner sec. 1, T. 13 N., R. 9 W. Records available: 1946-49. May 10, 3.96; May 23, 0.67; Sept. 22, 4.72.

RFC 4. U. S. Geol. Survey. NE. corner sec. 17, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 1.36; Sept. 22, 4.18.

10. Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, T. 13 N., R. 9 W. Records available: 1941-49. May 25, 20.16; Sept. 22, 25.10.

13. Owner unknown. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 13 N., R. 9 W. Records available: 1941-49. May 25, 2.17; Sept. 22, 7.93.

82. Ryba Jacob. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, T. 12 N., R. 6 W. Records available: 1941-49. May 23, 23.50; Sept. 21, 21.89.

85. W. L. Towe. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, T. 12 N., R. 5 W. Records available: 1941-49. May 23, 10.00; Sept. 21, 11.69.

151. Canadian County. NW. corner SW $\frac{1}{4}$  sec. 20, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 12.54; Sept. 22, 11.91.

G1. U. S. Geol. Survey. SW. corner sec. 29, T. 13 N., R. 7 W. Records available: 1942-49. May 25, 19.25.

G3. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 34, T. 13 N., R. 7 W. Records available: 1942-49. No measurements made in 1949.

G4. U. S. Geol. Survey. NE. corner sec. 8, T. 13 N., R. 9 W. Records available: 1947-49. May 25, 11.39; Sept. 22, 11.30.

G5. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, T. 12 N., R. 6 W. Records available: 1942-49. May 23, 1.85.

G6. U. S. Geological Survey. SE. corner sec. 8, T. 12 N., R. 5 W. Records available: 1942-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	9.88	May 23	7.60	Sept. 21	9.13	Nov. 25	9.15
Mar. 28	8.92	June 26	7.28	29	9.21	Dec. 29	9.41
May 10	10.51	July 27	8.28	Oct. 25	8.60		

G7. U. S. Geol. Survey. NW. corner SW $\frac{1}{4}$  sec. 21, T. 13 N., R. 7 W. Records available: 1942-49. May 23, 15.64; Sept. 22, 15.33.

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. Records available: 1942-49. May 23, 15.09; Sept. 22, 14.03.

G11. U. S. Geol. Survey. SW. corner sec. 8, T. 14 N., R. 10 W. Records available: 1942-49. May 10, 3.23; May 25, 0.75; Sept. 22, 4.69.

G12. U. S. Geol. Survey. SW. corner sec. 17, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 1.87; Sept. 22, 5.57.

G13. U. S. Geol. Survey. SW. corner sec. 14, T. 14 N., R. 10 W. Records available: 1942-49. Sept. 22, 6.71.

G14. U. S. Geol. Survey. 500 feet east of NW. corner sec. 25, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 14.84; Sept. 22, 15.08.

G16. U. S. Geol. Survey. SE. corner SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T. 14 N., R. 9 W. Records available: 1942-49. May 25, 15.52; Sept. 22, 16.30.

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. Records available: 1942-49. May 25, 9.43; Sept. 22, 10.16.

G18. U. S. Geol. Survey. NW. corner sec. 11, T. 13 N., R. 9 W. Records available: 1942-49. May 23, 18.65.

G20. U. S. Geol. Survey. NW. corner SW $\frac{1}{4}$  sec. 12, T. 12 N., R. 6 W. Records available: 1942-49. May 23, 7.00.

G22. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 12 N., R. 6 W. Records available: 1942-48. Measurements discontinued.

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. Records available: 1942-49. May 23, 4.90; Sept. 21, 6.40.

G25. U. S. Geol. Survey. SW. corner sec. 15, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 9.66. Measurements discontinued after May 25.

G27. U. S. Geol. Survey. SW. corner NW $\frac{1}{4}$  sec. 36, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 0.25; Sept. 22, 5.48.

G28. U. S. Geol. Survey. SE. corner sec. 23, T. 13 N., R. 8 W. Records available: 1942-49. May 23, 15.90.

G29. U. S. Geol. Survey. SW. corner SE $\frac{1}{4}$  sec. 10, T. 13 N., R. 8 W. Records available: 1942-49. May 23, 1.48; Sept. 22, 8.77.

G30. U. S. Geol. Survey. SW. corner sec. 36, T. 14 N., R. 9 W. Records available: 1942-47, 1949. May 23, 4.21; Sept. 22, 8.70.

G32. U. S. Geol. Survey. NE. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 13 N., R. 8 W. Records available: 1942-49. May 23, 2.93; Sept. 22, 6.18.

G34. U. S. Geol. Survey. SW. corner sec. 32, T. 13 N., R. 7 W. Records available: 1942-49. May 23, 10.50; Sept. 23, 12.40.

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. Records available: 1942-49. May 25, 6.97.

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. Records available: 1942-49. May 23, 5.59; Sept. 21, 6.20.

G41. U. S. Geol. Survey. 150 feet north of SW corner sec. 4, T. 13 N., R. 8 W. Records available: 1942-49. May 23, 2.95; Sept. 22, 5.84.

G42. U. S. Geol. Survey. SE. corner SW $\frac{1}{4}$  sec. 22, T. 13 N., R. 8 W. Records available: 1942-48. No measurement made in 1949.

G44. U. S. Geol. Survey. NW. corner sec. 28, T. 14 N., R. 10 W. Records available: 1942-49. May 25, 10.02; Sept. 22, 12.68.

G45. U. S. Geol. Survey. NW. corner sec. 21, T. 13 N., R. 8 W. Records available: 1942-49. May 23, 4.00; Sept. 22, 9.61.

G46. U. S. Geol. Survey. NE. corner sec. 29, T. 13 N., R. 8 W. Records available: 1942-49. May 23, 15.00; Sept. 22, 15.19.

G48. U. S. Geol. Survey. SE. corner sec. 3, T. 12 N., R. 7 W. Records available: 1942-48. Measurements discontinued.

G49. U. S. Geol. Survey. NE. corner SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T. 12 N., R. 7 W. Records available: 1942-49. May 23, 19.10; Sept. 21, 17.95.

G50. U. S. Geol. Survey. SE. corner sec. 1, T. 12 N., R. 7 W. Records available: 1942-49. May 23, 17.17; Sept. 21, 17.10.

G52a. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 12 N., R. 5 W. Records available: G52, 1942-46; G52a, 1947-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	6.78	Apr. 29	5.35	Aug. 31	5.80	Oct. 25	5.00
Feb. 28	5.14	May 10	6.49	Sept. 21	5.84	Nov. 25	6.10
Mar. 28	5.35	23	1.68	29	6.18	Dec. 29	5.96

G53. U. S. Geol. Survey. SW $\frac{1}{4}$  sec. 3, T. 10 N., R. 7 W. Records available: 1946-49.

Feb. 1	8.31	May 24	6.38	Aug. 23	7.73	Nov. 25	7.28
28	8.14	June 30	5.11	Sept. 23	7.51	Dec. 31	7.04
Mar. 26	7.59	July 24	6.86	Oct. 31	7.22		

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. Records available: 1939-49. May 16, 162.47.

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. Records available: 1946-49. May 16, 4.18.

224. Walter R. Wood. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, T. 3 N., R. 1 E. Records available: 1938-49. May 16, 130.34.

237. Central Life Assurance Society. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, T. 3 N., R. 1 E. Records available: 1939-49. May 16, 54.40.

262. H. W. and Z. B. Stone. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, T. 3 N., R. 4 E. Records available: 1938-43, 1946-49. May 16, 180.00. Measurements discontinued after May 16, 1949.

263. John Ohnick, Jr. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 15, T. 3 N., R. 4 E. Records available: 1938-49. May 16, 120.24.

275. O. A. Showalter. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, T. 3 N., R. 5 E. Records available: 1939-49. May 16, 146.91.

276. Atchison, Topeka & Santa Fe Railroad. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, T. 3 N., R. 5 E. Records available: 1938-49. May 16, 133.86.

313. E. J. Behrendt. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 3 N., R. 7 E. Records available: 1938-49. May 17, 41.25.

435. B. J. Wiggins. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 4 N., R. 8 E. Records available: 1938-49. May 15, 136.00.

436. Mrs. S. C. Cantrell. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 32, T. 4 N., R. 8 E. Records available: 1938-49. May 17, 149.80.

516. State of Oklahoma. SE $\frac{1}{4}$  sec. 34, T. 5 N., R. 5 E. Records available: 1939-49. May 16, 8.18.

610. A. S. Parker. NW $\frac{1}{4}$  sec. 21, T. 6 N., R. 5 E. Records available: 1938-49. May 16, 29.51.

660. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 5 N., R. 5 E. Records available: 1946-49. May 16, 4.49.

Cleveland County

1. Mrs. Elizabeth E. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 10 N., R. 3 W. Records available: 1939-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	10.08	Apr. 21	6.87	July 14	5.87	Oct. 10	7.80
13	10.15	28	7.11	22	5.93	17	7.97
Feb. 1	9.26	May 5	6.76	28	6.61	24	7.58
10	6.53	12	7.12	Aug. 5	6.92	31	7.38
17	6.71	19	3.44	15	7.06	Nov. 7	7.59
24	5.74	26	4.20	22	7.20	14	7.78
Mar. 3	5.23	June 2	5.16	29	7.43	21	8.08
10	5.49	9	4.26	Sept. 5	7.22	28	7.93
17	5.83	17	4.32	12	7.06	Dec. 5	8.25
24	5.65	23	4.80	19	7.15	12	7.95
31	5.91	30	4.73	26	7.52	19	8.11
Apr. 7	6.30	July 7	5.37	Oct. 3	7.74	27	8.09
14	6.42						

4. City of Norman. In Norman, 93 feet north of center of Dawn Street, 150 feet west of Santa Fe Avenue, in city park. Records available: 1942-49.

Date	Water level	Date.	Water level	Date	Water level	Date	Water level
Jan. 6	311.23	Apr. 14	310.72	July 8	289.47	Oct. 10	315.14
13	310.70	21	311.02	15	292.71	17	313.99
Feb. 3	311.42	28	310.27	21	322.12	24	312.52
10	310.46	May 5	310.65	29	321.60	31	304.62
17	310.32	14	302.44	Aug. 5	326.40	Nov. 7	294.98
24	310.57	19	294.84	15	315.53	14	291.33
Mar. 3	310.45	26	289.19	22	310.61	21	290.71
10	310.65	June 2	295.37	29	313.94	28	286.75
17	310.72	9	287.47	Sept. 6	312.02	Dec. 5	282.79
24	310.67	17	288.50	19	311.68	12	280.33
31	310.97	24	288.66	26	320.16	19	278.94
Apr. 7	310.86	29	288.97	Oct. 3	324.71	27	277.97

5. F. W. Goldsby. NW. corner SE $\frac{1}{4}$  sec. 30, T. 9 N., R. 1 W. Records available: 1942-49.

Lowest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	145.56	144.75	143.93	143.46	143.31	.....
2	145.29	144.75	.....	.....	143.36	142.77
3	145.40	144.64	.....	.....	143.34	142.77
4	145.47	144.60	143.70	.....	143.31	142.76
5	145.51	144.59	.....	143.42	143.32	.....
6	145.55	144.60	.....	.....	143.32	.....
7	145.53	144.60	.....	.....	143.28	.....
8	145.36	144.56	.....	a143.49	143.21	.....
9	145.57	144.56	.....	.....	143.28	.....
10	145.59	144.63	.....	.....	143.34	142.38
11	145.59	144.53	a143.73	.....	143.32	142.25
12	145.54	144.39	143.66	.....	143.34	142.16
13	145.43	144.39	143.69	.....	143.30	142.09
14	.....	.....	143.77	143.60	143.27	142.12
15	.....	.....	143.81	143.62	143.22	142.15
16	.....	.....	143.81	143.60	143.22	142.12
17	.....	.....	143.64	143.53	143.19	142.09
18	.....	144.25	143.68	143.59	143.01	142.14
19	.....	144.19	143.68	143.60	a142.98	142.15
20	a145.15	144.28	143.68	143.58	a142.94	142.11
21	145.17	144.28	143.49	143.56	142.92	142.14
22	145.17	144.22	143.50	143.56	142.98	142.16
23	145.10	144.17	143.50	143.61	142.96	142.14
24	145.09	.....	a143.45	143.59	142.98	.....
25	145.11	.....	143.49	143.60	142.93	.....
26	144.98	.....	143.45	143.54	142.84	.....
27	144.81	.....	.....	.....	142.77	.....
28	144.93	a143.93	.....	143.54	142.77	.....
29	145.00	.....	.....	143.43	142.77	.....
30	144.93	.....	.....	143.33	142.73	a142.28
31	144.69	.....	a143.46	.....	.....	.....

a Tape measurement.

Lowest daily water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	142.31	143.22	144.70	a145.20	145.21	145.04
2	142.35	143.27	144.66	.....	145.23	145.04
3	142.32	143.35	144.61	a145.19	145.23	145.00
4	142.32	143.42	144.67	.....	145.18	145.07
5	142.32	143.47	144.72	.....	145.22	145.06
6	142.33	143.52	144.75	.....	145.22	144.86
7	142.34	143.57	144.80	.....	145.15	144.95
8	142.41	143.57	144.84	.....	145.04	144.96
9	142.48	143.61	144.86	.....	144.96	144.91
10	142.50	143.65	144.85	a145.14	144.93	144.72

a Tape measurement.

5--Continued.

Lowest daily water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	142.48	143.72	144.80	145.28	144.88	144.81
12	142.45	143.72	144.95	145.32	145.01	144.88
13	142.47	143.75	144.99	.....	145.05	144.90
14	142.48	143.80	144.98	145.34	145.00	144.90
15	142.52	143.87	144.96	145.36	145.05	144.89
16	142.53	143.94	144.92	145.33	145.16	144.79
17	142.52	143.99	144.88	145.32	145.16	144.67
18	142.59	144.02	145.00	145.33	145.13	144.63
19	142.65	144.10	145.09	145.30	145.05	144.63
20	142.67	144.23	145.07	145.27	145.11	144.58
21	142.74	144.30	145.06	145.41	145.18	144.57
22	142.84	144.32	145.10	145.42	145.16	144.64
23	142.89	144.33	145.13	145.41	144.97	144.65
24	142.94	144.37	145.13	145.55	144.96	144.65
25	142.95	144.41	145.10	145.31	145.00	144.53
26	142.97	144.42	145.10	145.32	144.91	144.55
27	143.04	144.48	145.12	145.29	144.83	144.59
28	143.09	144.52	145.14	145.26	144.83	144.59
29	143.15	144.57	145.20	145.21	145.00	144.55
30	143.16	144.59	145.20	145.25	145.02	144.51
31	143.20	144.61		145.29		144.48

a 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. Records available: 1943-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	118.50	May 5	119.28	July 29	115.19	Oct. 17	115.59
13	118.68	14	115.12	Aug. 5	115.45	24	115.54
Feb. 1	118.14	26	115.28	15	115.40	31	115.58
Mar. 3	116.24	June 2	124.65	22	115.45	Nov. 7	115.40
10	116.53	9	116.03	29	115.52	14	115.38
17	116.77	16	120.54	Sept. 6	115.57	21	115.59
24	117.16	24	120.39	12	115.52	28	115.25
31	119.48	29	118.88	19	115.59	Dec. 5	115.38
Apr. 7	118.98	July 8	116.56	26	115.60	12	115.47
21	115.40	15	115.07	Oct. 3	115.60	19	115.30
28	115.62	21	115.22	10	115.50	27	115.42

8. Town of Noble.  $SE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$  sec. 27, T. 8 N., R. 2 W. In southeast corner of town garage at water tower, 57 feet south of Noble public-supply well. Records available: 1943-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	203.02	Apr. 14	196.89	July 15	205.87	Oct. 10	183.56
13	198.02	21	203.32	21	208.30	17	185.10
Feb. 1	206.08	May 5	202.29	28	208.49	24	192.19
10	202.84	14	202.40	Aug. 5	202.87	31	192.06
17	202.36	19	197.54	15	207.04	Nov. 7	201.99
24	202.08	26	191.60	22	208.15	14	201.69
Mar. 3	203.35	June 2	206.42	29	197.73	21	201.20
10	202.67	9	202.89	Sept. 6	198.67	28	200.94
17	202.82	16	202.86	12	205.20	Dec. 5	202.89
24	203.29	24	202.82	19	204.67	12	202.90
31	201.63	29	205.47	26	205.52	19	202.16
Apr. 7	202.53	July 8	201.22	Oct. 3	204.30	27	201.79

9. E. G. Johnson.  $SW\frac{1}{4}SE\frac{1}{4}$  sec. 25, T. 9 N., R. 3 W. Records available: 1943-48. Measurement discontinued.10. University of Oklahoma.  $SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 31, T. 9 N., R. 2 W., east of fieldhouse. Records available: 1944-49.



## 10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	282.56	Apr. 14	281.87	July 8	302.79	Oct. 10	278.72
13	281.03	21	282.81	15	279.23	17	278.46
Feb. 3	282.12	28	283.08	21	279.38	31	277.73
10	281.84	May 5	283.29	29	275.49	Nov. 7	276.62
17	281.70	14	284.07	Aug. 5	286.00	14	275.37
24	281.78	19	271.13	15	277.37	21	275.13
Mar. 3	281.84	26	267.00	22	275.98	28	273.44
10	281.94	June 2	275.88	29	276.36	Dec. 5	273.01
17	282.00	9	272.92	Sept. 6	273.70	12	271.32
24	281.98	17	273.16	19	276.42	19	269.75
31	281.87	24	273.09	26	278.97	27	267.67
Apr. 7	281.91	29	272.72	Oct. 3	280.10		

11. Mid-Continent Petroleum Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 10 N., R. 3 W. Records available: 1944-49.

Jan. 6	179.18	Apr. 21	178.78	July 28	179.40	Oct. 17	179.50
13	179.10	28	179.44	Aug. 5	179.48	24	179.40
Feb. 1	178.69	May 12	179.74	15	179.45	31	179.39
10	178.43	26	178.99	22	179.60	Nov. 7	179.29
17	178.60	June 2	178.90	29	179.56	14	179.28
24	178.46	9	178.97	Sept. 5	179.40	21	179.53
Mar. 10	176.64	17	178.78	12	179.40	28	179.20
17	176.74	23	179.00	19	179.54	Dec. 5	179.48
24	177.99	30	179.23	26	179.41	12	179.39
31	178.74	July 7	179.02	Oct. 3	179.48	19	179.24
Apr. 7	179.17	14	179.13	10	179.37	27	179.41
14	179.23	22	179.29				

12. Dave Price. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 9 N., R. 3 W. Records available: 1945-49.

Jan. 6	153.01	May 19	179.19	Aug. 15	153.56	Oct. 24	154.32
Mar. 10	153.15	June 2	152.25	22	153.78	31	154.36
17	152.34	9	152.86	29	153.83	Nov. 7	154.35
24	152.47	17	152.76	Sept. 5	153.84	14	154.38
31	153.19	23	152.91	12	153.87	21	154.68
Apr. 7	162.61	30	152.71	19	154.11	28	154.37
14	162.05	July 7	151.89	26	154.09	Dec. 5	154.67
21	152.69	14	153.10	Oct. 3	154.16	12	154.73
28	153.01	22	153.25	10	154.12	19	154.64
May 5	153.15	28	153.11	17	154.32	27	154.66
14	153.24	Aug. 5	153.49				

## 14. U. S. Geol. Survey. NE corner sec. 29, T. 9 N., R. 3 W. Records available: 1946-49.

Jan. 6	8.61	Apr. 21	6.29	July 14	4.98	Oct. 10	7.53
13	8.39	28	6.48	22	5.05	17	7.74
Feb. 1	7.81	May 5	6.02	28	5.52	24	7.40
10	5.98	14	6.11	Aug. 5	5.95	31	7.47
17	6.19	19	3.27	15	6.16	Nov. 7	7.49
24	6.00	26	2.12	22	6.43	14	7.63
Mar. 3	6.09	June 2	5.08	29	6.69	21	7.71
10	6.73	9	4.78	Sept. 5	6.74	28	7.64
17	6.14	17	4.81	12	6.84	Dec. 5	7.63
24	6.08	24	4.84	19	6.92	12	7.69
31	6.12	30	4.54	26	7.01	19	7.62
Apr. 7	6.17	July 7	4.48	Oct. 3	7.33	27	7.34
14	6.23						

15. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, T. 6 N., R. 1 W. Records available: 1947-49.

## 15--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	8.36	Apr. 28	5.46	June 29	5.54	Sept. 26	8.46
Mar. 24	4.55	May 26	3.10	July 29	5.37	Oct. 31	7.99
31	4.70	31	3.80	Aug. 29	8.56	Dec. 27	8.03
	5.34						

Comanche County

2. Owner unknown. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 2 N., R. 12 W. Records available: 1947-49. Oct. 18, 10.77.

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. Records available: 1946-49. May 17, 9.35; Oct. 29, 10.30.

Ellis County

1. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 18 N., R. 24 W. Records available: 1946-49. May 17, 38.48; Oct. 29, 36.88.

2. Owner unknown. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T. 18 N., R. 24 W. Records available: 1946-49. May 17, 42.77.

4. Owner unknown. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 19 N., R. 25 W. Records available: 1946-49. May 17, 26.77; Oct. 29, 25.46.

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. Records available: 1947-49. May 17, 1.68; Oct. 29, 4.24.

Grady County

3. Simmons. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 4 N., R. 7 W. Records available: 1945-49.

Feb. 25	13.89	May 30	13.19	Aug. 23	15.50	Nov. 29	14.91
Mar. 27	13.92	June 23	13.71	Sept. 27	15.65	Dec. 30	14.70
Apr. 29	14.04	July 23	14.77	Oct. 27	15.29		

7. Owner unknown. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 4 N., R. 7 W. Records available: 1946-49.

Mar. 1	55.48	May 30	55.46	Sept. 27	55.34	Nov. 29	55.42
Mar. 27	56.13	June 23	57.74	Oct. 27	55.28	Dec. 30	55.37
Apr. 29	55.20	July 23	52.20				

8. Owner unknown. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, T. 4 N., R. 7 W. Records available: 1946-49.

Mar. 27	28.71	June 23	29.63	Sept. 27	30.92	Nov. 29	31.82
Apr. 29	31.44	July 23	29.97	Oct. 27	31.58	Dec. 30	32.16
May 30	30.52	Aug. 23	30.33				

11. Owner unknown. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T. 4 N., R. 7 W. Records available: 1946-49.

Mar. 1	6.70	May 30	3.89	Aug. 23	8.85	Nov. 29	10.86
27	6.82	June 23	5.13	Sept. 27	9.09	Dec. 30	11.17
Apr. 29	6.12	July 23	7.15	Oct. 27	10.38		

12. James Howell. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, T. 4 N., R. 8 W. Records available: 1946-49.

Feb. 1	48.44	Apr. 29	48.19	July 23	48.37	Oct. 27	48.52
25	48.29	May 30	48.33	Aug. 23	48.34	Nov. 29	48.70
Mar. 27	48.36	June 23	48.03	Sept. 27	48.41	Dec. 30	48.77

19. Owner unknown. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 4 N., R. 8 W. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 25	28.04	May 30	26.76	Aug. 23	26.72	Nov. 29	28.16
Mar. 27	26.61	June 23	24.52	Sept. 27	27.30	Dec. 30	28.49
Apr. 29	27.08	July 23	26.14	Oct. 27	27.80		

24. W. W. Mobley. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 4 N., R. 7 W. Records available: 1946-49.

Feb. 1	15.74	Apr. 29	11.79	July 23	13.69	Oct. 27	13.96
25	13.77	May 30	10.48	Aug. 23	14.15	Nov. 29	13.76
Mar. 27	12.48	June 23	11.10	Sept. 27	13.80	Dec. 30	14.97

26. G. W. Wade. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 3 N., R. 8 W. Records available: 1946-49.

Mar. 27	11.78	June 23	9.01	Sept. 27	11.96	Nov. 29	12.77
Apr. 29	11.26	July 23	10.12	Oct. 27	12.68	Dec. 30	13.34
May 30	9.24	Aug. 23	11.13				

35. Owner unknown. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, T. 3 N., R. 8 W. Records available: 1946-49.

Feb. 25	55.53	July 23	55.36	Sept. 27	57.35	Nov. 29	55.94
Mar. 27	55.22	Aug. 23	55.64	Oct. 27	57.40	Dec. 30	56.22

36. Henry J. Sweany. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 4 N., R. 8 W. Records available: 1946-49.

Feb. 25	74.75	May 30	75.11	Aug. 23	75.45	Nov. 29	75.90
Mar. 27	75.34	June 23	74.94	Sept. 27	75.50	Dec. 30	75.98
Apr. 29	74.25	July 23	71.76	Oct. 27	75.81		

43. Q. L. Merideth. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T. 4 N., R. 8 W. Records available: 1946-49.

Feb. 25	6.19	May 30	2.54	Aug. 23	4.48	Nov. 29	4.05
Mar. 27	4.30	June 23	3.34	Sept. 27	4.18	Dec. 30	4.00
Apr. 29	4.22	July 23	4.06	Oct. 27	4.09		

66. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 33, T. 4 N., R. 8 W. Records available: 1948-49.

Lowest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.67	80.81	80.79	.....	80.92	.....	a80.85	80.81	80.95	80.96	.....	.....
2	80.45	80.80	80.85	80.84	80.97	.....	.....	80.85	a80.91	80.92	.....	.....
3	80.54	80.69	80.81	80.92	80.97	a81.10	.....	80.86	.....	80.92	a80.95	.....
4	80.54	80.71	80.71	80.93	80.96	81.12	.....	80.87	.....	80.93	.....	.....
5	80.61	80.67	80.67	80.88	81.00	81.10	.....	a80.87	.....	80.89	.....	.....
6	80.64	80.77	80.86	80.94	a80.97	81.04	.....	.....	.....	80.83	.....	.....
7	80.60	80.71	80.86	80.86	80.94	.....	.....	.....	.....	80.87	.....	81.11
8	80.48	80.77	80.62	80.79	80.89	.....	a80.80	.....	.....	.....	.....	81.15
9	80.72	80.87	80.85	80.82	80.98	.....	.....	.....	a80.95	.....	.....	81.10
10	80.72	80.92	80.85	80.92	81.01	a81.08	.....	.....	.....	.....	.....	.....
11	80.69	80.72	80.80	80.92	80.99	.....	.....	a80.80	.....	.....	.....	.....
12	.....	80.72	80.78	80.81	80.99	.....	.....	80.80	.....	.....	.....	.....
13	a80.59	80.81	80.85	80.77	80.94	.....	.....	80.75	.....	.....	.....	81.24
14	.....	80.70	80.87	81.00	80.95	.....	.....	80.77	.....	a81.00	.....	a81.23
15	.....	80.77	a80.95	81.01	80.96	.....	a80.82	80.78	.....	.....	.....	81.19
16	.....	80.93	80.78	80.92	80.95	.....	.....	80.80	a80.92	80.96	.....	81.07
17	.....	80.90	80.81	80.87	80.93	a80.82	.....	80.79	.....	81.00	.....	80.98
18	a80.59	80.75	80.90	80.90	80.96	.....	.....	80.77	.....	80.97	.....	81.04
19	.....	80.80	80.82	80.93	80.97	.....	.....	.....	.....	80.97	.....	81.05
20	.....	80.89	80.69	80.90	80.95	.....	.....	.....	80.93	80.96	.....	81.01
21	.....	80.87	80.76	80.89	80.93	.....	.....	.....	80.97	81.11	.....	.....
22	.....	80.87	a80.80	80.90	81.07	.....	a80.87	.....	81.02	.....	.....	.....
23	.....	80.82	80.71	80.94	81.07	.....	.....	80.86	80.97	81.05	80.93	.....

a Tape measurement.

66--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	.....	80.83	80.76	80.86	81.15	80.70	.....	80.87	80.91	81.06	81.05	81.19
25	80.90	80.92	80.87	80.89	81.10	.....	.....	80.89	80.86	81.03	81.09	81.19
26	80.79	80.74	80.85	80.88	81.02	.....	.....	80.87	80.88	81.05	81.00	81.19
27	80.70	80.89	80.80	80.93	.....	.....	.....	80.87	80.90	81.05	80.93	.....
28	80.96	80.90	80.84	80.94	.....	.....	.....	80.88	80.95	.....	80.99	81.23
29	81.01		80.86	80.79	.....	.....	80.86	80.92	80.98	.....	81.11	81.19
30	80.82		80.95	80.79	.....	.....	80.89	80.92	81.00	.....	.....	81.11
31	80.75		80.90	.....	.....	.....	80.86	80.94	.....	.....	.....	.....

a Tape measurement.

76. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T. 7 N., R. 7 W. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	7.89	May 31	1.00	Aug. 23	5.07	Nov. 30	5.80
Feb. 25	7.04	June 23	2.39	Oct. 27	5.10	Dec. 30	5.88
Apr. 29	7.68	July 23	3.82				

77. W. W. Mobley. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 4 N., R. 7 W. Drilled well, diameter 6 inches, depth 70 feet, on gentle slope. Records available: 1949.

Date	Water level	Date	Water level	Date	Water level
Aug. 23	24.34	Oct. 27	23.29	Dec. 30	24.65
Sept. 23	24.57	Nov. 29	24.62		

Greer County1. Claude Robertson. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, T. 3 N., R. 23 W. Drilled irrigation well, diameter 15.5 inches. Equipped with gasoline-powered turbine pump. Records available: 1949. June 10, 1948, 26.45; Oct. 21, 1949, 24.17.2. Claude Robertson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, T. 3 N., R. 23 W. Drilled irrigation well, diameter 15.5 inches, depth 60 feet. Equipped with 8-inch turbine pump. Records available: 1949. Apr. 15, 25.82; Oct. 21, 24.36.3. Ivan Owen. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, T. 3 N., R. 23 W. Drilled irrigation well, diameter 16 inches reducing to 15.5 inches at 36 feet, depth 105 feet. Equipped with gasoline-powered 10-inch turbine pump. Records available: 1949. Apr. 15, 24.20.6. Earl Thomas. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, T. 4 N., R. 23 W. Drilled irrigation well, diameter 16 inches, depth 155 feet. Equipped with gasoline-powered 8-inch turbine pump. Records available: 1949. Apr. 16, 31.17; Oct. 21, 30.93.7. Sid Burcham. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T. 5 N., R. 23 W. Drilled irrigation well, diameter 15.5 inches, depth 135 feet. Equipped with gasoline-powered 6-inch turbine pump. Irrigates 60 acres. Records available: 1949. Apr. 15, 91.75.11. Ivan Owen. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, T. 3 N., R. 23 W. Drilled observation well, diameter 14.5 inches. Records available: 1949. Oct. 21, 31.00.Harper County1. E. W. Johnson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, T. 26 N., R. 25 W. Records available: 1940-49. May 11, 4.80; Oct. 4, 5.16.Jackson County1. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 2 N., R. 18 W. Records available: 1947-49. Apr. 13, 7.33; Oct. 21, 7.50.

3. Ivan Owen. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, T. 2 N., R. 23 W. Records available: 1948-49. Apr. 14, 27.19; Oct. 20, 25.55.

4. Buddy Bryant. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T. 3 N., R. 23 W. Records available: 1948-49. Apr. 15, 32.85; Oct. 20, 31.05.

5. Otto Yates. S $\frac{1}{2}$ NW $\frac{1}{4}$  sec. 35, T. 3 N., R. 23 W. Records available: 1948-49. Apr. 15, 27.10.

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 well, diameter 16 inches, reducing to 14 inches at 47 feet, depth 100 feet. Equipped with gasoline-powered 8-inch turbine pump. Records available: 1949. Apr. 15, 23.92; Oct. 20, 20.91.

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 well, diameter 16 inches reducing to 15 inches at 32 feet, depth 43 feet. Equipped with gasoline-powered 8-inch turbine pump. Irrigates 20 acres. Records available: 1949. Apr. 15, 21.17; Oct. 21, 17.11.

9. Spraggins. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 27, T. 3 N., R. 23 W. Drilled irrigation well, diameter 4 inches, depth 118 feet. Equipped with gasoline-powered 8-inch turbine pump. Records available: 1949. Apr. 15, 24.35.

10. Fred W. Tigert. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 3 N., R. 23 W. Drilled irrigation well, diameter 16 inches, depth 130 feet. Equipped with 8-inch turbine pump powered by gasoline-driven tractor. Records available: 1949. Apr. 15, 46.53; Oct. 20, 45.69.

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 well, diameter 14 inches, depth 120 feet. Equipped with gasoline-powered 8-inch turbine pump. Records available: 1949. Apr. 15, 42.30; Oct. 20, 40.41.

#### 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. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	a 15.99	Apr. 7	c 12.16	July 7	d 11.52	Oct. 6	d 14.35
13	a 16.12	14	c 12.03	14	d 11.94	13	d 14.65
20	a 16.13	21	c 11.99	21	d 12.50	20	d 14.75
27	b 16.04	28	c 12.03	28	d 12.72	27	d 14.98
Feb. 3	d 15.93	May 5	c 12.06	Aug. 4	d 13.17	Nov. 3	d 15.20
10	d 15.65	12	c 12.02	11	d 13.41	10	d 15.26
17	d 14.53	19	c 11.45	18	d 13.60	17	a 15.53
24	c 14.30	26	c 11.10	25	d 13.82	24	d 15.83
Mar. 3	c 14.46	June 2	d 11.36	Sept. 1	d 14.06	Dec. 1	d 15.90
10	c 12.97	9	d 11.69	8	c 13.81	8	d 16.03
17	c 12.59	16	d 11.90	15	d 13.80	15	d 16.16
24	c 12.41	23	d 11.62	22	d 13.94	22	d 15.29
31	c 12.27	30	d 11.56	29	d 14.09	29	d 16.96

a City wells 1, 3, and 4 pumping.

b City wells 1 and 3 pumping.

c City well 4 pumping.

d City wells 1 and 4 pumping.

#### Kiowa County

1. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 6 N., R. 18 W. Records available: 1947-49. Oct. 21, 13.32.

2. Edith L. Wright. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 13, T. 2 N., R. 17 W. Records available: 1947-49. Oct. 18, 38.14.

McClain County

2. Roy McDonald. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, T. 8 N., R. 4 W. Records available: 1947-49. Measurements discontinued.

Date	Water level	Date	Water level	Date	Water level
Feb. 8	32.17	Apr. 29	25.31	Aug. 25	26.10
Mar. 27	26.37	June 22	22.58		

3. Owner unknown. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T. 8 N., R. 4 W. Records available: 1948-49.

Aug. 23	13.91	Oct. 27	15.35	Dec. 30	15.38
Sept. 27	14.36	Nov. 29	15.16		

McCurtain County

1. W. M. George. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, T. 7 S., R. 24 E. Drilled well, diameter 6 inches, depth 142 feet, on upland flat. Aquifer, Trinity sand. Records available: 1949. Dec. 12, 98.57.

3. Dillard. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, T. 8 S., R. 25 E. Dug well, diameter 3 feet, depth 17.2 feet, on side of hill. Aquifer, Woodbine formation. Records available: 1949. Sept. 12, 8.82.

4. Dillard. 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 well, diameter 2.7 feet, depth 16 feet, on top of hill. Aquifer, Woodbine formation. Records available: 1949. Sept. 12, 13.24.

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 well, diameter 5 $\frac{1}{2}$  inches, depth 271.5 feet, in area of slightly rolling topography. Records available: 1949. Mar. 27, 1948, 9.5; Dec. 21, 1949, 63.1.

Major County

RFM 1. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 20 N., R. 16 W. Records available as Major County well 1, 1939-40; as RFM 1 (replacement well) 1942-49. May 10, 4.03; June 5, 2.64; measurements discontinued.

Oklahoma County

1. Joslyn Production Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T. 13 N., R. 3 W. Records available: 1943-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	181.79	Apr. 29	172.39	July 27	175.57	Oct. 25	178.57
28	173.94	May 24	173.69	Aug. 31	179.56	Nov. 25	176.76
Mar. 25	177.08	June 26	173.18	Sept. 29	179.36		

2. Sunray Oil Co. In Oklahoma City, in NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 12 N., R. 3 W., Avey lease, 28th Street and Lindsay Avenue. Records available: 1943-49.

Feb. 1	186.33	Apr. 29	180.37	July 27	192.66	Oct. 25	186.25
28	180.09	May 24	182.10	Aug. 31	192.15	Nov. 25	183.76
Mar. 25	178.71	June 26	177.28	Sept. 29	187.09	Dec. 29	183.10

3. Skelly Oil Co. In Oklahoma City, in SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T. 12 N., R. 3 W., Gast Heights lease, 18th Street and North Lottie Avenue. Records available: 1943-49.

Feb. 28	200.27	May 24	203.18	Aug. 31	211.98	Nov. 25	204.30
Mar. 25	199.03	June 26	218.29	Sept. 29	207.79	Dec. 29	203.51
Apr. 29	199.64	July 27	228.75	Oct. 25	206.01		

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. Records available: 1944-49.

Lowest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	161.21	159.63	158.02	163.38	161.31	164.50
2	160.57	158.89	158.83	163.40	163.47	165.87
3	160.19	157.26	160.52	163.50	163.96	167.46
4	160.19	157.01	161.41	163.58	164.33	168.44
5	159.74	156.92	161.87	163.06	165.62	168.56
6	159.58	156.62	161.57	160.95	166.39	168.16
7	159.76	156.49	159.80	160.22	166.78	167.98
8	160.00	156.08	160.17	159.82	166.02	166.56
9	160.26	156.03	161.57	159.63	164.83	166.94
10	160.26	161.91	162.30	159.17	163.82	167.11
11	160.25	157.05	162.28	160.10	165.00	168.41
12	160.05	156.35	160.46	161.49	166.59	169.20
13	159.39	155.98	159.48	162.40	167.06	169.50
14	159.37	156.40	158.81	163.45	167.08	169.32
15	161.70	158.18	159.96	164.01	166.91	167.85
16	159.80	159.66	160.90	164.01	166.22	168.63
17	159.80	162.51	161.77	162.06	165.60	169.82
18	159.40	162.41	162.36	161.11	166.81	170.03
19	159.48	162.63	162.88	160.44	167.64	169.68
20	159.37	163.22	162.82	161.52	167.68	169.59
21	159.15	163.23	160.27	159.91	166.39	168.67
22	159.10	162.85	158.85	159.58	165.66	168.77
23	158.61	160.95	158.03	161.10	165.16	170.72
24	.....	159.97	157.70	161.42	164.58	171.38
25	.....	159.52	157.60	162.26	165.23	171.38
26	.....	158.98	157.25	163.32	166.20	170.32
27	163.82	159.83	157.50	163.43	167.64	170.39
28	164.34	158.55	158.58	162.23	167.61	171.14
29	164.08		160.40	161.69	166.44	171.72
30	162.28		161.78	161.92	165.28	171.53
31	160.58		162.83		164.39	

Lowest daily water level, from recorder charts

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	171.57	185.50	186.28	175.20	175.25	174.56
2	171.72	185.91	186.61	175.00	173.71	174.59
3	172.41	186.54	186.61	175.08	172.71	174.75
4	172.88	186.93	185.66	175.00	171.95	173.83
5	172.44	187.13	185.30	176.51	171.48	174.18
6	177.40	187.30	184.82	181.39	171.09	175.11
7	178.60	187.45	184.50	182.38	171.75	175.59
8	179.63	186.84	181.90	179.64	172.87	175.98
9	180.09	185.48	180.40	177.49	173.48	175.86
10	177.61	184.58	179.43	177.00	174.06	175.82
11	177.43	183.97	178.67	178.08	174.21	175.82
12	177.67	183.68	181.58	178.46	173.55	174.90
13	177.59	183.32	183.08	182.42	171.79	175.33
14	178.07	181.48	183.88	183.01	171.23	175.51
15	178.13	181.20	184.31	182.99	175.98	175.36
16	177.94	183.50	184.62	181.31	175.93	175.69
17	177.94	184.68	184.80	180.28	176.08	175.75
18	177.28	184.68	184.19	179.53	177.63	174.88
19	178.24	182.40	182.82	178.93	177.69	175.23
20	182.40	181.31	182.50	179.02	176.86	175.47
21	.....	180.77	182.55	179.07	176.09	174.08
22	.....	181.11	181.33	178.45	175.31	174.99
23	182.01	182.18	181.02	178.49	174.63	175.39
24	181.36	183.01	180.98	179.49	174.17	175.36
25	181.42	185.44	179.30	181.30	170.94	174.75
26	181.46	185.63	178.22	181.99	169.52	175.50
27	181.61	186.40	179.41	182.29	168.81	171.43
28	181.96	185.95	176.83	182.52	172.06	173.28
29	184.81	186.02	175.88	182.62	172.80	173.66
30	185.13	186.13	175.46	181.49	173.86	172.56
31	185.06	185.43		177.42		172.67

6. Oklahoma City Water Department. In Oklahoma City, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 12 N., R. 3 W., north of Reno Street and 145 feet east of Pennsylvania Avenue. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	5.42	May 24	5.00	Aug. 31	6.98	Nov. 25	7.53
Mar. 28	5.54	June 26	4.73	Sept. 29	6.90	Dec. 29	7.37
Apr. 29	5.58	July 27	6.02	Oct. 25	7.21		

7. Oklahoma City Water Department. In Oklahoma City, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 12 N., R. 3 W., north of Reno Street and 195 feet east of Pennsylvania Avenue. Records available: 1944-49.

Jan. 28	6.27	Apr. 29	5.85	July 27	6.08	Oct. 25	7.55
Feb. 28	5.57	May 24	5.18	Aug. 31	7.12	Nov. 25	7.55
Mar. 28	5.73	June 26	4.83	Sept. 29	6.45	Dec. 29	7.46

8. Oklahoma City Water Department. In Oklahoma City, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 12 N., R. 3 W., north of Reno Street and 55 feet east of Pennsylvania Avenue. Records available: 1944-49.

Feb. 28	5.93	May 24	4.84	July 27	6.16	Oct. 25	6.82
Mar. 28	5.46	June 26	4.65	Sept. 29	7.30		

9. Oklahoma City Water Department. In Oklahoma City, in SE. corner sec. 36, T. 12 N., R. 4 W., on northwestern corner of intersection of Reno Street and May Avenue. Records available: 1944-49.

Feb. 28	1.12	May 24	1.10	Aug. 31	3.64	Nov. 25	3.71
Mar. 28	.42	June 26	1.15	Sept. 29	3.80	Dec. 29	3.50
Apr. 29	1.91	July 27	2.97	Oct. 25	3.61		

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. Records available: 1945-49.

Jan. 28	36.68	Apr. 29	36.84	July 27	36.68	Oct. 25	36.86
Feb. 28	36.62	May 24	36.99	Aug. 31	36.72	Nov. 25	36.90
Mar. 28	36.84	June 26	36.70	Sept. 29	36.80	Dec. 29	36.95

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. Records available: 1945-49.

Jan. 28	12.77	Apr. 29	11.92	July 27	12.13	Oct. 25	12.75
Feb. 28	11.70	May 24	10.60	Aug. 31	13.13	Nov. 25	12.74
Mar. 28	11.75	June 26	10.50	Sept. 29	13.25	Dec. 29	12.78

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. Records available: 1945-49.

Jan. 28	15.92	Apr. 29	16.43	July 27	15.86	Oct. 25	16.62
Feb. 28	16.64	May 24	15.92	Aug. 31	16.30	Nov. 25	16.65
Mar. 28	16.50	June 26	15.46	Sept. 29	16.50	Dec. 29	16.64

#### Payne County

1. Unknown oil company. SW $\frac{1}{4}$  sec. 15, T. 19 N., R. 4 E. Records available: 1934-49.

Feb. 25	4.37	May 25	3.35	Aug. 29	5.62	Nov. 22	5.26
Mar. 28	4.73	June 27	3.78	Sept. 27	6.34	Dec. 29	5.50
Apr. 26	3.85	July 27	5.05	Oct. 22	5.75		

2. J. F. Gilchrist. NW $\frac{1}{4}$  sec. 36, T. 20 N., R. 3 E. Records available: 1934-49.

Feb. 25	6.70	May 25	5.79	Aug. 29	7.05	Oct. 22	7.25
Mar. 28	6.91	June 27	5.70	Sept. 27	7.27	Nov. 22	7.45
Apr. 26	6.55	July 27	6.36				



3. V. D. Hesser. NW $\frac{1}{4}$  sec. 23, T. 20 N., R. 3 E. Records available: 1934-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 25	7.16	May 25	3.90	Aug. 29	8.23	Nov. 23	8.87
Mar. 28	7.35	June 27	3.76	Sept. 27	8.85	Dec. 29	8.85
Apr. 26	6.22	July 27	6.83	Oct. 22	8.90		

4. W. O. Snyder. NW $\frac{1}{4}$  sec. 2, T. 19 N., R. 3 E. Records available: 1934-49.

Feb. 25	20.99	May 25	17.87	Aug. 29	19.33	Nov. 23	20.39
Mar. 28	21.15	June 27	17.77	Sept. 27	19.90	Dec. 29	20.60
Apr. 26	18.82	July 27	18.10	Oct. 22	20.15		

7. Charles Focht. NW $\frac{1}{4}$  sec. 20, T. 19 N., R. 3 E. Records available: 1923-39.

Jan. 29	22.80	Apr. 26	20.31	July 27	14.62	Oct. 22	20.64
Feb. 25	16.15	May 25	5.20	Aug. 29	18.90	Nov. 22	21.64
Mar. 28	20.85	June 27	14.80	Sept. 27	19.84	Dec. 29	22.28

9. Owner unknown. SW $\frac{1}{4}$  sec. 21, T. 20 N., R. 2 E. Records available: 1934-49.

Feb. 25	19.18	May 25	16.35	Aug. 29	19.45	Nov. 23	19.92
Mar. 28	18.35	June 27	16.03	Sept. 27	19.97	Dec. 29	19.95
Apr. 26	18.30	July 27	18.35	Oct. 22	20.15		

13. Erma T. Pool. SW $\frac{1}{4}$  sec. 23, T. 19 N., R. 1 E. Records available: 1934-49.

Feb. 25	22.61	May 25	23.74	Aug. 29	23.41	Nov. 22	23.38
Mar. 28	23.38	June 27	23.69	Sept. 27	23.53	Dec. 29	23.82
Apr. 26	24.08	July 27	23.45	Oct. 22	23.46		

15. Lovell Bros. NE $\frac{1}{4}$  sec. 35, T. 19 N., R. 3 E. Records available: 1934-49.

Feb. 25	34.70	May 25	33.44	Sept. 27	38.20	Nov. 22	35.76
Mar. 28	34.05	Aug. 29	35.97	Oct. 22	35.60	Dec. 29	36.11
Apr. 26	34.30						

16. W. K. Hartman. SW $\frac{1}{4}$  sec. 12, T. 18 N., R. 3 E. Records available: 1934-49.

Feb. 25	19.25	Apr. 26	18.67	Oct. 22	20.85	Dec. 29	22.79
Mar. 28	20.72	Sept. 27	23.31	Nov. 27	20.91		

#### 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. Records available: 1947-49. May 17, 1.89; Oct. 29, 4.50.

#### Seminole County

1. Skelly Gas Corporation. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 9 N., R. 6 E. Records available: 1948-49.

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	111.69	109.88	108.95	109.30	106.00	105.72
2	110.75	109.83	109.39	109.42	107.31	105.56
3	111.68	109.56	109.96	109.45	107.91	106.99
4	112.10	110.66	110.11	108.74	107.49	106.24
5	111.53	111.24	109.78	108.91	108.00	105.49
6	110.99	111.52	110.12	107.80	107.26	105.18
7	111.42	111.49	109.41	108.29	107.22	105.96
8	111.83	110.25	108.60	108.75	107.43	105.45
9	111.45	109.89	109.22	108.82	106.53	105.82
10	111.03	109.77	110.09	107.61	106.33	105.19

1--Continued.

Lowest daily water level, from recorder charts						
Day	Jan.	Feb.	Mar.	Apr.	May	June
11	110.90	109.83	110.18	107.82	107.17	.....
12	111.29	110.03	109.00	108.14	107.60	105.26
13	111.29	110.07	108.53	107.19	106.62	105.43
14	110.35	109.92	109.61	107.77	106.19	.....
15	109.99	109.65	110.03	108.43	105.78	.....
16	110.14	109.65	109.17	108.61	106.04	105.91
17	110.15	109.65	108.34	107.54	106.38	106.56
18	110.02	109.89	108.25	108.11	105.42	106.65
19	110.20	110.17	109.21	108.63	104.96	105.41
20	110.82	110.77	109.56	107.90	104.97	.....
21	111.83	110.91	109.56	107.31	104.82	.....
22	112.08	110.96	108.93	108.13	106.04	.....
23	112.18	109.86	109.51	108.34	106.69	.....
24	112.38	109.02	109.91	107.29	106.87	.....
25	111.37	109.34	110.10	107.91	105.87	.....
26	110.66	109.64	108.94	108.14	106.42	.....
27	110.20	110.07	108.96	107.18	.....	105.37
28	110.43	109.50	109.22	106.74	.....	105.36
29	110.47	.....	.....	106.46	.....	106.23
30	110.39	.....	.....	106.55	.....	106.51
31	110.94	.....	.....	.....	104.75	.....

Lowest daily water level, from recorder charts						
Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	105.49	105.98	107.70	105.75	105.22	106.83
2	106.42	106.47	106.83	105.51	104.99	106.90
3	106.67	105.59	106.64	106.54	105.78	107.07
4	105.79	105.34	107.36	106.80	106.33	107.33
5	105.28	106.35	106.50	105.82	106.59	107.33
6	105.78	107.11	106.03	105.23	106.03	106.54
7	106.35	107.15	106.75	105.80	106.03	107.03
8	105.42	107.23	107.63	106.69	106.22	107.06
9	105.15	106.27	107.80	106.17	105.25	106.06
10	106.19	106.67	106.82	106.42	104.81	105.87
11	106.63	107.05	106.09	106.58	105.68	106.17
12	105.90	106.12	105.88	106.27	106.25	105.70
13	105.25	105.71	105.86	106.76	106.64	105.39
14	106.25	106.78	105.76	106.00	105.65	106.03
15	106.48	107.12	106.66	105.56	105.11	106.17
16	105.47	107.42	106.98	105.28	106.22	105.25
17	106.16	106.43	106.20	106.27	106.59	105.26
18	106.42	106.28	105.57	106.55	105.69	105.99
19	105.45	106.82	105.65	105.57	106.06	106.13
20	106.00	107.24	106.92	105.16	106.46	106.13
21	106.56	106.30	107.16	105.14	105.78	105.08
22	105.84	107.00	106.21	106.27	105.42	104.81
23	106.66	107.37	105.93	106.83	105.82	105.50
24	107.03	106.40	106.63	106.83	106.15	105.95
25	.....	105.95	107.06	105.93	105.43	106.00
26	.....	106.81	106.16	105.44	105.01	105.29
27	107.22	107.27	105.73	105.26	104.72	104.91
28	107.25	106.58	106.54	106.02	105.11	105.52
29	.....	106.01	107.02	106.01	104.83	106.26
30	.....	106.74	106.31	106.30	106.15	106.57
31	.....	107.66	.....	105.70	.....	105.65

Texas County

40. August Lorenz. NE  $\frac{1}{4}$  NW  $\frac{1}{4}$  sec. 6, T. 3 N., R. 17 E. Records available: 1937-49. May 12, 89.23.

125. J. Donald Hughes. SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  sec. 13, T. 1 N., R. 18 E. Records available: 1939-49. May 17, 8.88.

130. Robert Johnson. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 1 N., R. 19 E. Records available: 1939-49. May 17, 7.16.

138. Joe Sutton. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, T. 1 N., R. 19 E. Records available: 1939-49. May 17, 8.87.

176. W. N. Ballinger. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 18, T. 3 N., R. 15 E. Records available: 1937-49. May 13, 6.04.

188. Kuhn Bros. NW $\frac{1}{4}$  sec. 1, T. 2 N., R. 14 E. Records available: 1938-49.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
May 13	122.10	July 26	121.55	Sept. 19	121.86	Nov. 14	121.77
June 6	121.98	Aug. 1	121.55	27	121.85	21	121.77
13	122.08	8	121.55	Oct. 3	121.66	28	121.83
20	122.03	15	121.70	10	121.75	Dec. 5	122.05
27	122.08	22	121.70	17	121.75	12	122.07
July 5	121.88	29	121.70	25	121.85	19	122.07
11	121.88	Sept. 5	121.86	31	121.56	26	122.07
18	121.55	12	121.86	Nov. 7	121.55		

228. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, T. 2 N., R. 17 E. Records available: 1946-49.

Jan. 6	5.44	Apr. 20	5.27	June 29	5.13	Oct. 14	5.64
19	5.33	27	5.34	July 6	5.37	21	5.53
Feb. 3	5.20	May 5	5.32	15	4.49	Nov. 2	5.48
10	5.19	12	5.26	22	4.96	8	5.45
16	5.22	17	3.75	Aug. 16	5.44	16	5.47
Mar. 2	5.15	19	4.19	25	5.72	22	5.44
15	5.24	June 1	4.84	Sept. 10	5.40	29	5.44
30	5.22	7	4.90	28	5.77	Dec. 14	5.41
Apr. 6	5.22	15	4.62	Oct. 7	5.91	28	5.30
12	5.26	22	4.90				

281. C. F. Webb. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 3 N., R. 11 E. Records available: 1938-49. May 15, 87.92.

284. Paul Spradlin. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 3 N., R. 12 E. Records available: 1939-49. May 15, 100.05.

294. Stonebraker-Zea Ranch. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 3 N., R. 13 E. Records available: 1937-49. May 13, 41.99.

309. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 3 N., R. 14 E. Records available: 1936-49. May 15, 10.58.

332. Owner unknown. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 3 N., R. 15 E. Records available: 1937-47, 1949. May 15, 64.97.

354. A. M. Fankhauser. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 27, T. 6 N., R. 15 E. Records available: 1937-49. May 14, 145.45.

406. Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, T. 4 N., R. 11 E. Records available: 1946-49. May 15, 78.36.

436. Leo Holtgraver. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 4 N., R. 14 E. Records available: 1938-49. May 14, 169.92.

462. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 36, T. 4 N., R. 16 E. Records available: 1946-49. May 12, 3.57.

497. R. M. Van Hyning. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 21, T. 4 N., R. 19 E. Records available: 1937-49. May 12, 100.24.

551. Owner unknown. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 4 N., R. 13 E. Records available: 1937-49. May 15, 142.97.

589. George Hoferber. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T. 4 N., R. 17 E. Records available: 1937-49. May 12, 115.55.

725. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, T. 3 N., R. 15 E. Records available: 1946-49. May 12, 8.29; June 6, 8.30.

761. Federal Life Insurance Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 3 N., R. 19 E. Records available: 1937-49. May 12, 97.61.

765. O. Jolliff. SW $\frac{1}{4}$  sec. 26, T. 3 N., R. 19 E. Records available: 1937-49. May 12, 104.40.

770. A. C. DeHart. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, T. 3 N., R. 19 E. Records available: 1937-48. Measurements discontinued.

842. C. A. Rahm. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T. 6 N., R. 16 E. Records available: 1937-49. May 14, 111.67.

#### 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. Records available: 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	22.54	Apr. 11	21.87	July 18	22.92	Oct. 10	24.11
10	22.63	18	21.96	25	23.62	17	24.12
17	22.66	25	22.03	31	23.94	24	24.12
24	22.64	May 2	22.33	Aug. 1	23.93	31	24.10
31	22.52	9	22.47	8	24.55	Nov. 7	23.98
Feb. 7	21.86	16	22.11	15	23.83	14	24.00
14	21.77	23	21.68	22	23.83	21	23.98
21	21.82	30	21.49	29	24.89	28	23.88
28	21.89	June 6	21.70	Sept. 5	24.33	Dec. 5	23.92
Mar. 7	21.88	13	21.60	12	23.93	12	23.89
14	21.89	20	21.70	19	23.83	19	23.83
21	21.85	27	21.93	26	23.96	26	23.80
28	21.73	July 4	22.23	Oct. 3	24.29	30	23.78
Apr. 4	21.72	11	22.64				

11. A. L. Boyd. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, T. 1 S., R. 19 W. Drilled irrigation well, diameter 18 inches, depth 38 feet, on lowland flat. Equipped with gasoline-powered turbine pump. Records available: 1949. Apr. 12, 11.20; Oct. 19, 13.34.

12. J. W. Boyd. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 1 S., R. 19 W. Drilled irrigation well, diameter 18 inches, depth 53 feet, on lowland flat. Equipped with gasoline-powered turbine pump. Records available: 1949. Apr. 12, 18.73; Oct. 19, 19.59.

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 well, diameter 14 inches, depth 33 feet, on lowland flat. Equipped with gasoline-powered turbine pump. Records available: 1949. Apr. 12, 8.55; Oct. 19, 8.90.

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 well, diameter 18 inches, depth 35 feet, on lowland flat. Equipped with gasoline-powered turbine pump. Records available: 1949. Apr. 13, 6.93; Oct. 19, 7.80.

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 well, diameter 14 feet, depth 45 feet, on lowland flat. Equipped with gasoline-powered turbine pump. Records available: 1949. Apr. 13, 21.30; Oct. 19, 21.11.

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 well, diameter 14 inches, depth 65 feet, on lowland flat. Equipped with gasoline-powered turbine pump. Records available: 1949. Apr. 13, 21.88.

18. Virgil Hale. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, T. 1 S., R. 18 W. Dug irrigation well, diameter 6 feet, depth 47 feet, on lowland flat. Equipped with electric turbine pump. Records available: 1949. Oct. 18, 25.49.

19. Clark. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, T. 1 S., R. 18 W. Drilled irrigation well, diameter 10 inches, on lowland flat. Records available: 1949. Oct. 19, 23.50.

20. Clarence DeYong. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, T. 2 S., R. 18 W. Drilled domestic well, diameter 4 inches, on lowland flat. Records available: 1949. Oct. 19, 33.36.

#### Washita County

1. S. A. LeMasters. NE. corner sec. 6, T. 9 N., R. 19 W. Records available: 1947-49. No measurements made in 1949.

5. Robinson. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 9 N., R. 14 W. Unused drilled well, diameter 6 inches, depth 134 feet. Records available: 1949. Apr. 9, 107.12; June 21, 107.16; Oct. 6, 106.73; Oct. 28, 107.27.

6. Owner unknown. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 9 N., R. 14 W. Unused drilled well, diameter 6 inches. Records available: 1949. Mar. 26, 124.16; Apr. 9, 124.20; Oct. 6, 123.94; Oct. 28, 124.42.

#### Woodward County

1. Oklahoma City Water Department. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, T. 20 N., R. 17 W. Records available: 1939-49. May 10, 1.95.

2. Oklahoma City Water Department. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 23 N., R. 21 W. Records available: 1939-48. Measurement discontinued.

4. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 23 N., R. 20 W. Records available: 1945-49. May 10, 2.56; June 5, 1.75; Oct. 3, 4.36.

5. U. S. Geol. Survey. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 24 N., R. 22 W. Records available: 1947-49. May 10, 2.62; Oct. 4, 4.56.

## TEXAS

By C. R. Follett

### PROGRAM OF WORK

A State-wide investigation of the ground-water resources of Texas has been in progress since 1929 in cooperation with the Texas State Board of Water Engineers. During 1949 a total of 5,725 measurements was made in 1,270 wells in 52 counties, and 25 water-stage recorders were in operation.

#### 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 semihumid to semiarid, and the area west of the 101st meridian is semi-arid to arid. The average yearly precipitation ranges from 55.95 inches at Bon Wier, in Newton County, in the eastern part of the State, to 9.16 inches at El Paso, in the extreme western part of the State; the yearly rainfall at these stations ranges from 38.21 to 81.92 inches at Bon Wier and 2.22 to 21.81 inches at El Paso.

#### FLUCTUATIONS OF WATER LEVELS

In the Southern High Plains of Texas most of the wells pumped heavily for irrigation are in the following 19 counties: Armstrong, Bailey, Briscoe, Castro, Cochran, Crosby, Deaf Smith, Floyd, Gaines, Hale, Hockley, Lamb, Lubbock, Lynn, Martin, Farmer, Randall, Swisher, and Terry.

Irrigation from wells in this region was started near Plainview, Hale County, in 1911. By 1914 about 140 wells had been drilled in the three principal districts--Plainview, Hereford, and Muleshoe. From 1919 to 1926, rainfall was above average and little irrigation was practiced. Interest in irrigation was revived during several years of low rainfall that began in 1927, and, according to the available records, 296 wells were pumped to irrigate about 35,000 acres in 1934. Since that time the development has grown rapidly until 1949 when the rainfall was above the average and good crops were raised with less irrigation. Comparatively few new wells were

drilled during 1949. In 1948 about 1,250,000 acres were irrigated from about 10,500 wells. The yield of the wells ranges from 300 to 2,000 gallons a minute and averages about 750 gallons a minute.

From 1937 to 1940, measurements were made at intervals of 1 to 3 months in several observation wells. It was found, however, that the most dependable information regarding net annual losses from or additions to storage in the ground-water reservoirs in the pumping districts and adjacent territory can be obtained by comparing water-level measurements made each year in the late winter or early spring before the start of irrigation.

The water-level decline in the High Plains from the spring of 1948 to the spring of 1949 is shown with contours in figure 16, and from the spring of 1938 to the spring of 1949 in figure 17. The contour lines connect points of equal decline. These maps show that the largest declines of water level are in four districts: Plainview-Lockney, Lubbock, Muleshoe, and Hereford, where wells are closely spaced.

The following table gives a summary by counties of the average net rise or decline in water level in representative observation wells for the period from 1914 to 1938, from 1938 to 1949, from 1943 to 1949, and from 1948 to 1949.

Summary of average fluctuations of water levels, in feet,  
in Southern High Plains Region

County	1914-38		1938-49	
	Number of wells	Decline	Number of wells	Decline (-) or rise (+)
Bailey	4	1.7	30	-5.9
Briscoe	....	...	..	...
Castro	....	...	13	-4.9
Cochran	....	...	3	+1.5
Crosby	....	...	7	-7.6
Deaf Smith	....	...	39	-9.3
Floyd	15	7.9	44	-20.7
Hale	19	1.4	69	-11.5
Hockley	..	...	5	+ .8
Lamb	2	4.9	20	-3.7
Lubbock	..	...	38	-4.8
Parmer	...	...	5	+1.4
Randall	..	...	4	+1.0
Swisher	1	5.5	12	-9.2

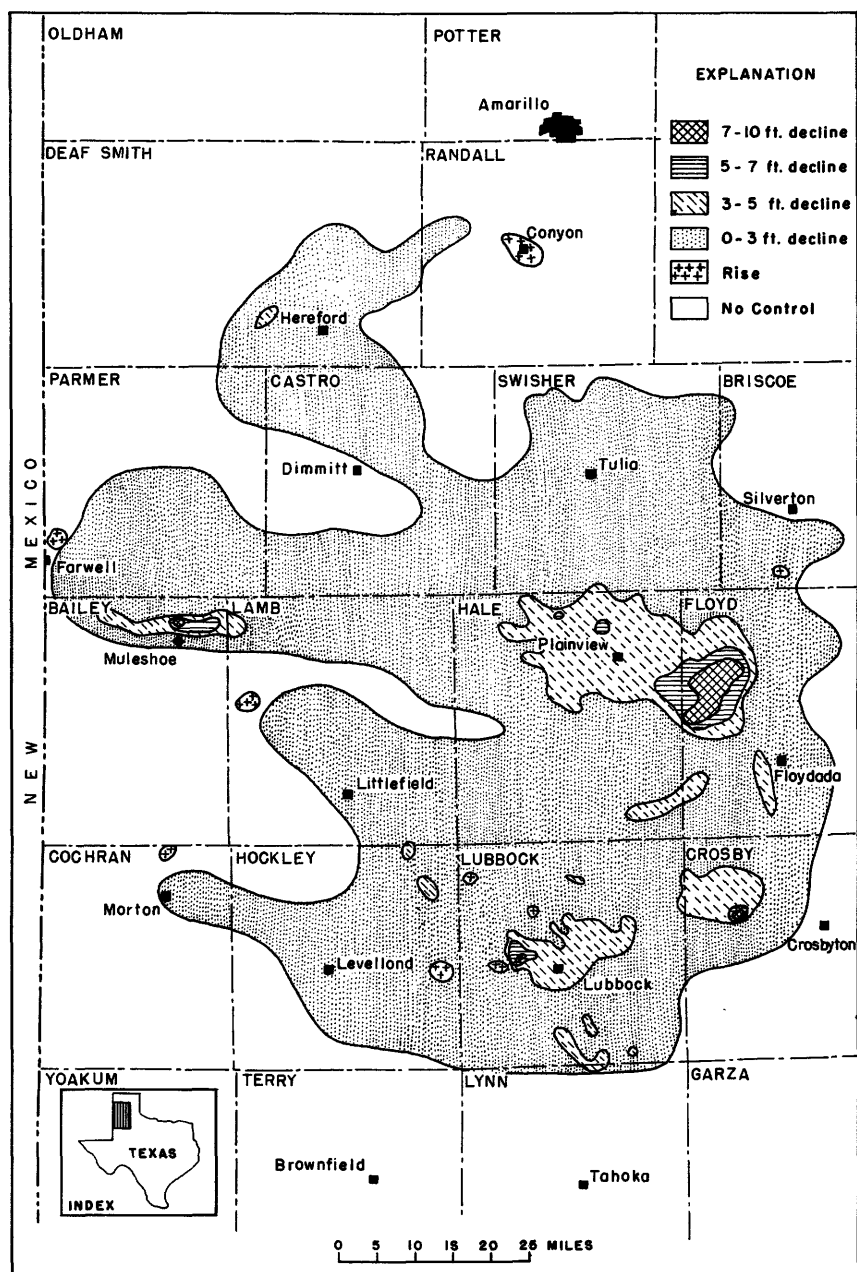


Figure 16.--Map showing the approximate decline of the water table in the southern High Plains in Texas, March 1948 to March 1949.



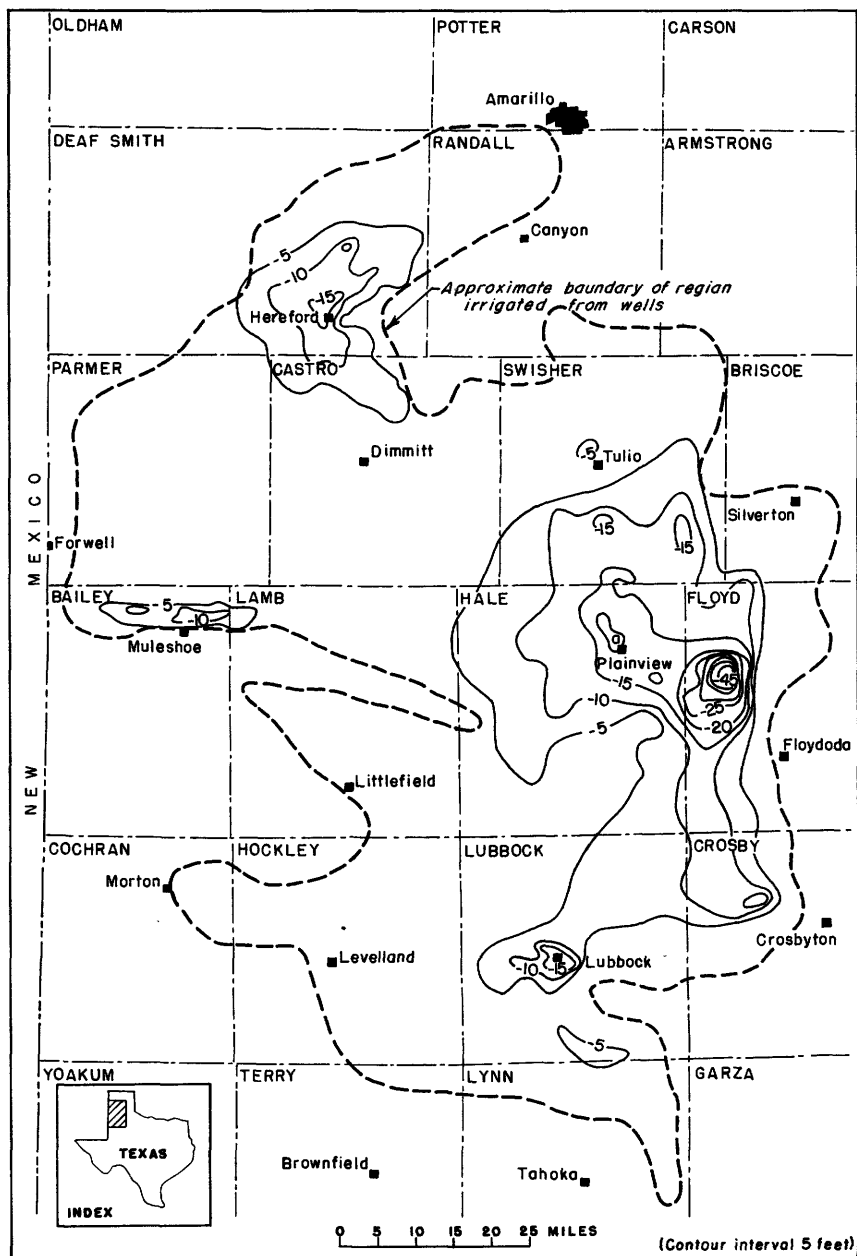


Figure 17.--Map showing the approximate decline of the water table in the southern High Plains in Texas, March 1938 to March 1949.

Summary of average fluctuations of water levels, in feet;  
in Southern High Plains Region--Continued

County	1943-49		1948-49	
	Number of wells	Decline (-) or rise (+)	Number of wells	Decline (-) or rise (+)
Bailey	28	-11.9	27	-4.1
Briscoe	..	...	12	-1.4
Castro	18	-5.1	21	-1.5
Cochran	2	+2	6	-.7
Crosby	6	-9.8	13	-2.9
Deaf Smith	35	-7.4	47	-1.7
Floyd	36	-20.4	68	-5.0
Hale	66	-11.6	105	-3.1
Hockley	5	-7.8	27	-2.1
Lamb	25	-8.1	27	-2.7
Lubbock	37	-9.0	96	-2.4
Parmer	2	-.1	9	-.3
Randall	4	-4.2	5	+1.7
Swisher	34	-5.7	67	-1.7

Dimmit, Maverick, and Zavala Counties.--The irrigation of vegetables has been in progress in the district for about 31 years and 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 Pendercia, 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 that were made in the field indicate that the amount of water withdrawn from wells was as follows: 30,000 acre-feet in 1929-30 season; 28,000 acre-feet in 1937-38 season; and 58,500 acre-feet in 1947-48 season. 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 in the 1948-49 period, pumpage of ground water was reduced.

Water-level measurements have been made during July, August, and September, at the close of the season of least pumping when the effect of local pumping is at a minimum. The following table shows the yearly measurements in 44 wells. The measurement given is the highest one recorded



July-September water-level measurements in the Winter Garden district in Dimmit, Zavala, and eastern Maverick Counties, Texas, 1930-49--Continued

	Well	1943	1944	1945	1946	1947	1948	1949	Decline 1930-49
Carrizo Springs Outcrop area	N7-78	109.2	106.9	107.9	109.0	111.3	112.4	111.3	18.6
	N7-125	68.1	69.1	69.5	69.4	72.1	71.8	71.8	13.3
	S1-16	59.9	61.8	60.9	61.5	....	63.9	64.6	9.6
	S1-18	107.4	108.2	109.5	109.9	111.7	113.9	113.8	12.2
La Pryor	H7-20	.....	76.2	75.9	75.4	75.7	76.1	76.0	2.7
	N1-24	133.4	130.9	133.6	141.2	159.7	168.7	168.8	52.8
	N1-40	115.6	114.1	.....	123.8	146.7	166.5	162.8	54.1
West of La Pryor	M3-29	.....	.....	.....	97.6	97.6	97.8	97.9	1.7
	N1-39	.....	.....	.....	78.5	79.8	82.0	83.3	8.3
	N1-90	.....	.....	.....	159.3	169.7	187.4	178.4	...
	N1-92	.....	.....	.....	.....	83.1	95.1	91.3	...
Cometa	M6-10	79.6	79.4	79.3	83.8	....	97.1	96.3	25.9
	M6-16	46.4	47.1	46.8	47.4	49.4	49.6	51.7	10.8
	M6-16a	....	....	....	....	61.4	71.7	71.7	....
	M6-18	45.6	44.8	44.7	51.7	56.4	66.9	64.0	27.2
	M6-19	61.7	61.6	62.4	65.0	67.0	69.0	70.1	20.5
	M9-1	72.1	68.4	75.5	83.0	79.5	87.0	86.3	32.5
Crystal City	N5-30	....	....	....	....	102.1	143.3	127.1	....
	N5-39	73.2	67.6	77.9	93.2	105.2	146.3	129.2	71.0
	N5-40	69.7	65.4	75.1	85.8	102.5	144.1	127.4	69.7
	N5-55	75.4	71.2	80.3	88.8	107.5	149.9	128.3	67.3
	N5-60	....	66.7	90.3	....	116.2	148.5	131.8	68.8
Winter Haven	N7-34	60.5	55.7	62.8	64.5	55.9	58.2	62.6	17.4
	N8-26	73.5	66.8	65.8	74.1	....	130.2	107.8	47.9
	N8-28	73.2	66.0	64.3	72.7	88.4	126.1	106.6	46.8
Carrizo Springs	S2-24	140.3	.....	....	120.0	125.2	146.4	133.5	28.3
	S2-27	60.4	65.5	64.4	68.7	68.1	74.2	75.6	10.4
	S2-78	184.1	176.1	182.5	176.5	178.2	202.3	185.2	12.3
Catarina	S2-102	113.5	113.1	112.6	112.5	110.9	113.9	114.6	+5.0
	S3-16	140.4	.....	145.9	143.6	141.4	152.5	146.3	....
	S5-3	116.2	119.4	137.5	139.6	138.0	144.7	141.9	24.1
	S5-5	75.2	77.2	76.0	80.1	77.1	80.9	82.2	10.4
	S5-10	....	96.6	95.3	97.3	96.1	104.4	102.4	8.3
	S6-4	21.3	21.6	20.4	20.6	19.9	21.8	21.3	+2.5
Brundage	N8-103	....	....	....	39.8	49.7	71.9	60.5	19.3
Big Wells	N9-12	24.7	....	....	....	....	51.6	44.3	27.0
	N9-16	77.9	75.5	75.7	72.3	77.2	97.7	93.7	31.9
	N9-25	....	30.6	29.9	25.0	....	57.5	44.3	27.7
	N9-32	....	....	....	....	40.8	62.4	52.4	24.2
	N9-33	43.6	39.0	40.3	35.1	38.6	42.9	51.3	....
Valley Wells	T1-5	13.8	14.4	15.2	17.5	16.5	29.3	28.0	23.9
9 miles east of Big Wells	O7-3	102.2	103.4	102.5	105.4	108.1	118.0	119.8	24.6
15 miles west of La Pryor	M3-7	.....	.....	.....	.....	32.3	33.6	33.7	3.2
Outcrop area	M3-7a	.....	.....	.....	42.4	43.5	44.1	45.0	...

For a number of years there has been irrigation of citrus fruits and winter garden vegetables in Jim Wells and Brooks Counties. Also, considerable development of oil in Brooks, Jim Wells, Duval, and Kleberg Counties has taken place since 1940. The rate of drilling oil wells increased each year until 1949. 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 originally used large quantities of ground water. In 1945 the naval air base was closed, and 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.

Water levels are usually measured in February each year when the least irrigation water is used and when the water levels are generally highest.

Duval County.--Most of the observation wells are on the outcrop area of the sands which are heavily pumped in Jim Wells, Brooks, and Kleberg Counties. The deeper wells in the southeastern part of the county show greater declines than similar wells in the central and northern parts because they are nearer the centers of heavy pumpage in the Premont-Falfurrias area. As used here, shallow wells are those less than 100 feet deep, whereas deep wells are those over 100 feet deep.

In 20 shallow observation wells the average net decline in water levels was 1.24 feet between 1948 and 1949; the water level in two of these wells rose 0.15 and 0.74 foot, while in the other 18 wells the water level declined from 0.09 foot to 3.81 feet. In 19 shallow observation wells the average net decline in water level was 2.71 feet between 1943 and 1949; the water level in three of these wells rose from 0.18 foot to 2.57 feet while in the other 16 wells the water level declined from 0.07 foot to 11.01 feet.

In 17 deep observation wells the average net decline was 1.65 feet between 1943 and 1949; the water level in 3 of these wells rose from 0.02 to 0.81 foot, 1 well had no change, and in the other 13 wells the water level declined from 0.02 foot to 5.70 feet. In 12 deep observation wells the average net decline in water level was 2.83 feet between 1943 and 1949; the water level in 3 of these wells rose from 0.25 foot to 5.94

feet while in the other 9 wells the water level declined from 0.11 foot to 20.42 feet.

Brooks County.--In 17 observation wells drawing from one or more sands and ranging in depth from 25 to 1,000 feet, the average net decline in water level between 1948 and 1949 was 2.96 feet; rises in water level ranging from 0.29 foot to 2.15 feet were recorded in 3 wells and declines in water level ranging from 0.34 foot to 8.42 feet were recorded in 14 wells. Between 1943 and 1949 the declines in water level in eight wells ranged from 1.60 to 42.71 feet and averaged 18.66 feet. Some of the wells are in an area remote from heavy pumping.

Jim Wells County.--In seven shallow observation wells in the outcrop area in the western part of the county there was an average decline in water level of 2.29 feet from 1948 to 1949; there was no net change in these wells from 1947 to 1948. The water level in the same wells showed an average decline of 4.37 feet from 1943 to 1949.

In 19 deep observation wells, mostly in the Premont-Falfurrias area, there was an average net decline in water level of 2.13 feet from 1948 to 1949; the water level rose from 0.13 foot to 6.18 feet in 4 wells while the decline in water level ranged from 0.88 foot to 7.38 feet in the other 15 wells. Although there was very little decline prior to 1943, the average net decline in water level was 27.07 feet from 1943 to 1949; the declines ranged from 14.58 to 40.75 feet.

Kleberg County.--In 19 observation wells there was an average net decline in water level of 4.78 feet from 1948 to 1949; in 2 wells the water level rose 0.39 and 0.57 foot while in the other 17 wells the decline in water level ranged from 0.45 foot to 13.99 feet. In 24 wells there was an average decline of 35.30 feet from 1943 to 1949, the declines ranged from 15.53 to 58.95 feet. In 22 wells there was an average decline in water level of 53.99 feet between 1932-33 and 1949; the declines ranged from 14.02 to 88.05 feet.

#### Balcones Fault Zone

The following table summarizes changes in observation wells that draw water from the Glen Rose limestone, Edwards limestone, Austin chalk, and younger formations, along the 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.

Average net change in water level from January - February  
to November - December, 1949

County	Number of wells	Average rise (+) or decline (-) (feet)	Number of wells in which water level rose	Number of wells in which water level declined
Wells drawing from the Edwards limestone				
Kinney	7	+8.22	7	0
Uvalde	7	+20.01	7	0
Medina	6	+19.46	6	0
Bexar	8	+9.49	8	0
Comal	12	+3.82	12	0
Hays	5	-1.00	2	3
Travis	13	+1.04	8	5
Williamson	4	-.18	2	2
Val Verde	2	+7.64	2	0
Wells drawing from the Glen Rose limestone, Austin chalk, or younger formations				
Kinney	5	+6.03	5	0
Uvalde	7	+7.41	7	0
Hays	15	.00	5	10
Travis	6	+1.40	4	2

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 area, 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. All these wells draw water from sands that crop out from 20 to 50 miles west, northwest, and north of Houston. About 290 observation wells in the region are measured at intervals ranging from 1 month to 1 year.

The following table gives the estimated average daily withdrawal of ground water in the Houston-Pasadena area and the Katy area. The 1949 pumpage has not been compiled, but it is estimated to be about the same as 1948. Records of pumpage on the outcrop area and the Galveston area have not been compiled.

Average daily pumpage in the Houston-Pasadena area and the Katy area  
(millions of gallons a day)

	1930	1935	1937	1940	1941	1942
Houston Water Dept. (from city records)	25.8	24.5	25.2	23.8	27.2	30.5
Independent public supplies and small industrial wells	14	14	16	17	16	18
Pasadena industrial wells	10	10	29	33	34	36
Subtotal for Houston and Pasadena areas	50	49	70	79	77	85
Katy irrigation wells	18	14	30	45	23	38
Total for Houston district	68	63	100	124	100	123

Average daily pumpage in the Houston-Pasadena area and the Katy area  
(millions of gallons a day) --Continued

	1943	1944	1945	1946	1947	1948
Houston Water Dept. (from city records)	35.2	39.5	43.2	51.3	55.8	60.9
Independent public supplies and small industrial wells	20	21	21	22	24	24
Pasadena industrial wells	39	47	48	50	55	61
Subtotal for Houston and Pasadena areas	94	108	112	123	135	146
Katy irrigation wells	52	55	50	60	75	120
Total for Houston district	146	163	162	183	210	266

(The rice wells are pumped only during the season that begins about May 1 and lasts approximately 130 days, and pumpage in the Houston and Pasadena areas, although continuous, is much heavier in summer than it is during the remainder of the year. Therefore, for convenience in compilation and in order that comparisons may be made, total withdrawals in all three areas are given as daily averages for entire year. The city of Houston pumpage in 1946 includes 1,024 acre-feet (334,000,000 gallons) sold at the Southwest well field for the irrigation of rice land.)

The withdrawals of ground water in the Houston-Pasadena area from 1930 to 1936, inclusive, remained fairly constant, averaging about 50 million gallons a day and a state of approximate equilibrium was reached in the artesian pressure. As a result of an increase in the rate of pumping near Pasadena in 1937 amounting to about 20 million gallons a day, a general pressure decline occurred throughout the Houston-Pasadena area in 1937-38. Small additional increases in pumpage in 1939-41 caused the decline to continue although at a somewhat slower rate. During the 7-year period starting with 1942 the pumpage in the Houston-Pasadena area practically doubled, averaging about 146 million gallons a day in 1948 compared with 77 million gallons a day in 1941. This resulted in a rate of decline in artesian pressure that was greater than at any time during the preceding period of record. The total decline between the spring of 1941 and the spring of 1949 in Pasadena and eastern Houston averaged about 100 feet. Smaller but substantial declines were recorded throughout most of the Houston district, the rate of decline in most of the wells being greatest between 1946 and 1949. In the spring of 1949 the depths of water in many



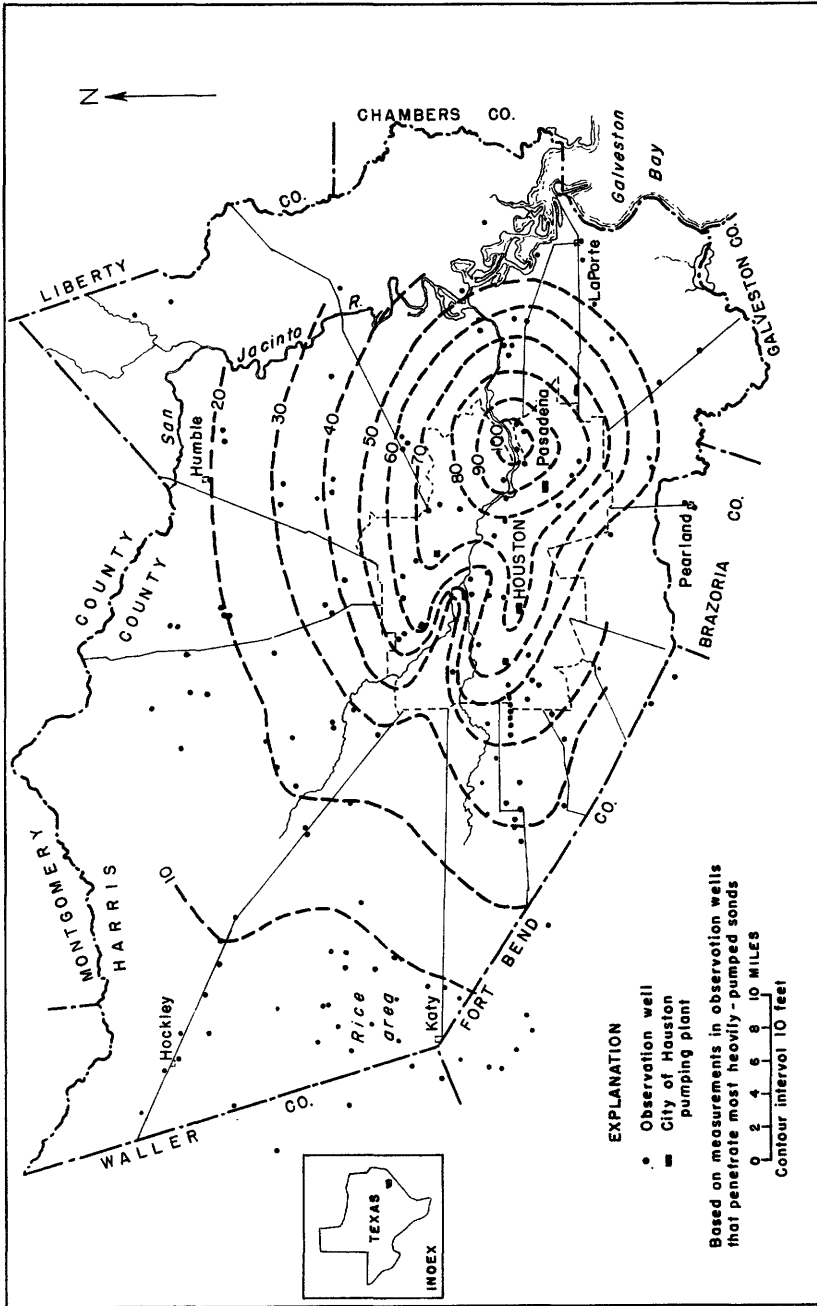


Figure 18.--Map showing the decline of water level in the Houston area, Texas, 1941-49.

temporarily idle wells ranged from 170 to 210 feet below sea level (about 220 to 240 feet below the land surface) in the areas of greatest withdrawals. The pumping levels ranged from about 250 to 340 feet below sea level (290 to 380 feet below the land surface) in some of the most heavily pumped wells along the Houston Ship Channel. The declines of the piezometric surface from March 1941 to March 1949 in the Houston district is shown by contours on figure 18.

In the Katy rice-growing area, on the outcrop of the sands that supply much of the water pumped at Houston, the amount of land under pump irrigation totaled 47,600 acres in 1948 compared with 8,000 acres in 1935, a six-fold increase. Expressed as a daily average, the pumpage amounted to about 123 million gallons a day in 1948 as compared to 14 million gallons a day in 1935. There has been a net decline of the water table and artesian pressure in this area for several years, but the amount of decline is only a fraction of the decline in artesian head in the Houston-Pasadena area.

The ground-water reservoirs are recharged by precipitation that falls on the outcrops of the water-bearing sands northwest, north, and northeast of Houston. Periodic measurements of water-table wells in portions of the outcrop areas that are more or less remote from areas of large-scale pumping show little if any net decline in water levels between 1938 and 1949.

Prior to 1944 there was a persistent drop in 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 as a result of a surface-water supply being made available for industrial uses at Texas City, and water levels in the deeper sands at and near industrial wells recovered about 30 feet. The water levels in the Galveston city well field at Alta Loma rose slightly during the latter part 1948 and during 1949, but in the northern and northwestern parts of Galveston County the water levels continued to decline slowly.

## WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Angelina County

168. City of Lufkin. About 300 yards west of Redland School, lat. 31°24', long. 94°43'. Records available: 1939-45, 1948-49. June 23, 299.33.

169. Gulf Pipe Line Co. 2.75 miles northwest of Redland, lat. 31°26', long. 94°45'. Records available: 1939-46, 1948-49. June 9, 127.8; June 23, 126.2.

Aransas County

35. W. S. Kirby. At northeast edge of Aransas Pass, lat. 27°54', long. 97°18'. Records available: 1939-42, 1945, 1947, 1949. Nov. 16, 6.10.

46. R. R. Barber. 5.25 miles southwest of Rockport, lat. 27°58', long. 97°15'. Records available: 1939-42, 1945, 1947. Measurement discontinued.

59. E. F. Barber. 5.5 miles west of Rockport, lat. 28°00', long. 97°17'. Records available: 1939-42, 1945, 1947, 1949. Nov. 16, 8.38.

77. H. G. Smith. At southwest edge of Rockport, lat. 28°01', long. 97°13'. Records available: 1939-42, 1945, 1947, 1949. Nov. 16, 2.69.

244. Willie Owens. 0.6 mile northeast of Oak Grove School, lat. 27°59', long. 97°17'. Records available: 1940-42, 1945, 1947. Measurement discontinued.

247. G. M. Broach. 0.6 mile west of State Highway 35 on Bayside road, lat. 28°01', long. 97°13'. Records available: 1940-42, 1945, 1947, 1949. Nov. 16, 2.59.

Atascosa County

5. H. Koehler. 4 miles north of Poteet, lat 29°05', long. 98°36'. Used drilled irrigation well, diameter 10 inches, depth 450 feet. Records available: 1931, 1944-45, 1948-49.

Date	Water level	Date	Water level	Date	Water level
1931	50	Aug. 6, 1945	60.50	July 19, 1949	63.66
May 31, 1944	59.64	Sept. 27, 1948	62.02		

17. W. P. Gilliland. 4.25 miles northwest of Poteet, lat. 29°03', long. 98°38'. Used drilled domestic, stock and irrigation well, diameter 6 inches, depth 300 feet. Records available: 1944-45, 1948-49. June 1, 1944, 28.37; Aug. 7, 1945, 31.38; Sept. 27, 1948, 32.65; July 15, 1949, 33.79.

33. C. E. Simmons. 4.5 miles west of Poteet, lat. 29°02', long. 98°39'. Used drilled domestic, stock and irrigation well, diameter 8 inches, depth 800 feet. Records available: 1940, 1944, 1949. July 19, 1940, 18.0; May 22, 1944, 26.55; July 19, 1949, 30.24.

61. R. B. Fischer. 2.75 miles southeast of Poteet, lat. 29°00', long. 98°32'. Used drilled domestic well, diameter 6 inches, depth 1,010 feet. Records available: 1925-26, 1944, 1948-49.

Jan. 1, 1925	+28	May 8, 1944	+4.65	July 19, 1949	+0.58
Jan. 1, 1926	+25	Sept. 28, 1948	.52		

62. R. B. Fischer. 2.75 miles southeast of Poteet, lat. 29°00', long. 98°32'. Used drilled domestic, stock and irrigation well, diameter 8 inches, depth 1,090 feet. Records available: 1937-41, 1944, 1948-49.

## 62--Continued.

Date	Water level	Date	Water level	Date	Water level
Sept. 1, 1937	+4.0	Oct. 22, 1938	+4.3	Feb. 1, 1940	+5.5
Jan. 1, 1938	+8.0	24	+5.0	12	+6.0
June 1	+8.0	Nov. 12	+6.8	Mar. 9	+3.5
Sept. 1	+4.0	14	+6.8	11	+4.5
Sept. 20	+5.5	28	+7.0	12	+3.5
Oct. 1	+3.3	Jan. 1, 1939	+7.5	Oct. 1	2.0
8	+3.3	Mar. 27	+6.0	Jan. 1, 1941	+4.5
10	+4.3	Apr. 8	+2.5	May 8, 1944	+4.51
15	+3.5	Aug. 10	+5.0	Sept. 28, 1948	.73
17	+4.5	Oct. 1	+1.0	July 19, 1949	.20

68. H. A. Jaroszewski. 2.5 miles east of Poteet, lat. 29°02', long. 98°35'. Unused drilled well, diameter 6 inches, depth unknown. Records available: 1944-45, 1948-49. June 5, 1944, 55.19; Aug. 10, 1945, 55.66; Sept. 28, 1948, 55.67; July 19, 1949, 55.29.

72. G. Weynand. 7.75 miles northeast of Poteet, lat. 29°07', long. 98°30'. Used drilled stock well, diameter 5 inches, depth 120 feet. Records available: 1944-45, 1948-49. June 5, 1944, 81.89; Aug. 10, 1945, 81.86; Sept. 29, 1948, 83.74; July 19, 1949, 84.31.

91. Guy S. Combs. 4.5 miles northeast of Poteet, lat. 28°59', long. 98°25'. Used drilled domestic and stock well, diameter 6 inches, depth unknown. Records available: 1944-45, 1948-49. May 10, 1944, 20.34; Aug. 13, 1945, 20.43; Sept. 29, 1948, 23.46; July 19, 1949, 22.15.

94. E. H. Marek. 5 miles east of Poteet, lat. 28°58', long. 98°24'. Used drilled domestic, stock and irrigation well, diameter 6 inches, depth 1,200 feet. Records available: 1944, 1948-49. May 10, 1944, 17.54; Sept. 29, 1948, 19.20; July 19, 1949, 18.34.

100. Joe A. Coughran. 7 miles east of Pleasanton, lat. 28°57', long. 98°22'. Used drilled domestic and stock well, diameter 4½ inches, depth 600 feet. Records available: 1944, 1948-49. May 18, 1944, 16.59; Sept. 29, 1948, 15.91; July 19, 1949, 14.70.

165. H. E. Whittet. 2.5 miles southwest of Rossville, lat. 29°03', long. 98°42'. Used drilled domestic and stock well, diameter 4 inches, depth 250 feet. Records available: 1910, 1929, 1944-46, 1948-49.

1910	25	Aug. 11, 1945	39.03	Sept. 27, 1948	40.48
1929-1930	34.5	Apr. 17, 1946	39.15	July 18, 1949	40.67
June 2, 1944	38.07				

168. Guy A. Bryan. 5.5 miles north of Poteet, lat. 29°06', long. 98°35'. Used drilled domestic and stock well, diameter 4 inches, depth 120 feet. Records available: 1929-30, 1944-46, 1948-49.

1929-1930	90	Aug. 7, 1945	100.23	Sept. 27, 1948	101.45
May 31, 1944	99.59	Apr. 17, 1946	100.46	July 19, 1949	101.94

169. R. L. Bruce. 4 miles north of Leming, lat. 29°06', long. 98°30'. Used drilled stock well, diameter 4 inches, depth 104 feet. Records available: 1929-30, 1944-46, 1948-49.

1929-1930	69	Aug. 10, 1945	77.85	Sept. 29, 1948	77.77
June 5, 1944	76.19	Apr. 19, 1946	79.82	July 19, 1949	77.82

177. W. R. Woods. 4.5 miles south of Rossville, lat. 29°01', long. 98°42'. Used drilled domestic and stock well, diameter 6 inches, depth 640 feet. Records available: 1929-30, 1944, 1946, 1948-49.

1929-1930	+5	Apr. 17, 1946	0.0	July 18, 1949	+0.24
June 1944	+2.0	Sept. 27, 1948	.86		

187. Dan Reed. 3 miles northwest of Poteet, lat. 29°03', long. 98°36'. Unused drilled well, diameter 10 inches, depth 666 feet. Records available: 1929-30, 1944-46, 1948-49.

1929-30	32	Aug. 7, 1945	45.31	Sept. 27, 1948	46.94
June 1, 1944	42.85	Apr. 17, 1946	44.50	July 19, 1949	46.06

196. F. Holberg. 3.75 miles west of Poteet, lat. 29°02', long. 98°38'. Used drilled irrigation well, diameter 6 inches, depth 600 feet. Records available: 1929-30, 1944-46, 1948-49.

1929-30	+3	Aug. 9, 1945	12.15	Sept. 27, 1948	19.64
May 22, 1944	8.91	Apr. 18, 1946	10.30	July 18, 1949	14.97

209. J. Ward. 0.5 mile northwest of Poteet, lat. 29°02', long. 98°35'. Unused drilled well, diameter 4 inches, depth unknown. Records available: 1929-30, 1944-46, 1948-49.

1929-1930	28	Aug. 8, 1945	36.86	Sept. 28, 1948	34.83
June 1, 1944	35.57	Apr. 18, 1946	31.78	July 19, 1949	32.62

213a. E. T. Page. 3 miles northeast of Poteet, lat. 29°03', long. 98°35'. Used drilled irrigation well, diameter 10 inches, depth 735 feet. Records available: 1948-49.

Sept. 28, 1948	76.67	July 19, 1949	75.56	Nov. 3, 1949	75.54
Feb. 14, 1949	74.14	Oct. 6	77.00	Dec. 8	75.09
May 16	74.80				

214. J. V. Gates. 1 mile northeast of Poteet, lat. 29°02', long. 98°33'. Used drilled irrigation well, diameter 8 inches, depth unknown. Records available: 1929-30, 1944-46, 1948-49.

1929-1930	25	Aug. 10, 1945	34.65	Sept. 28, 1948	35.98
May 12, 1944	32.36	Apr. 18, 1946	33.63	July 19, 1949	35.17

226. J. H. Hildreth and others. 0.5 mile southeast of Poteet, lat. 29°01', long. 98°34'. Used drilled domestic, stock and irrigation well, diameter 6 inches, depth unknown. Records available: 1929-30, 1945-46, 1948-49.

1929-1930	+15	Aug. 10, 1945	3.21	Sept. 28, 1948	3.86
May 24, 1944	+54	Apr. 18, 1946	3.32	July 19, 1949	2.41

246. A. E. Beckman. 1.5 miles east of Charlotte, lat. 23°52', long. 98°40'. Used drilled domestic and stock well, diameter 7 inches, depth 1,692 feet. Records available: 1929-30, 1944-46, 1948-49.

Date	Water level	Date	Water level	Date	Water level
1929-1930	12	Aug. 11, 1945	24.73	Sept. 27, 1948	30.11
May 11, 1944	22.82	Apr. 16, 1946	25.78	July 18, 1949	30.15

251. C. S. Young. 1.5 miles northeast of Jourdanton, lat. 28°56', long. 98°31'. Used drilled stock well, diameter 6 inches, depth 1,428 feet. Records available: 1929-30, 1944-45, 1948-49.

1929-30	10	Aug. 13, 1945	49.09	July 18, 1949	48.73
June 6, 1944	49.10	Sept. 27, 1948	49.55		

253. W. R. Rickter. 3 miles east of North Pleasanton, lat. 28°59', long. 98°26'. Used drilled domestic, stock and irrigation well, diameter 10 inches, depth 1,429 feet. Records available: 1929-30, 1944, 1948-49, 1929-1930, +2.0; Apr. 25, 1944, 6.0; Sept. 29, 1948, 8.23; July 19, 1949, 6.46.

299. H. C. McCaughn. 1.75 miles northwest of Poteet, lat. 29°03', long. 98°36'. Used drilled domestic and stock well, diameter 6 inches, depth 1,000 feet. Records available: 1929-30, 1944, 1946, 1948-49.

1929-1930	27.5	Apr. 17, 1946	37.52	July 19, 1949	39.26
June 1, 1944	36.37	Sept. 27, 1948	39.98		

337. L. B. Wier. 5 miles north of Charlotte, lat. 28°56', long. 98°43'. Used drilled domestic and stock well, diameter 5 inches, depth 1,207 feet. Records available: 1908, 1929-30, 1944-46, 1948-49.

1908	38	Aug. 11, 1945	69.68	Sept. 27, 1948	73.72
1929-1930	60	Apr. 16, 1946	70.20	July 18, 1949	73.24
June 2, 1944	67.97				

342. Henry Shearer. 4 miles east of Poteet, lat. 29°02', long. 98°30'. Used drilled domestic, stock and irrigation well, diameter 4½ inches, depth 909 feet. Records available: 1929-30, 1944, 1948-49, 1929-30, +15; Apr. 25, 1944, +1.50; Sept. 28, 1948, 2.34; July 19, 1949, 1.45.

#### Bailey County

5a. E. W. Gray. NW¼NE¼ sec. 3, blk. Z, 10 miles northwest of Muleshoe, lat. 34°17', long. 102°52'. Records available: 1937-49. Mar. 17, 66.13.

9. Fred McKillip. NE¼NW¼ sec. 21, blk. Z, 10.5 miles west of Muleshoe, lat. 34°16', long. 102°54'. Records available: 1936-49. Mar. 17, 47.40.

21a. Mrs. J. W. Gregory, Sr. NW¼NW¼ sec. 6, blk. X, 8 miles west of Muleshoe, lat. 34°15', long. 102°51'. Records available: 1936, 1938-49. Mar. 17, 34.35.

25. C. A. Wagner. NW. corner SE¼ sec. 6, blk. Z, 8 miles west of Muleshoe, lat. 34°15', long. 102°52'. Records available: 1936-49. Mar. 17, 29.90.

31. J. H. Farley. NW. corner NW¼ sec. 10, blk. X, lat. 34°14', long. 102°50'. Records available: 1936-40, 1942-43, 1946, 1948-49. Mar. 16, 24.77.

33. Mrs. J. W. Gregory. NW. corner SW¼ sec. 12, blk. X, 7 miles northwest of Muleshoe, lat. 34°15', long. 102°50'. Records available: 1936-43, 1945-49. Mar. 17, 40.13.

36. J. E. Jeter. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, blk. X, 4.75 miles northwest of Muleshoe, lat. 34°15', long. 102°48'. Records available: 1937-49. Mar. 16, 26.83.

45. H. M. Schofner. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. Y, 2.25 miles northwest of Muleshoe, lat. 34°15', long. 102°45'. Records available: 1937-49. Mar. 16, 27.55.

49. Jess Mitchell. NW corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, blk. X, 3.75 miles northwest of Muleshoe, lat. 34°15', long. 102°46'. Records available: 1934, 1936-49. Mar. 16, 30.02.

53. W. B. Gwyn, Sr. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, blk. Y, 3.25 miles northwest of Muleshoe, lat. 34°15', long. 102°45'. Records available: 1936-49. Mar. 16, 29.53.

62. Levi Churchill. NW corner SE $\frac{1}{4}$  sec. 42, blk. Y, 2.75 miles north of Muleshoe, lat. 34°15', long. 102°43'. Records available: 1936-49. Mar. 16, 36.53.

63. Sam Gorrell. NW corner SW $\frac{1}{4}$  sec. 42, blk. Y, 2.75 miles north of Muleshoe, lat. 34°15', long. 102°44'. Records available: 1936-45, 1947-49. Mar. 16, 34.02.

66. C. W. Patterson. NW corner NE $\frac{1}{4}$  sec. 41, blk. Y, 2.25 miles north of Muleshoe, lat. 34°15', long. 102°43'. Records available: 1936, 1938-48. Measurement discontinued.

67. I. W. Hardin. NW corner NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 41, blk. Y, 2.25 miles north of Muleshoe, lat. 34°15', long. 102°43'. Records available: 1936-49. Mar. 16, 34.16.

69. E. R. Hart. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 52, blk. Y, 1.75 miles north of Muleshoe, lat. 34°15', long. 102°43'. Records available: 1936-45, 1947-49. Mar. 16, 27.24.

92. L. H. McConnell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 51, blk. Y, 3.25 miles north of Muleshoe, lat. 34°16', long. 102°42'. Records available: 1936-44, 1947-49. No measurement made in 1949.

95. E. R. Hart. NW corner NW $\frac{1}{4}$  sec. 71, blk. Y, 4 miles northeast of Muleshoe, lat. 34°16', long. 102°41'. Records available: 1936-44, 1946-48. Measurement discontinued.

95a. E. R. Hart. NW corner NW $\frac{1}{4}$  sec. 71, blk. Y, 4 miles northeast of Muleshoe, lat. 34°16', long. 102°41'. Used drilled irrigation well. Replacement for well 95. Records available: 1948-49. Mar. 12, 1948, 25.54; Mar. 16, 1949, 29.92.

108a. T. L. Mounts. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, blk. W, 7 miles northeast of Muleshoe, lat. 34°16', long. 102°37'. Unused drilled irrigation well. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 18, 1946	35.50	Oct. 18, 1946	37.20	Mar. 21, 1947	36.70
Apr. 18	36.50	Nov. 18	36.90	May 18	39.10
May 18	35.70	Dec. 18	35.70	June 18	38.00
June 18	37.30	Jan. 18, 1947	36.30	Mar. 12, 1948	38.10
Sept. 18	38.50	Feb. 18	36.20	Mar. 16, 1949	41.02

116. E. R. Hart. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. W, 7 miles northeast of Muleshoe, lat. 34°16', long. 102°38'. Records available: 1934, 1936-37, 1939-44, 1947-49. Mar. 16, 32.28.

117. Allison Cassady. NW corner NW $\frac{1}{4}$  sec. 32, blk. W, 6 miles northeast of Muleshoe, lat. 34°17', long. 102°38'. Records available: 1934, 1936-44, 1946-49. Mar. 16, 40.63.

130a. Mr. Carpenter. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 34, blk. W, 6 miles northeast of Muleshoe, lat. 34°15', long. 102°38'. Used drilled irrigation well. Records available: 1948-49. Feb. 12, 1948, 22.80; Mar. 16, 1949, 27.04.

131. R. D. Precure. NW corner SW $\frac{1}{4}$  sec. 34, blk. W, 6 miles northeast of Muleshoe, lat. 34°15', long. 102°37'. Records available: 1914, 1936-44, 1946-49. Mar. 16, 26.92.

132. J. A. Ryan. NW corner SE $\frac{1}{4}$  sec. 34, blk. W, 6.5 miles northeast of Muleshoe, lat. 34°15', long. 102°37'. Records available: 1937-45, 1947-49. Mar. 16, 27.00.

135. B. H. Porter. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 47, blk. W, 5.75 miles east of Muleshoe, lat. 34°14', long. 102°37'. Measurement resumed. Records available: 1914, 1937-49, 1941-43, 1949. Mar. 16, 19.30.

136. C. A. Barnett. NW corner SE $\frac{1}{4}$  sec. 48, blk. W, 5.5 miles east of Muleshoe, lat. 34°14', long. 102°38'. Records available: 1914, 1934, 1936-49. Mar. 16, 21.32.

137. J. C. Hunt. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 48, blk. W, 4.75 miles east of Muleshoe, lat. 34°14', long. 102°38'. Records available: 1914, 1936-49. Mar. 16, 20.43.

205. W. A. Mathis. NW $\frac{1}{4}$  lab. 19, lge. 189, Ector County School land, 5 miles west of Muleshoe, lat. 34°07', long. 102°44'. Records available: 1936-39, 1941, 1943-44, 1946-49. Mar. 16, 50.80.

207. Mr. Whittington. SE $\frac{1}{4}$  lab. 22, lge. 188, 8 miles south of Muleshoe, lat. 34°06', long. 102°44'. Records available: 1936-43, 1946-49. Mar. 17, 83.95.

324a. Foard County public school land. NW $\frac{1}{4}$  lab. 15, lge. 192, 9 miles south of Muleshoe, lat. 34°05', long. 102°43'. Records available: 1937-44, 1946-49. Mar. 17, 93.42.

435. I. C. Enochs. SE $\frac{1}{4}$  lab. 69, lge. 182, 9 miles northeast of Baileyboro, lat. 33°54', long. 102°45'. Records available: 1936-44, 1947-49. Mar. 17, 18.79.

#### Bexar County

15. Robert Mechler. 6 miles east of Castroville, lat. 29°22', long. 98°46'. Records available: 1933-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	138.93	Apr. 12	133.98	Oct. 10	132.71	Dec. 21	127.95
Mar. 7	134.27	Aug. 26	131.32	Nov. 3	125.24		

26. Fuller's earth plant. 13.5 miles west of San Antonio, lat. 29°22', long. 98°42'. Records available: 1933-49.

Jan. 4	124.41	Apr. 12	119.89	Oct. 10	119.75	Dec. 21	114.70
Mar. 7	119.99	Aug. 26	117.90	Nov. 3	111.97		

28. A. J. McCulley. 8 miles west of San Antonio, lat. 29°24', long. 98°37'. Records available: 1933-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 10	81.14	Apr. 12	77.51	Oct. 10	77.87
Mar. 7	77.41	Aug. 25	76.07	Nov. 3	70.05

XB-1. Robert Boenig. 11 miles west of San Antonio, lat. 29°23', long. 98°39'. Records available: 1937-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	137.40	Apr. 12	133.18	Oct. 11	133.25	Dec. 21	128.10
Mar. 7	132.22	Aug. 25	131.61	Nov. 4	125.66		



XB-2. Oscar Bippert. 18 miles west of San Antonio, lat. 29°30', long. 98°24'. Records available: 1934, 1937-45, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 5	90.77	Apr. 12	85.87	Oct. 10	85.12
Mar. 9	86.13	Aug. 26	83.29	Nov. 3	77.69

XB-3. Beitel Church. 8 miles northeast of San Antonio, lat. 29°30', long. 98°24'. Records available: 1933-35, 1938-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	69.15	Apr. 18	66.04	Aug. 30	65.05	Nov. 7	59.52
Mar. 8	65.44	May 16	54.37	Oct. 4	65.78	Dec. 7	61.36

224. City of San Antonio. On Acme road, 5.5 miles west of post office in San Antonio, lat. 29°25', long. 98°32'. Land-surface datum is 723.75 feet above mean sea level. Records available: 1944, 1948-49.

Highest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.76	65.93	61.25	61.75	48.30	52.99	53.78	57.00	60.87	62.34	54.01	57.98
2	64.45	65.74	61.21	61.40	48.21	53.42	54.01	57.26	61.06	62.17	54.13	57.94
3	64.28	65.32	61.22	61.23	48.26	53.89	53.82	57.46	61.14	61.72	54.42	57.56
4	64.87	65.18	61.12	61.07	48.30	54.38	53.50	57.93	60.83	61.49	54.58	57.38
5	65.00	65.15	60.99	60.99	48.34	54.51	53.41	58.49	60.59	61.52	54.81	57.22
6	65.16	65.07	60.90	60.88	48.42	54.30	53.68	58.09	60.92	61.82	54.95	57.14
7	65.24	64.99	61.08	60.86	48.53	54.50	54.05	57.80	61.22	61.90	54.92	57.14
8	65.20	65.04	61.12	60.95	48.57	54.25	54.47	57.17	61.28	61.05	55.13	57.24
9	65.35	65.17	61.19	61.00	48.55	53.81	54.72	56.92	61.54	61.80	55.37	57.24
10	65.58	65.34	61.69	58.87	48.95	53.67	55.11	56.96	61.31	61.69	55.61	57.03
11	65.75	65.38	61.88	60.83	48.92	53.62	55.02	57.21	61.00	61.96	55.70	56.92
12	65.74	65.20	61.96	60.90	48.78	53.07	55.48	57.44	.....	62.17	55.97	57.00
13	65.70	65.07	61.96	61.95	48.89	52.65	56.10	57.63	.....	62.08	55.80	57.23
14	65.32	65.18	61.93	61.51	49.03	52.67	56.33	57.69	.....	62.38	55.80	57.24
15	65.08	65.12	61.72	62.54	49.02	52.78	56.13	57.72	.....	62.37	56.18	57.20
16	65.03	65.68	61.57	61.94	48.96	52.77	56.15	58.30	.....	62.30	56.38	57.14
17	64.95	65.89	61.42	62.04	49.10	52.82	56.12	58.82	.....	62.17	56.65	56.93
18	64.95	65.82	61.68	61.96	49.31	52.97	56.24	59.03	.....	62.39	56.68	56.89
19	65.15	65.74	61.65	61.60	49.57	53.06	56.72	59.30	.....	62.80	56.77	56.78
20	65.15	65.82	61.66	59.07	49.85	52.98	57.07	59.65	.....	62.73	56.69	56.89
21	64.95	65.65	61.17	58.04	49.99	53.46	57.53	59.42	.....	62.85	56.76	56.92
22	64.87	65.65	61.44	57.08	50.20	53.84	57.82	59.15	.....	60.82	57.10	57.20
23	64.63	65.37	61.47	55.92	50.24	54.20	58.05	59.79	.....	59.45	56.99	57.42
24	64.51	65.36	61.41	54.80	50.70	54.68	58.02	60.06	.....	56.67	57.07	57.40
25	64.80	65.41	61.51	51.93	51.15	54.85	57.76	60.36	61.57	54.45	57.05	57.14
26	64.76	.....	61.40	50.71	51.67	54.05	56.90	60.62	61.24	53.88	57.19	57.04
27	64.63	61.98	61.27	50.22	51.55	53.45	56.77	60.71	61.84	53.48	57.09	57.02
28	64.65	61.58	61.15	49.49	51.67	53.35	56.75	60.10	61.98	53.35	56.96	57.22
29	64.95	.....	61.33	48.86	51.58	53.41	57.07	59.62	62.22	53.44	57.79	57.24
30	65.09	.....	61.47	48.86	51.67	53.58	57.26	60.23	62.33	53.47	57.70	57.22
31	65.27	.....	61.73	.....	52.37	.....	57.42	60.74	.....	53.76	.....	57.18

436. Ed Steves & Sons. At Beverly Lodges Tourist Court, in north-east part of San Antonio, lat. 28°28', long. 98°26'. Land-surface datum is 722.56 feet above mean sea level. Records available: 1932-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	67.18	62.76	63.38	51.12	65.35	.....	59.81	62.84	64.00	55.82	59.48
2	.....	66.86	62.77	62.95	50.97	55.96	56.16	59.22	62.94	63.77	56.10	59.10
3	65.27	66.34	62.75	62.77	51.06	56.42	55.78	59.38	62.93	63.28	56.38	59.12
4	65.83	66.16	62.64	62.52	51.04	55.27	55.40	59.91	62.60	63.19	56.50	58.88
5	66.03	66.17	62.52	62.48	51.08	56.85	55.36	60.57	62.31	63.32	56.70	58.71
6	66.17	66.02	62.53	62.42	51.13	56.47	56.65	59.95	62.71	63.56	56.77	58.67
7	66.24	65.92	62.58	62.24	51.19	56.71	56.01	59.63	63.00	63.72	56.71	58.68
8	66.24	65.98	62.68	62.58	51.21	56.44	56.42	58.88	63.12	63.81	56.95	58.80
9	66.50	66.07	62.23	62.64	51.15	55.92	56.75	58.76	63.39	63.50	57.21	58.83

436--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
10	66.75	66.26	62.31	62.44	51.66	55.70	56.90	58.90	63.10	63.28	57.36	58.65
11	67.01	66.28	63.53	62.35	51.36	55.76	56.86	59.09	62.60	63.67	57.54	58.43
12	66.95	66.20	63.63	62.51	51.36	55.11	57.68	59.30	62.24	63.94	57.62	58.30
13	66.85	66.02	63.53	62.86	51.46	54.65	58.08	59.74	62.91	63.77	57.60	58.76
14	66.27	66.15	63.47	63.25	51.65	54.70	58.43	59.75	63.19	63.93	57.44	48.79
15	66.11	66.55	63.29	63.82	51.58	54.85	58.02	59.67	63.34	64.03	57.78	58.73
16	65.96	66.70	63.17	63.54	51.45	54.84	58.14	60.38	62.32	63.94	58.10	58.71
17	65.88	66.97	63.04	63.73	51.65	54.86	58.07	60.88	62.82	63.72	58.42	58.52
18	65.93	66.89	63.28	63.58	51.82	55.08	58.04	61.06	62.75	64.16	58.38	58.40
19	66.10	66.80	63.23	63.98	52.07	55.14	58.75	61.29	62.65	64.33	58.46	58.30
20	66.14	66.82	63.23	62.58	52.35	55.00	59.16	61.70	62.70	64.56	58.34	58.46
21	65.92	66.67	62.71	60.54	52.51	55.57	59.72	61.37	62.82	64.45	58.40	58.52
22	68.81	66.70	63.13	59.65	52.67	56.01	60.04	61.10	63.05	62.75	58.60	58.76
23	65.55	66.38	63.00	58.79	52.65	56.45	60.11	61.76	63.28	61.18	58.64	59.03
24	65.43	66.43	63.03	57.66	53.18	56.83	60.07	61.98	63.39	58.80	58.76	58.95
25	65.74	66.52	63.12	55.65	53.61	57.10	59.73	62.25	62.19	56.73	58.64	58.69
26	65.75	64.75	62.97	52.11	54.06	56.04	58.74	62.39	62.85	56.22	58.84	58.53
27	65.10	63.40	62.83	53.03	53.88	55.35	58.68	62.61	63.70	55.69	58.73	58.51
28	65.62	63.02	62.66	52.71	54.04	55.48	58.69	61.92	63.70	55.48	58.57	58.73
29	65.93		62.91	51.97	53.88	55.42	58.87	61.37	64.02	55.49	58.83	58.73
30	66.21		63.13	51.45	53.95	55.59	59.22	62.18	64.03	55.56	59.24	58.75
31	66.67		63.38		54.80		59.40	62.57		55.73		58.70

Brazoria County

10 Gulf, Colorado & Santa Fe Railway Co. About 200 feet north of depot at Pearland, lat. 29°33', long. 95°17'. Records available: 1931, 1936, 1943-49. Feb. 8, 112.08.

18. Humble Oil & Refining Co. In Pledger oil field, 11 miles north-west of West Columbia, lat. 29°12', long. 95°49'. Unused drilled well, diameter 4 inches, depth 473 feet. Records available: 1946, 1949. Nov. 7, 1946, 8.61; Jan. 5, 1949, 13.09; Aug. 24, 1949, 13.83.

19. Humble Oil & Refining Co. In Pledger oil field, 10 miles north-west of West Columbia, lat. 29°11', long. 95°48'. Unused drilled well, diameter 4 inches, depth 399 feet, screen at 379-399 feet. Records available: 1946, 1949. Nov. 7, 1946, 8.38; Jan. 5, 1949, 12.46; Aug. 24, 1949, 13.08.

28. Humble Oil & Refining Co. In Pledger oil field, 8.5 miles north-west of West Columbia, lat. 29°10', long. 95°47'. Unused drilled well, diameter 4 inches, depth 594 feet, screen at 582-594 feet. Records available: 1946, 1949. Nov. 7, 1946, 5.08; Jan. 5, 1949, 9.94; Aug. 24, 1949, 10.81.

30. Humble Oil & Refining Co. In Pledger oil field, 9 miles north-west of West Columbia, lat. 29°10', long. 95°47'. Unused drilled well, diameter 7 inches, depth 500 feet. Records available: 1946, 1949. Nov. 7, 1946, 9.82; Jan. 5, 1949, 12.88; Aug. 24, 1949, 13.86.

31. Humble Oil & Refining Co. In Pledger oil field, 9 miles north-west of West Columbia, lat. 29°09', long. 95°47'. Unused drilled well, diameter 4 inches, depth 618 feet, screen at 583-618 feet. Records available: 1946, 1949. Nov. 7, 1946, 4.16; Jan. 5, 1949, 8.87; Aug. 24, 1949, 9.75.

37. R. R. Farmer. 3.5 miles west of West Columbia, lat. 29°08', long. 95°42'. Unused drilled well, diameter 2 inches, depth 613 feet. Records available: 1936, 1946, 1949. Oct. 21, 1936, +8.0; Nov. 7, 1946, 15.24; Jan. 5, 1949, 18.00; Aug. 24, 1949, 18.06.

100. Phillips Petroleum Co. Near refinery at Old Ocean, lat. 29°04', long. 95°44'. Unused drilled test well, diameter 4 inches, depth 774 feet, screened only at 132-142 feet. Records available: 1942, 1944, 1946-49.

Date	Water level	Date	Water level	Date	Water level
Oct. 1942	12.0	Apr. 1948	15.36	Jan. 4, 1949	26.49
June 29, 1944	31.4	June 2	33.73	Feb. 16	38.88
Aug. 29	35.0	July 15	36.00	Mar. 18	34.80
Dec. 15	35.0	Sept. 24	36.00	June 25	30.95
Nov. 5, 1946	9.64	Oct. 19	36.98	July 24	34.64
Nov. 17, 1947	20.67	Nov. 12	38.10	Aug. 17	34.88
Mar. 1, 1948	23.50	Dec. 7	37.50	23	35.90

101. Phillips Petroleum Co. Near refinery at Old Ocean, lat. 29°04', long. 95°44'. Unused drilled test well, diameter 3½ inches, depth 161 feet. Records available: 1943, 1944, 1946-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1943	12.1	Apr. 1948	15.52	Jan. 4, 1949	25.78
June 29, 1944	32.6	June 2	30.84	Feb. 16	31.80
Aug. 29	25.0	July 15	31.57	Mar. 18	31.73
Dec. 15	34.4	Sept. 24	31.66	May 27	29.14
Nov. 5, 1946	10.16	Oct. 19	32.83	June 24	30.66
Nov. 17, 1947	24.15	Nov. 12	33.63	Aug. 17	31.16
Mar. 1, 1948	21.78	Dec. 7	32.72	23	32.27

125. The Texas Co. In Old Ocean oil field, 7.5 miles west of Brazoria, lat. 29°03', long. 95°41'. Unused drilled well, diameter 4 inches, depth 475 feet, screen at 449-470 feet. Records available: 1946, 1949. Nov. 4, 1946, flowing; Jan. 6, 1949, 3.10; Aug. 23, 1949, 4.67.

126. Peerless Carbon Co. 2 miles east of Sweeney, lat. 29°02', long. 95°39'. Used drilled industrial well, diameter 6 inches, depth 185 feet, screen at 145-185 feet. Records available: 1946, 1949. Nov. 5, 1946, 10.4; Jan. 6, 1949, 14.70; Aug. 23, 1949, 14.91.

152. Texas Prison System, Clemmens State Farm. 4 miles southeast of Brazoria, lat. 28°59', long. 95°32'. Used drilled stock well, diameter 6 inches, depth 650 feet, screen at 638-650 feet. Records available: 1942, 1946, 1949. 1942, 38.5; Nov. 14, 1946, 47.89; Jan. 6, 1949, 45.90; Aug. 23, 1949, 47.47.

308. City of Freeport well 6. At 1231 West 8th and Mesquite Streets, in Freeport, lat. 28°51', long. 95°21'. Used drilled public-supply well, diameter 14 inches, depth 249 feet, screen at 206-247 feet. Records available: 1941, 1946, 1949. June 27, 1941, 58.5; Oct. 26, 1946, 112.9; Aug. 22, 1949, 118.01.

327. City of Velasco well 2. At 517 Ave. D, in Velasco, lat. 28°52', long. 95°21'. Used drilled public-supply well, diameter 10 inches, depth 245 feet, screen at 218-245 feet. Records available: 1946, 1949. Feb. 19, 1946, 93.5; Oct. 11, 1946, 97.47; Aug. 22, 1949, 103.76.

328. City of Velasco well 1. At water tower in Velasco, lat. 28°52', long. 95°21'. Used drilled public-supply well, diameter 10 3/4 inches, depth 266 feet, screen at 216-263 feet. Records available: 1941, 1946, 1949. Aug. 30, 1941, 84; Oct. 11, 1946, 101.30; Aug. 22, 1949, 110.23.

411. Dr. B. W. Turner. 0.5 mile south of Bonney, lat. 29°18', long. 95°26'. Used drilled stock well (formerly used for rice irrigation), diameter 24 inches, depth 923 feet, screens opposite 8 sands between 191 and 916 feet. Records available: 1931, 1946, 1948-49. Apr. 13, 1931, 2.57; Nov. 15, 1946, 13.08; Dec. 31, 1948, 18.23; Aug. 29, 1949, 22.14.

413. Humble Oil & Refining Co. In Danbury oil field, 9 miles north-east of Angleton, lat. 29°16', long. 95°20'. Unused drilled well, diameter 4 inches, depth 312 feet, screen at 289-312 feet. Records available: 1946, 1948-49. July 29, 1946, 2.39; Mar. 3, 1948, 3.86; Jan. 4, 1949, 6.62; Aug. 29, 1949, 7.63.

415. Humble Oil & Refining Co. In Danbury oil field, lat. 29°16', long. 95°20'. Unused drilled well, diameter 4 inches, depth 400± feet. Records available: 1946, 1948-49. July 29, 1946, 1.06; Mar. 3, 1948, 7.40; Jan. 4, 1949, 9.98; Aug. 29, 1949, 8.39.

416. Humble Oil & Refining Co. In Danbury oil field, 10 miles north-east of Angleton, lat. 29°16', long. 95°19'. Unused drilled well, diameter 6 inches, depth 311 feet, screen at 265-306 feet. Records available: 1936, 1946, 1949. June 1936, +0.7; July 29, 1946, 1.89; Jan. 4, 1949, 12.13; Aug. 29, 1949, 8.38.

417. Humble Oil & Refining Co. In Danbury oil field, 9.5 miles north-east of Angleton, lat. 29°15', long. 95°20'. Unused drilled well, diameter 4 inches, depth 315 feet, screen at 289-310 feet. Records available: 1946, 1948-49. July 29, 1946, +0.95; Mar. 3, 1948, 7.24; Jan. 4, 1949, 9.62; Aug. 29, 1949, 5.78.

418. Humble Oil & Refining Co. In Danbury oil field, 9 miles north-east of Angleton, lat. 29°15', long. 95°20'. Unused drilled well, diameter 4 inches, depth 514 feet, screen at 491-514 feet. Records available: 1946, 1948-49. July 29, 1946, 26.76; Mar. 3, 1948, 19.51; Jan. 4, 1949, 26.65; Aug. 29, 1949, 21.94.

421. Humble Oil & Refining Co. In Danbury oil field, 10 miles north-east of Angleton, lat. 29°15', long. 95°19'. Unused drilled well, diameter 4 inches, depth 309 feet, screen at 285-309 feet. Records available: 1946, 1949. July 29, 1946, 2.48; Jan. 4, 1949, 12.13; Aug. 29, 1949, 8.72.

425. J. M. Skrabanek. 7 miles northeast of Angleton, lat. 29°11', long. 95°19'. Unused drilled irrigation well, diameter 24 inches, depth 960 feet, screens opposite 5 sands between 499 and 870 feet. Records available: 1946, 1948-49. Aug. 28, 1946, 31.25; Mar. 3, 1948, 33.96; Jan. 5, 1949, 36.70; Aug. 26, 1949, 38.19.

429. Ed Berry. 4 miles northeast of Angleton, lat. 29°11', long. 95°22'. Used drilled irrigation well, diameter 18 inches, depth 324 feet, casing slotted opposite sands below 60 feet. Records available: 1946, 1948-49. Nov. 14, 1946, 5.73; Mar. 3, 1948, 5.41; Jan. 5, 1949, 9.62.

432. Humble Oil & Refining Co. In Angleton oil field, 4 miles north of Angleton, lat. 29°13', long. 95°26'. Unused drilled well, diameter 4 inches, depth 618 feet, screen at 594-617 feet. Records available: 1946, 1948-49. Oct. 7, 1946, 8.84; Mar. 3, 1948, 15.89; Dec. 31, 1948, 11.75; Aug. 29, 1949, 11.46.

438. Humble Oil & Refining Co. In Angleton oil field, 2.75 miles northwest of Angleton, lat. 29°11', long. 95°26'. Unused drilled well, diameter 4 inches, depth 807 feet, screen at 785-807 feet. Records available: 1946, 1948-49. Oct. 7, 1946, 13.19; Mar. 3, 1948, 15.80; Dec. 31, 1948, 17.96; Aug. 29, 1949, 18.64.

441. Owner unknown. 6 miles west of Angleton, lat. 29°08', long. 95°31'. Unused drilled well, diameter 4 inches, depth 600± feet. Records available: 1946, 1948-49. Oct. 16, 1946, 13.19; Mar. 3, 1948, 14.58; Jan. 5, 1949, 15.95; Aug. 24, 1949, 15.96.

515. Otto Sens Club. 1 mile southwest of Sandy Point, lat. 29°22', long. 95°28'. Unused drilled well, diameter 2 inches, depth 900± feet. Records available: 1939, 1946, 1948-49. May 22, 1939, 9.87; July 31, 1946, 19.07; Dec. 31, 1948, 26.34; Aug. 29, 1949, 28.85.

520. Crown Central Petroleum Co. In Sandy Point oil field, 12 miles southwest of Alvin, lat. 29°23', long. 95°26'. Unused drilled well, diameter 4 inches, depth 350± feet. Records available: 1946, 1948-49. July 31, 1946, 17.01; Mar. 3, 1948, 17.46; Dec. 31, 1948, 18.86; Aug. 29, 1949, 19.26.

522. C. Martin. 2 miles southeast of Juliff, lat. 29°25', long. 95°26'. Unused drilled irrigation well, diameter 26 inches, depth 906 feet, screens opposite sand below 361 feet. Records available: 1931, 1939, 1946, 1948-49.

Date	Water level	Date	Water level	Date	Water level
Apr. 10, 1931	7.92	July 31, 1946	23.00	Dec. 31, 1948	28.04
May 22, 1939	17.36	Mar. 3, 1948	25.11	Aug. 29, 1949	26.86

526. Humble Oil & Refining Co. 2.5 miles southwest of Alvin, lat. 29°24', long. 94°17'. Unused drilled well, diameter 4 inches, depth 666 feet, screen at 631-663 feet. Records available: 1946, 1949. Aug. 27, 1946, 28.87; Jan. 4, 1949, 47.99; Aug. 19, 1949, 48.28.

544. W. G. Simpson. 1.0 mile west of Liverpool. Unused drilled irrigation well, diameter 18 inches, depth 700 feet. Records available: 1946, 1949. Aug. 29, 1946, 13.78; Jan. 6, 1949, 26.35; Aug. 19, 1949, 25.58.

552. Stanolind Oil & Gas Co. In Chocolate Bayou oil field, lat. 29°18', long. 95°15'. Unused drilled well, diameter 4 inches, depth 226 feet. Records available: 1946, 1949. July 19, 1946, 7.98; Jan. 3, 1949, 7.20; Aug. 19, 1949, 6.72.

554. Phillips Petroleum Co. In Chocolate Bayou oil field, 7 miles south of Alvin, lat. 29°19', long. 95°13'. Unused drilled well, diameter 4 inches, depth 400 feet. Records available: 1946, 1949. July 25, 1946, 24.80; Jan. 3, 1949, 30.87; Aug. 19, 1949, 31.55.

559. Dr. E. W. Andrau. 6 miles southeast of Alvin, lat. 29°20', long. 95°12'. Unused drilled irrigation well, diameter 16 inches, depth 1,185 feet, screens opposite sands between 344 and 906 feet. Records available: 1946, 1948-49. Aug. 28, 1946, 46.27; Mar. 3, 1948, 50.06; Jan. 3, 1949, 52.34; Aug. 19, 1949, 53.08.

608. The Texas Co. In Manvel oil field, 4.75 miles southwest of Pearland, lat. 29°30', long. 95°19'. Unused drilled well, diameter 7 inches, depth 632 feet, screen at 564-632 feet. Records available: 1946, 1949. July 19, 1946, 102.31; Jan. 4, 1949, 109.73; Aug. 18, 1949, 110.88.

612. C. H. Alexander. 0.5 mile north of traffic light on highway in Pearland, lat. 29°34', long. 95°17'. Records available: 1947-49. Feb. 8, 1947, 97.16; June 30, 1949, 99.11; Sept. 30, 1949, 104.50; Dec. 22, 1949, 102.51.

622. Humble Oil & Refining Co. In Hastings oil field, 4.75 miles southeast of Pearland, lat. 29°30', long. 95°13'. Unused drilled well, diameter 4 inches, depth 495 feet, screen at 452-482 feet. Records available: 1946, 1949. July 1, 1946, 89.85; Jan. 3, 1949, 103.95; Aug. 18, 1949, 107.56.

623. Stanolind Oil & Gas Co. In Hastings oil field, 4 miles southeast of Pearland, lat. 29°30', long. 95°15'. Unused drilled well, diameter 8 inches, depth 591 feet. Records available: 1946, 1948-49. June 21, 1946, 94.01; Mar. 3, 1948, 102.12; Jan. 3, 1949, 107.98; Aug. 18, 1949, 111.45.

625. Stanolind Oil & Gas Co. In Hastings oil field, 5.5 miles southeast of Pearland, lat. 29°30', long. 95°14'. Unused drilled well, diameter 8 inches, depth 417 feet. Records available: 1946, 1949. June 21, 1946, 67.19; Jan. 3, 1949, 73.01; Aug. 18, 1949, 73.21.

630. Humble Oil & Refining Co. In Hastings oil field, 5 miles southeast of Pearland, lat. 29°29', long. 95°15'. Unused drilled well, diameter 4 inches, depth 410 feet, screen at 341-371 feet. Records available: 1935, 1946, 1949. Aug. 27, 1935, 20; July 1, 1946, 65.41; Jan. 3, 1949, 74.00; Aug. 18, 1949, 75.78.

639. Gulf Oil Corporation. In Manvel oil field, 6 miles southwest of Pearland, lat.  $29^{\circ}29'$ , long.  $95^{\circ}20'$ . Used drilled domestic and stock well, diameter 6 inches, depth 480 feet, screen at 440-480 feet. Records available: 1946, 1949. July 19, 1946, 58.48; Jan. 4, 1949, 64.50; Aug. 18, 1949, 66.08.

643. The Texas Co. In Manvel oil field, 5.5 miles southwest of Pearland, lat.  $29^{\circ}30'$ , long.  $95^{\circ}20'$ . Unused drilled well, diameter 6 inches, depth 300 $\frac{1}{2}$  feet. Records available: 1946, 1949. July 18, 1946, 3.60; Jan. 4, 1949, 6.27; Aug. 18, 1949, 5.26.

644. The Texas Co. In Manvel oil field, 5.5 miles southwest of Pearland, lat.  $29^{\circ}30'$ , long.  $95^{\circ}20'$ . Unused drilled well, diameter 9 inches, depth 194 feet, screen at 172-194 feet. Records available: 1946, 1949. July 18, 1946, 12.27; Jan. 4, 1949, 12.88; Aug. 18, 1949, 13.37.

#### Briscoe County

107. M. A. Graham. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 205, blk. G & M, 6 miles southwest of Silverton, lat.  $34^{\circ}27'$ , long.  $101^{\circ}25'$ . Unused drilled irrigation well, diameter unknown, depth 200 feet. Records available: 1946, 1948-49. Mar. 14, 1946, 85.90; Aug. 31, 87.91; Mar. 12, 1948, 86.58; Mar. 14, 1949, 87.52.

119. Tom Whiteley. NW corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 53, blk. A, 8 miles southwest of Silverton, lat.  $34^{\circ}25'$ , long.  $101^{\circ}26'$ . Used drilled irrigation well, diameter unknown, depth 202 feet. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level
July 1, 1946	77.90	Jan. 24, 1947	75.20	May 7, 1947	74.20
Sept. 16	77.30	Feb.	75.20	June 6	74.50
Oct. 16	76.60	Mar. 5	74.70	July 2	75.60
Nov. 18	75.40	21	74.66	Mar. 11, 1948	77.61
Dec. 19	75.20	Apr. 9	73.80	Mar. 14, 1949	80.50

122. Datis Martin. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 49, blk. A, 7 miles southwest of Silverton, lat.  $34^{\circ}26'$ , long.  $101^{\circ}26'$ . Used drilled irrigation well, diameter unknown, depth 190 feet. Records available: 1946, 1948-49.

June 19, 1946	76.00	Aug. 16, 1946	78.30	Mar. 12, 1948	76.12
July 18	78.40	30	75.60	Mar. 14, 1949	77.78

148. Carl Wimberly. SW corner SE $\frac{1}{4}$  sec. 46, blk. B2, 10 miles southwest of Silverton, lat.  $34^{\circ}23'$ , long.  $101^{\circ}22'$ . Used drilled irrigation well, diameter unknown, depth 218 feet. Records available: 1946, 1948-49. July 1, 1946, 72.70; Mar. 11, 1948, 72.20; Mar. 14, 1949, 72.25.

159. H. H. McPherson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. B4, 13.5 miles southwest of Silverton, lat.  $34^{\circ}19'$ , long.  $101^{\circ}27'$ . Used drilled irrigation well, diameter 18 inches, depth 212 feet. Records available: 1946, 1948-49. June 26, 1946, 85.60; Aug. 25, 87.33; Mar. 12, 1948, 87.82; Mar. 11, 1949, 89.80.

168. Charles E. Wallace. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, blk. 2, 10 miles southwest of Silverton, lat.  $34^{\circ}21'$ , long.  $101^{\circ}23'$ . Used drilled irrigation well, diameter 18 inches, depth 200 feet. Records available: 1946, 1948-49.

June 18, 1946	87.20	Aug. 28, 1946	97.21	Mar. 11, 1949	91.90
26	91.80	Mar. 12, 1948	90.62		

170. Lowell Jarrett. SW corner NW $\frac{1}{4}$  sec. 18, blk. B4, 11.5 miles southwest of Silverton, lat.  $34^{\circ}20'$ , long.  $101^{\circ}24'$ . Used drilled irrigation well, diameter 16 inches, depth 220 feet. Records available: 1946-47, 1949.

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Date	Water level	Date	Water level	Date	Water level
Mar. 18, 1946	91.30	Nov. 18, 1946	93.40	Apr. 9, 1947	93.10
June 26	93.10	Dec. 19	93.30	May 7	93.30
July 18	93.30	Jan. 24, 1947	93.90	June 6	92.60
Aug. 28	96.42	Feb.	92.90	July 2	92.40
Sept. 16	95.10	Mar. 5	93.80	Mar. 11, 1949	95.25
Oct. 16	93.20	21	92.56		

225. W. A. Stephens. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, blk. B2, 7.5 miles south of Silverton, lat. 34°22', long. 101°19'. Unused drilled irrigation well, diameter 15 inches, depth 190 feet. Records available: 1946, 1948-49. Aug. 29, 1946, 77.15; Mar. 12, 1948, 76.28; Mar. 11, 1949, 76.50.

227. Watson Douglas. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, blk. B2, 9 miles south of Silverton, lat. 34°21', long. 101°20'. Unused drilled irrigation well, diameter 16 inches, depth 140 feet. Records available: 1946-49.

June 26, 1946	78.80	Dec. 19, 1946	78.40	May 7, 1947	77.80
July 18	78.20	Jan. 24, 1947	78.30	June 6	78.00
Aug. 28	78.84	Feb.	78.40	July 2	77.80
Sept. 16	78.00	Mar. 21	77.97	Mar. 11, 1948	78.24
Oct. 16	78.40	Apr. 9	77.60	Mar. 11, 1949	78.03
Nov. 18	78.30				

234. Joe Mercer. NW corner SW $\frac{1}{4}$  sec. 66, blk. B1, 5.5 miles south-east of Silverton, lat. 34°25', long. 101°15'. Used drilled irrigation well, diameter and depth unknown. Records available: 1946-49.

July 8, 1946	103.10	Dec. 19, 1946	107.80	May 7, 1947	106.10
Sept. 5	106.16	Jan. 24, 1947	102.70	June 6	103.10
16	104.65	Feb.	102.80	Mar. 12, 1948	105.05
Oct. 16	103.30	Mar. 21	102.14	Mar. 14, 1949	107.96
Nov. 18	103.00	Apr. 9	103.00		

Brooks County

202. E. C. Lasater Estate. 4 miles northwest of Falfurrias, lat. 27°14', long. 98°12'. Records available: 1932-33, 1935-38, 1941, 1943, 1945, 1947, 1949. Feb. 18, 42.75.

254a. Magnolia Petroleum Co. On W. A. Stockton lease, 1.25 miles northwest of Falfurrias, lat. 27°14', long. 98°10'. Unused drilled oil field well, diameter 4 inches, depth 500 feet. Records available: 1947-49. Feb. 15, 1947, 47.17; Feb. 9, 1948, 56.78; Feb. 18, 1949, 65.20.

266a. Col. J. E. McDonald. 50 feet south of abandoned well 266, and 2 miles northwest of Falfurrias, lat. 27°14', long. 98°10'. Used drilled domestic and stock well, diameter 6 inches, depth 601 feet. Records available: 1946-49. Mar. 13, 1946, 42.30; Feb. 15, 1947, 42.80; Feb. 9, 1948, 58.20; Feb. 18, 1949, 63.85.

270. J. W. Story. 1 mile northwest of Falfurrias, lat. 27°14', long. 98°08'. Records available: 1932-33, 1935, 1938-41, 1943-46. Measurement discontinued.

273. George Franks. 1.5 miles west of Falfurrias, lat. 27°13', long. 98°10'. Records available: 1932-33, 1935-41, 1943-47, 1949. Feb. 18, 62.26.

277a. Col. J. E. McDonald. 50 feet east of well 277 and 1 mile west of Falfurrias, lat. 27°13', long. 98°09'. Used drilled domestic and stock well, diameter 6 inches, depth unknown. Records available: 1947-49. Feb. 15, 1947, 48.72; Feb. 9, 1948, 62.00; Feb. 18, 1949, 70.00.

324. L. O. Atkinson. 1 mile south of Falfurrias, lat.  $27^{\circ}12'$ , long.  $98^{\circ}09'$ . Records available: 1932-33, 1935-41, 1943-45, 1947, 1949. Feb. 18, 19.61.

337a. John E. Boykin. 100 feet northwest of well 337 and 1.5 miles south of Falfurrias, lat.  $27^{\circ}12'$ , long.  $98^{\circ}08'$ . Used drilled irrigation well, diameter 8 inches, depth 800 feet. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1945	23.46	Feb. 18, 1947	28.59	Feb. 18, 1949	40.49
Mar. 13, 1946	25.70	Feb. 9, 1948	42.64		

340. Dr. H. M. Bennett. 2 miles south of Falfurrias, lat.  $27^{\circ}11'$ , long.  $98^{\circ}08'$ . Records available: 1932-33, 1935, 1937-41, 1943-47, 1949. Feb. 18, 33.72.

405. A. Rupp. 5 miles east of Falfurrias, lat.  $27^{\circ}13'$ , long.  $98^{\circ}03'$ . Records available: 1932-33, 1935-41, 1943-47, 1949. Feb. 21, 51.62.

474. A. Rupp. 5.5 miles southeast of Falfurrias, lat.  $27^{\circ}12'$ , long.  $98^{\circ}03'$ . Records available: 1932-33, 1935-38, 1940-41, 1943-49. Dec. 11, 1948, 47.20; Feb. 21, 1949, 44.01.

504a. Neal Rupp. 100 feet northeast of well 504 and 5.5 miles southeast of Falfurrias, lat.  $27^{\circ}12'$ , long.  $98^{\circ}03'$ . Used drilled irrigation well, diameter 8 inches, depth unknown. Records available: 1947-49. Feb. 18, 1947, 36.20; Feb. 12, 1948, 41.47; Mar. 21, 1949, 44.71.

865. Florencio Rodriguez. 4.5 miles west of Rachal, lat.  $26^{\circ}53'$ , long.  $98^{\circ}13'$ . Records available: 1933, 1935-41, 1943-45, 1947, 1949. Feb. 18, 78.60.

865a. Florencio Rodriguez. 5 miles west of Rachal, 40 feet west of well 865, lat.  $26^{\circ}53'$ , long.  $98^{\circ}13'$ . Used drilled domestic and stock well, diameter 4 inches, depth 340 feet. Records available: 1947-49. Feb. 19, 1947, 78.04; Feb. 9, 1948, 80.25; Feb. 18, 1949, 83.54.

882a. E. Villareal. 5 miles west of Rachal, near well 882, lat.  $26^{\circ}53'$ , long.  $98^{\circ}13'$ . Used drilled domestic and stock well, diameter 6 to 4 inches, depth 324 feet. Records available: 1947-49. Feb. 19, 1947, 86.89; Feb. 9, 1948, 88.30; Feb. 18, 1949, 88.83.

882b. T. G. Mangel. 5.6 miles west of Rachal, 0.6 mile west of well 882, lat.  $26^{\circ}53'$ , long.  $98^{\circ}14'$ . Used drilled domestic and stock well, diameter 4 inches, depth unknown. Records available: 1947-49. Feb. 19, 1947, 104.96; Feb. 9, 1948, 107.30; Feb. 18, 1949, 112.61.

885a. Juan Longoria. 4.5 miles west of Rachal, 40 feet northeast of well 885, lat.  $26^{\circ}53'$ , long.  $98^{\circ}11'$ . Used drilled stock well, diameter 6 inches. Records available: 1947-49. Feb. 19, 1947, 54.60; Feb. 9, 1948, 57.01; Feb. 18, 1949, 59.63.

919a. J. J. Hinojosa. In Encino, lat.  $26^{\circ}56'$ , long.  $98^{\circ}08'$ . Used drilled domestic well, diameter 4 inches, depth 336 feet. Records available: 1939-40, 1943-45, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Oct. 9, 1939	18.78	Oct. 16, 1943	21.94	Feb. 19, 1947	31.25
Feb. 18, 1940	18.63	Mar. 1, 1944	22.41	Feb. 9, 1948	33.31
Feb. 5, 1943	20.68	Mar. 10, 1945	24.55	Feb. 18, 1949	37.23

#### Castro County

4. H. J. Kuper. At railroad crossing in west edge of Summerfield, lat.  $34^{\circ}44'$ , long.  $102^{\circ}30'$ . Records available: 1937-40, 1944, 1947. Measurement discontinued.



8. Earl Cole. NW. corner SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 125, blk. M7, 4.5 miles southeast of Summerfield, lat. 34°42', long. 102°26'. Records available: 1937-49. Mar. 14, 78.76.

18. Frio Public School. NE. corner NE $\frac{1}{4}$  sec. 118, blk. M7, 11.5 miles northwest of Dimmitt, lat. 34°42', long. 102°24'. Records available: 1937-39, 1941-49. Mar. 14, 72.30.

20. H. E. Lindley. NW. corner NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 97, blk. M7, 8 miles east of Summerfield and 1.7 miles southeast of Frio Public School, lat. 34°41', long. 102°22'. Records available: 1936-49. Mar. 14, 74.57.

32. W. A. Springer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 81, blk. M7, 8 miles east of Summerfield and 2 miles east of Frio Public School, lat. 34°42', long. 102°22'. Records available: 1936-49. Mar. 14, 68.78.

36. E. O. Baker. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 72, blk. M7, 12 miles north of Dimmitt, lat. 34°43', long. 102°20'. Records available: 1937-49. Mar. 14, 91.66.

40. J. N. Burgin. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 51, blk. M7, 11 miles north of Dimmitt, lat. 34°42', long. 102°18'. Records available: 1937-42, 1944-46, 1948. No measurement made in 1949.

48. J. M. Richardson. NW. corner NW $\frac{1}{4}$  sec. 30, blk. M7, 13.2 miles east of Summerfield, lat. 34°42', long. 102°16'. Records available: 1937-49. Mar. 14, 67.56.

52. C. G. Maples. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, blk. M10A, 6.5 miles north of Dimmitt, lat. 34°38', long. 102°14'. Records available: 1937-49. Mar. 14, 79.69.

53. W. A. Hunter. SW. corner SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. M7, 11 miles east of Summerfield, lat. 34°41', long. 102°18'. Records available: 1936, 1938-49. Mar. 14, 68.10.

57. E. S. Ireland. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, blk. M7, 6 miles north of Dimmitt, lat. 34°38', long. 102°16'. Records available: 1938-44, 1947-49. Mar. 14, 80.66.

58. J. E. Tucker. SW. corner SW $\frac{1}{4}$  sec. 22, 2 miles northeast of Dimmitt, lat. 34°34', long. 102°16'. Records available: 1938-49. Mar. 14, 151.20.

201. J. C. Helman. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 339, blk. M6, 6.5 miles east of Dimmitt, lat. 34°32', long. 102°12'. Records available: 1938-44, 1947-49. Mar. 14, 152.90.

202. Frank Huseman. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 222, blk. M6, 11 miles east of Dimmitt, lat. 34°31', long. 102°06'. Records available: 1938-42, 1944-49. Mar. 14, 103.63.

202a. Frank Huseman. SW. corner SW $\frac{1}{4}$  sec. 222, blk. M6, 11.5 miles east of Dimmitt, lat. 34°31', long. 105°07'. Used drilled irrigation well, diameter 15 inches, depth 250 feet. Records available: 1944, 1946-47, 1949. Feb. 2, 1944, 142.15; Feb. 27, 1946, 142.30; Mar. 20, 1947, 142.92; Mar. 14, 1949, 146.40.

330a. Owner unknown. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 144, blk. M6, 16 miles east of Dimmitt, lat. 34°33', long. 102°02'. Used drilled irrigation well. Replacement for well 330. Records available: 1949. Mar. 14, 127.27.

339a. Harry Kleman. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 180, blk. M6, 14.5 miles southeast of Dimmitt, lat. 34°30', long. 102°03'. Records available: 1943-49. Mar. 14, 122.68.

394. R. J. Wall. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, blk. S2, 16.5 miles southeast of Dimmitt, lat. 34°23', long. 102°06'. Used drilled irrigation well, diameter 16 inches, depth 296 feet. Records available: 1939-40, 1942-49.

Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1939	91.18	Feb. 24, 1943	90.58	Jan. 14, 1947	92.56
Sept. 20	91.13	Feb. 7, 1944	91.15	Mar. 22	92.37
Aug. 30, 1940	95.28	Feb. 28, 1945	91.53	Mar. 9, 1948	93.40
Nov. 16, 1942	90.70	Feb. 27, 1946	92.70	Mar. 11, 1949	95.26

395a. J. R. Riley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. S2, 18 miles southeast of Dimmitt, lat. 34°22', long. 102°05'. Used drilled irrigation well, diameter 14 inches, depth 207 feet. Records available: 1940, 1942-49.

Feb. 19, 1940	89.97	Feb. 7, 1944	89.30	Mar. 22, 1947	90.81
Nov. 16, 1942	89.00	Feb. 28, 1945	89.43	Mar. 12, 1948	91.60
Feb. 24, 1943	88.00	Feb. 27, 1946	90.50	Mar. 11, 1949	93.14

410b. L. W. Guthrie. NW $\frac{1}{4}$  sec. 7, blk. K-3, 23.5 miles southeast of Dimmitt, lat. 34°20', long. 102°00'. Used drilled irrigation well, diameter 16 inches, depth 228 feet. Records available: 1942-49. Mar. 16, 72.53.

465. Tom Lewis. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 38, blk. T4, 9.5 miles southwest of Dimmitt, lat. 34°25', long. 102°22'. Used drilled irrigation well, diameter unknown, depth 197 feet. Records available: 1939, 1942-49.

Jan. 11, 1939	98.80	Feb. 28, 1945	94.51	Mar. 22, 1947	94.91
Nov. 13, 1942	95.60	Feb. 27, 1946	94.43	Mar. 16, 1948	95.45
Feb. 24, 1943	95.34	Jan. 14, 1947	96.97	Mar. 16, 1949	95.85
Feb. 4, 1944	94.83				

508. Sam Gilbreath. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, blk. K13, 12 miles southeast of Dimmitt, lat. 34°22', long. 102°15'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1938, 1942-44, 1946-49.

June 9, 1938	79.53	Feb. 4, 1944	76.02	Mar. 3, 1948	79.43
Nov. 17, 1942	75.53	Feb. 27, 1946	77.25	Mar. 16, 1949	80.48
Feb. 24, 1943	75.33	Mar. 22, 1947	78.40		

528a. M. H. Fawkes. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 53, blk. K13, 11 miles south of Dimmitt, lat. 34°23', long. 102°19'. Used drilled irrigation well, diameter unknown, depth 202 feet. Records available: 1942-45, 1947-49.

Aug. 21, 1942	86.85	Feb. 4, 1944	86.00	Mar. 3, 1948	90.40
Nov. 13	86.07	Nov. 20, 1945	89.05	Mar. 16, 1949	92.20
Feb. 24, 1943	85.77	Mar. 22, 1947	91.55		

529. Irving Redecker. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 52, blk. T4, 12 miles southwest of Dimmitt, lat. 34°23', long. 102°20'. Records available: 1939, 1944-49. Mar. 16, 92.24.

544a. N. F. Cleavinger. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, blk. 1, 16.5 miles south of Dimmitt, lat. 34°19', long. 102°20'. Used drilled irrigation well, diameter 14 inches, depth 161 feet. Records available: 1940, 1942-44, 1946-49.

May 13, 1940	91.26	Feb. 23, 1943	89.69	Mar. 22, 1947	91.82
Sept. 4	93.01	Feb. 4, 1944	90.07	Mar. 3, 1948	93.00
Nov. 10, 1942	92.32	Feb. 27, 1946	91.35	Mar. 16, 1949	94.46

#### Chambers County

A-17. Crumpler Bros. In Mont Belvieu, lat. 29°50', long. 94°52'. Unused drilled well, diameter 9 inches, depth 254 feet. Records available: 1941, 1943-49.

Mar. 31, 1941	50.18	Oct. 6, 1948	67.71	Nov. 7, 1949	71.85
Mar. 1, 1948	66.87	Apr. 27, 1949	67.15		

B-10. U. S. Government. 7.75 miles north of Anahuac, lat. 29°42', long. 94°41'. Used drilled stock well, diameter 4 inches, depth 96 feet. Records available: 1937, 1941, 1948-49.

Date	Water level	Date	Water level	Date	Water level
1937	27	Nov. 18, 1948	26.15	Nov. 8, 1949	24.98
May 1, 1941	28.51	Apr. 28, 1949	25.28		

C-21. U. S. Dept. of Agriculture. At old dipping vat, 8 miles northeast of Anahuac, lat. 29°42', long. 94°37'. Unused drilled well, diameter 2 inches, depth 181 feet. Records available: 1941, 1948-49. Apr. 15, 1941, 9.35; Dec. 1, 1948, 8.14; Nov. 8, 1949, 8.55.

D-17. Walter Simon. 13.5 miles northeast of Anahuac, lat. 29°41', long. 94°28'. Unused drilled irrigation well, diameter 30 inches, depth 500 feet. Records available: 1941, 1949. May 16, 1941, 6.03; Mar. 15, 1949, 6.85; Nov. 8, 1949, 5.78.

E-14. Salt Dome Oil Corporation. 6.5 miles southeast of Mont Belvieu, lat. 29°45', long. 94°51'. Used drilled domestic and stock well, diameter 5 inches, depth 475 feet, screen at 453-475 feet. Records available: 1941, 1948-49. Apr. 19, 1941, 43.44; Oct. 5, 1948, 58.40; Apr. 27, 1949, 59.13; Nov. 3, 1949, 60.58.

E-23. Dr. Shear. 8.25 miles southeast of Mont Belvieu, lat. 29°44', long. 94°50'. Unused drilled well, diameter 4 inches, depth 240 feet, screen at 230-240 feet. Records available: 1928, 1941, 1948-49.

1928	21	Oct. 5, 1948	21.38	Nov. 4, 1949	21.78
Mar. 29, 1941	18.91	Apr. 27, 1949	19.62		

E-42. A. V. Faulkenberry. 11.5 miles south of Mont Belvieu, lat. 29°41', long. 94°52'. Used drilled domestic and stock well, diameter 4 inches, depth 167 feet, screen at 157-167 feet. Records available: 1939, 1941, 1948-49.

1939	17	Oct. 5, 1948	19.70	Nov. 7, 1949	18.89
Mar. 21, 1941	18.50	Apr. 27, 1949	18.03		

E-60. Asa Wilburn. 10.75 miles south of Mont Belvieu, lat. 29°41', long. 94°54'. Used drilled stock well, diameter 3 inches, depth 94 feet. Records available: 1941, 1948-49.

Apr. 5, 1941	15.88	Oct. 6, 1948	14.48	Nov. 7, 1949	14.75
Mar. 1, 1948	14.50	Apr. 27, 1949	14.43		

E-86. S. R. Williams. 6.5 miles southwest of Mont Belvieu, lat. 29°45', long. 94°54'. Unused drilled well, diameter 4 inches, depth 387 feet. Records available: 1948-49. Mar. 1, 1948, 47.70; Oct. 6, 1948, 46.85; Apr. 27, 1949, 42.40; Nov. 4, 1949, 43.18.

E-90. Old River Rice Co. 5.75 miles south of Mont Belvieu, lat. 29°45', long. 94°53'. Unused drilled well, diameter 4 inches, depth 290 feet, screen at 275-290 feet. Records available: 1934, 1941, 1948-49.

1934	10.0	Oct. 22, 1948	9.02	Nov. 7, 1949	12.54
Apr. 2, 1941	9.51	Apr. 27, 1949	5.64		

F-25. Josh Mayes. 5 miles northwest of Anahuac, lat. 29°49', long. 94°43'. Unused drilled well, diameter 2 inches, depth 515 feet, screen at 495-515 feet. Records available: 1941, 1948-49. Apr. 24, 1941, flowing; Nov. 18, 1948, 4.74; Apr. 28, 1949, 4.44; Nov. 8, 1949, 5.65.

F-42. G. Chambliss. In Anahuac, lat. 29°45', long. 94°41'. Unused drilled well, diameter 3 inches, depth 96 feet, screen at 86-96 feet. Records available: 1941, 1948-49. July 24, 1941, 4.89; Oct. 6, 1948, 9.08; Apr. 28, 1949, 5.92; Nov. 8, 1949, 7.87.

G-8. U. S. Dept. of Agriculture. At old dipping vat, 11 miles southeast of Anahuac, lat.  $29^{\circ}34'$ , long.  $94^{\circ}30'$ . Used drilled domestic and stock well, diameter 2 inches, depth 184 feet. Records available: 1941, 1948-49. May 22, 1941, 5.54; Dec. 1, 1948, 9.45; Nov. 8, 1949, 8.81.

G-69. U. S. Dept. of Agriculture. At old dipping vat, 6.5 miles northeast of Anahuac, lat.  $29^{\circ}37'$ , long.  $94^{\circ}34'$ . Unused drilled well, diameter 2 inches, depth 445 feet. Records available: 1941, 1948-49. May 2, 1941, 5.44; Dec. 1, 1948, 11.91; Nov. 8, 1949, 12.19.

H-80. R. Barrow. 14 miles southeast of Anahuac, lat.  $29^{\circ}30'$ , long.  $94^{\circ}28'$ . Used drilled stock well, diameter 3 inches, depth 208 feet. Records available: 1941, 1948-49. May 20, 1941, 0.05; Nov. 20, 1948, 3.09; Nov. 9, 1949, +0.02.

I-8. Seacrest Park. 13.5 miles southwest of Anahuac, lat.  $29^{\circ}39'$ , long.  $94^{\circ}53'$ . Used drilled domestic well, diameter 6 inches, depth 749 feet. Records available: 1948-49. Oct. 5, 1948, 92.60; Apr. 27, 1949, 93.45; Nov. 7, 1949, 97.25.

J-13. Sun Oil Co. 10.5 miles south of Anahuac, lat.  $29^{\circ}27'$ , long.  $94^{\circ}42'$ . Used drilled industrial well, diameter 5 inches, depth 203 feet. Records available: 1944, 1949. Apr. 1944, 18.8; Mar. 17, 1949, 4.60; Nov. 9, 1949, 22.12.

K-7. R. Barrow. 8.5 miles southeast of Anahuac, lat.  $29^{\circ}29'$ , long.  $94^{\circ}37'$ . Unused drilled well, diameter 2 inches, depth 596 feet. Records available: 1948-49. Mar. 17, 1948, 2.84; Nov. 9, 1949, 6.12.

#### Cochran County

1. Beck Gin Co. Northeastern edge of Whiteface, lat.  $33^{\circ}36'$ , long.  $102^{\circ}36'$ . Records available: 1937-42, 1944-48. No measurement made in 1949.

5. Dave Linder. At dugout, 8 miles northwest of county line at Whiteface, 0.2 mile south of Highway 290, lat.  $33^{\circ}40'$ , long.  $102^{\circ}42'$ . Records available: 1937-41, 1944-49. Mar. 9, 125.55.

10. John W. Lynch. 5 miles north of Morton, lat.  $33^{\circ}47'$ , long.  $102^{\circ}45'$ . Records available: 1937-41, 1944-45, 1947-49. Mar. 9, 93.82.

11b. J. W. Lynch. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, lge. 105, 6.5 miles north of Morton, lat.  $33^{\circ}48'$ , long.  $102^{\circ}45'$ . Used drilled well, diameter and depth unknown. Replacement for well 11. Records available: 1946-49. Feb. 28, 1946, 81.08; Mar. 5, 1947, 81.31; Mar. 15, 1948, 81.05; Mar. 9, 1949, 81.25.

#### Comal County

117. Alfred Beierle. 3.5 miles southeast of Spring Branch, lat.  $29^{\circ}51'$ , long.  $98^{\circ}22'$ . Records available: 1936, 1939-43, 1945-46, 1948-49. Jan. 10, 122.20.

118. Henry Jonas Estate. 3 miles northwest of Smithson Valley, lat.  $29^{\circ}51'$ , long.  $98^{\circ}22'$ . Records available: 1937, 1939-46, 1948-49. Jan. 10, 96.82.

119. John Stricker. 4 miles southeast of Spring Branch, lat.  $29^{\circ}51'$ , long.  $98^{\circ}22'$ . Records available: 1936, 1939-46, 1948-49. Jan. 10, 171.49.

120. Albert Marek. 2 miles south of Spring Branch, lat.  $29^{\circ}51'$ , long.  $98^{\circ}24'$ . Records available: 1936, 1939-46, 1948. No measurement made in 1949.

131. J. B. Graham. 5.5 miles south of Spring Branch, lat.  $29^{\circ}49'$ , long.  $98^{\circ}24'$ . Records available: 1936, 1939-46, 1948. No measurement made in 1949.

155. George Fromme. 6 miles north of Bulverde, lat. 29°48', long. 98°25'. Records available: 1936, 1939-41, 1943-46, 1948. No measurement made in 1949.

162. O. A. Doeppenschmidt. 9 miles northeast of New Braunfels, lat. 29°46', long. 98°17'. Records available: 1939-46. Measurements discontinued.

171. Mrs. Mattie Shelburne. 3 miles northeast of Bulverde, lat. 29°47', long. 98°25'. Records available: 1936, 1939-46, 1948. No measurement made in 1949.

183. August Wehe. In Bulverde, lat. 29°44', long. 98°27'. Records available: 1936, 1939-41, 1943, 1945-46, 1948. No measurement made in 1949.

184. Chas. Willig. 1.5 miles east of Bulverde, lat. 29°44', long. 98°25'. Records available: 1936, 1939-46. Measurement discontinued.

221. Albert Simon. 4 miles north of New Braunfels, lat. 29°44', long. 98°08'. Records available: 1939-49. Feb. 10, 169.00; Apr. 18, 167.54; Aug. 25, 165.01; Dec. 7, 164.50.

222. William Kraft. 4 miles northwest of New Braunfels, lat. 29°44', long. 98°08'. Records available: 1936, 1939-46, 1948-49. Dec. 7, 178.35.

223. L. S. Davis. 4.5 miles northwest of New Braunfels, lat. 29°45', long. 98°09'. Records available: 1936, 1939-49. Feb. 10, 213.60; Apr. 19, 212.84; Aug. 25, 209.20; Dec. 7, 208.67.

225. W. H. Harborth Estate. 4 miles northwest of New Braunfels, lat. 29°44', long. 98°10'. Records available: 1936, 1939-49. Feb. 10, 181.00; Apr. 19, 180.70; Aug. 25, 176.80; Dec. 7, 176.85.

232. Krusger Bros. 8 miles northwest of New Braunfels, lat. 29°43', long. 98°13'. Records available: 1937, 1939-48. No measurement made in 1949.

263a. Walter Kappelmacher. 3.75 miles northwest of New Braunfels, lat. 29°43', long. 98°10'. Records available: 1939-49. Jan. 11, 233.90.

271. Albert Wallhoeffler. 1.5 miles northeast of Gruene station, lat. 29°45', long. 98°05'. Records available: 1936-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 10	92.10	Apr. 18	91.37	Oct. 10	90.43	Dec. 7	89.94
Mar. 9	91.71	Aug. 25	89.94	Nov. 8	89.74		

274. Charles Soechting. 3 miles northeast of Gruene station, lat. 29°46', long. 98°03'. Records available: 1937-49.

Feb. 10	154.66	Apr. 18	153.31	Oct. 10	151.75	Dec. 7	151.13
Mar. 9	153.79	Aug. 25	151.30	Nov. 8	152.84		

278. Nancy Gruene. 2.5 miles southwest of Hunter, lat. 29°46', long. 98°03'. Records available: 1936-49.

Date	Water level	Date	Water level	Date	Water level
Feb. 10	151.55	Oct. 10	148.75	Dec. 7	148.50
Aug. 25	148.67	Nov. 8	149.16		

291. Oscar Preiss. 1.1 miles southeast of Thornhill school, lat. 29°44', long. 98°06'. Records available: 1936, 1938-49.

291--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 10	55.47	Apr. 18	54.90	Oct. 10	53.84	Dec. 7	53.68
Mar. 9	55.03	Aug. 25	53.86	Nov. 8	53.38		

326. William Schaeffer. 3.5 miles west of Solms, lat. 29°38', long. 98°13'. Records available: 1934, 1936-49.

Feb. 11	43.74	Apr. 20	41.70	Oct. 10	41.65	Dec. 7	39.02
Mar. 9	43.14	Aug. 25	40.60	Nov. 8	38.44		

336. A. W. Feich. 1.5 miles southwest of Solms, lat. 29°39', long. 98°11'. Records available: 1934, 1936-49.

Feb. 11	92.27	Apr. 20	86.05	Oct. 10	89.79	Dec. 7	87.71
Mar. 9	90.54	Aug. 25	90.20	Nov. 8	87.34		

373. L. Jentsch. 1 mile east of Solms, lat. 29°40', long. 98°09'. Records available: 1936-49.

Feb. 11	29.46	Apr. 20	28.40	Oct. 10	27.31	Dec. 7	25.96
Mar. 9	28.72	Aug. 25	26.16	Nov. 8	25.73		

397. D. N. Barnett. 10 miles southwest of New Braunfels, lat. 29°42', long. 98°09'. Measurement resumed. Records available: 1937-40, 1944-45, 1948-49.

Date	Water level	Date	Water level	Date	Water level
Aug. 24, 1944	182.08	July 2, 1948	191.79	Feb. 11, 1949	192.78
May 23, 1945	175.61	Aug. 6	192.18	Mar. 9, 1949	192.78
June 21, 1948	191.71				

399. John Karback. 1.3 miles north of Gruene, lat. 29°45', long. 98°06'. Records available: 1937-49. Feb. 2, 175.69; Dec. 7, 173.43.

430. Geological Survey, U. S. Dept. of Interior. In Davenport schoolyard, 11.5 miles southwest of New Braunfels, lat. 29°37', long. 98°18'. Unused drilled well, diameter 6 inches, depth 225 feet. Land-surface datum is 851.73 feet above mean sea level. Records available: 1948-49.

Dec. 10, 1948	203.5	Dec. 21, 1948	203.77	Dec. 27, 1948	203.77
16	203.87	22	203.85	28	203.71
17	203.50	23	203.88	29	203.30
18	203.85	24	203.90	30	203.88
19	203.78	25	203.93	31	203.89
20	203.71	26	203.83		

Highest daily water level, from recorder charts, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	203.9	204.2	202.4	202.0	194.2	194.1	195.3	198.2	200.3	201.7	197.0	198.4
2	203.8	204.3	202.3	201.9	193.9	194.5	195.4	198.1	200.4	201.6	197.0	198.5
3	203.7	204.3	202.2	201.8	193.7	194.8	195.4	198.0	200.5	201.5	197.1	198.4
4	203.9	204.2	202.1	201.8	193.6	195.1	195.2	198.0	200.5	201.4	197.1	198.4
5	203.9	204.2	202.0	201.7	193.5	195.3	195.2	197.6	200.5	201.4	197.1	198.3
6	204.0	204.1	202.0	201.6	193.4	195.3	195.3	197.6	200.6	201.5	197.1	198.3
7	204.1	204.1	202.0	201.6	193.3	195.4	195.4	197.6	200.7	201.5	197.1	198.2
8	204.1	204.1	202.0	201.6	193.2	195.4	195.5	197.8	200.8	201.6	197.2	198.2
9	204.2	204.2	202.0	201.7	193.1	195.4	195.7	198.0	200.9	201.5	197.3	198.2
10	204.3	204.2	202.1	201.6	193.2	195.3	195.9	198.0	200.9	201.5	197.2	198.1
11	204.4	204.2	202.2	201.6	193.1	195.2	195.9	198.0	200.8	201.6	197.4	198.1
12	204.4	204.2	202.3	201.6	193.0	195.0	196.1	198.1	200.7	201.6	197.5	198.1
13	204.4	204.2	202.3	201.7	193.0	194.9	196.3	198.2	200.8	201.6	197.5	198.2
14	204.3	204.2	202.3	201.8	193.0	194.8	196.6	198.3	200.9	201.7	197.4	198.2
15	204.2	204.3	202.2	202.0	193.0	194.7	196.7	198.3	201.0	201.8	197.5	198.2
16	204.1	204.4	202.1	202.1	192.9	194.8	196.7	198.5	201.1	201.8	197.7	198.2
17	204.1	204.5	202.1	202.1	.....	194.8	196.7	198.7	201.0	201.8	197.8	198.1
18	204.1	204.5	202.1	202.1	192.9	194.9	196.8	198.9	200.8	201.9	197.9	198.1
19	204.1	204.5	202.1	202.1	193.0	194.9	197.0	199.1	200.9	202.0	197.9	198.0

Highest daily water level, from recorder charts, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
20	204.1	204.5	202.0	201.4	193.0	195.0	197.2	199.3	200.9	202.1	197.9	198.0
21	204.1	204.5	202.0	201.0	193.1	195.1	197.4	199.4	200.9	202.2	197.9	198.1
22	204.0	204.5	202.0	200.1	193.2	195.2	197.6	199.4	201.0	201.2	198.0	198.2
23	203.9	204.4	202.0	200.0	193.2	195.4	197.8	199.5	201.1	201.0	198.0	198.2
24	203.9	204.4	202.0	198.9	193.3	195.6	198.0	199.6	201.2	200.2	198.1	198.2
25	203.9	204.2	202.0	197.9	193.5	195.7	198.0	199.8	201.2	199.1	198.1	198.2
26	203.9	203.5	201.9	197.0	193.7	195.6	198.1	200.0	201.2	198.3	198.1	198.1
27	203.9	203.0	201.9	196.3	193.8	195.4	198.3	200.1	201.3	197.8	198.1	198.1
28	203.9	202.6	201.9	195.6	193.9	195.3	198.4	200.0	201.4	197.5	198.1	198.2
29	203.9		201.9	195.0	193.9	195.2	198.3	199.9	201.5	197.3	198.2	198.2
30	204.0		202.0	194.5	193.9	195.3	198.2	200.0	201.6	197.1	198.3	198.2
31	204.1		202.1		194.1		198.2	200.1		197.0		198.2

Crosby County

1. J. T. Vaughn. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. M, in Cone, 13 miles northwest of Crosbyton, lat. 33°47', long. 101°23'. Records available: 1937-40, 1942-44, 1946-49. Mar. 11, 115.70.

2. C. B. Travis. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. M, 11.5 miles northwest of Crosbyton, 1.85 miles south of Cone, lat. 33°46', long. 101°23'. Records available: 1937-40, 1942-44, 1947-49. Mar. 11, 109.80.

3. New Home School. NW corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  S. M. Walker survey, 10 miles northwest of Crosbyton, lat. 33°44', long. 101°23'. Records available: 1937-41, 1943-49. Mar. 11, 142.00.

3b. B. L. Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. C, 20 miles northwest of Crosbyton, lat. 33°48', long. 101°32'. Used drilled irrigation well. Records available: 1947-49. Mar. 5, 1947, 82.07; Feb. 17, 1948, 84.18; Mar. 22, 1949, 88.05.

4. J. A. McGlocklen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 114, GTRR survey, 1.75 miles north of Ralls, lat. 33°41', long. 101°23'. Measurement resumed. Records available: 1937-45, 1949. Mar. 11, 137.65.

6. Miss D. M. Ralls. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. A-278, 10 miles west of Crosbyton, lat. 33°40', long. 101°25'. Measurement resumed. Records available: 1937-40, 1946, 1949. Mar. 11, 122.95.

7. B. F. Lackey. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 920, blk. C3, 11.5 miles west of Crosbyton, lat. 33°40', long. 101°26'. Records available: 1937-49. Mar. 11, 107.33.

9. Dallas Joint Stock Land Bank. SW $\frac{1}{4}$ SW $\frac{1}{4}$  Smyer survey, 17 miles west of Crosbyton, lat. 33°40', long. 101°31'. Records available: 1937-38, 1942, 1947-49. Mar. 11, 85.68.

11b. Grady Joiner. NW corner NW $\frac{1}{4}$  sec. 54, blk. C, 18.5 miles west of Crosbyton, lat. 33°40', long. 101°33'. Used drilled irrigation well. Records available: 1947-49. Mar. 4, 1947, 84.82; Feb. 18, 1948, 86.90; Mar. 11, 1949, 89.55.

12b. John Joiner. NW corner NE $\frac{1}{4}$  sec. 36, blk. C, 18.5 miles northwest of Crosbyton, lat. 33°45', long. 101°31'. Used drilled irrigation well, diameter unknown, depth 135 feet. Records available: 1947-49. Mar. 4, 1947, 92.14; Feb. 17, 1948, 93.95; Mar. 11, 1949, 96.94.

13a. Floyd Blankenship. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 60, blk. C, 20 miles northwest of Crosbyton, lat. 33°45', long. 101°33'. Used drilled irrigation well, diameter 16 inches, depth 286 feet. Records available: 1947-49. Mar. 5, 1947, 81.69; Feb. 17, 1948, 83.59; Mar. 11, 1949, 87.70.

14. G. W. Carter. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 37, blk. C, 18.5 miles northwest of Crosbyton, lat. 33°43', long. 101°32'. Used windmill well, diameter unknown, depth 101 feet. Measurement resumed. Records available: 1938, 1949. Oct. 19, 1938, 75.60; Mar. 22, 1949, 87.18.
- 17a. G. B. Parish. NW. corner NE $\frac{1}{4}$  sec. 10, blk. C, 16.5 miles northwest of Crosbyton, lat. 33°46', long. 101°28'. Used drilled irrigation well. Records available: 1947-49. Mar. 4, 1947, 98.08; Feb. 17, 1948, 99.51; Mar. 11, 1949, 103.65.
- 21a. Lynn Foster. NW. corner SW $\frac{1}{4}$  sec. 5, blk. C, 15 miles northwest of Crosbyton, lat. 33°46', long. 101°27'. Used drilled irrigation well. Records available: 1947-49. Mar. 5, 1947, 102.06; Feb. 7, 1948, 103.81; Mar. 11, 1949, 105.94.
340. T. M. Scott. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, blk. C 3, 14.5 miles west of Crosbyton, lat. 33°39', long. 101°29'. Used drilled irrigation well. Replacement for well 8. Records available: 1948-49. Feb. 18, 1949, 90.66; Mar. 11, 1949, 92.86.
- 343c. Roy Abell. NW. corner SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 907, blk. CS, 15.5 miles west of Crosbyton, lat. 33°41', long. 101°30'. Used drilled irrigation well, diameter 16 inches, depth 369 feet. Records available: 1945, 1947, 1949. Mar. 1945, 91.00; Mar. 4, 1947, 95.33; Mar. 11, 1949, 97.65.
412. Mr. Westerman. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1074, blk. C3, 16.5 miles southwest of Crosbyton, lat. 33°36', long. 101°30'. Used drilled irrigation well. Records available: 1947-49. Mar. 4, 1947, 113.74; Feb. 18, 1948, 102.28; Mar. 11, 1949, 102.85.
- 415a. Mrs. Hendricks. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 46, blk. C, 18 miles southwest of Crosbyton, lat. 33°36', long. 101°32'. Used drilled irrigation well. Records available: 1947-49. Mar. 1, 1947, 72.30; Feb. 18, 1948, 72.45; Mar. 11, 1949, 74.15.

#### Dawson County

101. F. King. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. 35, T. 6 N., 4 miles northeast of Lamesa, lat. 32°45', long. 101°53'. Measurement resumed. Records available: 1938-40, 1944, 1949. Mar. 30, 120.20.
613. J. A. E. Gary. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 107, blk. 34, 13.75 miles northeast of Lamesa, lat. 32°55', long. 101°51'. Measurement resumed. Records available: 1937-38, 1944, 1949. Mar. 30, 54.62.
706. H. Richardson. SE. corner SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, blk. 35, 11 miles southeast of Lamesa, lat. 32°37', long. 101°49'. Measurement resumed. Records available: 1937-38, 1940, 1943-44, 1949. Mar. 31, 79.25.
709. Truett Shipley. SW. corner SW $\frac{1}{4}$  sec. 47, blk. 35, 8.5 miles southeast of Lamesa, lat. 32°38', long. 101°51'. Measurement resumed. Records available: 1937-40, 1949.
715. H. H. Barron. NW. corner SW $\frac{1}{4}$  sec. 21, blk. 35, 3.5 miles southeast of Lamesa, lat. 32°41', long. 101°54'. Measurement resumed. Records available: 1937-38, 1942-44, 1949. Mar. 30, 67.05.

#### Deaf Smith County

- 113a. Mr. Steffy. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 58, blk. K4, 13 miles north of Hereford, lat. 34°59', long. 102°23'. Used drilled irrigation well. Replacement for well 113. Records available: 1948-49. Jan. 14, 1948, 105.26; Mar. 15, 1948, 103.84; Mar. 9, 1949, 104.67.
130. Owner unknown. NE. corner J. M. Burns survey, 21.5 miles northeast of Hereford, lat. 35°05', long. 102°16'. Unused drilled well, diameter 4 inches, depth 140 feet. Records available: 1938, 1943-49.



## 130--Continued.

Date	Water level	Date	Water level	Date	Water level
June 3, 1938	130.00	Mar. 1, 1945	129.44	Mar. 15, 1948	129.69
June 23, 1943	129.54	Feb. 22, 1946	129.45	Mar. 9, 1949	129.87
Feb. 19, 1944	129.48	Mar. 19, 1947	129.67		

150. I. J. Loving. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 79, blk. K4, 10.5 miles north of Hereford, lat. 34°58', long. 102°24'. Records available: 1938-44, 1946-49. Mar. 9, 102.70.

201. W. R. Hastings. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 92, blk. K3, 8.5 miles north of Hereford, lat. 34°55', long. 102°27'. Measurement resumed. Records available: 1937-38, 1948-49. Mar. 15, 1948, 104.69; Mar. 10, 1949, 105.10.

205. J. L. McGee. NW corner NW $\frac{1}{4}$  sec. 50, blk. K3, 10 miles north of Hereford, lat. 34°57', long. 102°22'. Records available: 1937-38, 1942-46, 1948-49. Mar. 10, 93.60.

207. Charles B. Miles. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. K3, 10 miles southeast of Hereford, lat. 34°55', long. 102°18'. Records available: 1936-41, 1943-49. Mar. 10, 61.46.

212. Alfred May. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. 3, 12.5 miles northeast of Hereford, lat. 34°56', long. 102°15'. Records available: 1936-49. Mar. 8, 77.00.

216. C. C. Stewart. SW corner SE $\frac{1}{4}$  sec. 14, blk. 3, 13 miles northeast of Hereford, lat. 34°55', long. 102°12'. Records available: 1937-47, 1949. Mar. 8, 71.79.

217. W. E. Neal. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, blk. 3, 13 miles northeast of Hereford, lat. 34°54', long. 102°11'. Records available: 1936-49. Mar. 8, 90.52.

219. J. E. Manz. NE corner NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, blk. 3, 15 miles northeast of Hereford, lat. 34°57', long. 102°12'. Records available: 1937-44, 1946-49. Mar. 8, 81.88.

220. C. T. Wimberly. SW corner SW $\frac{1}{4}$  sec. 22, blk. 3, 11.5 miles northeast of Hereford, lat. 34°54', long. 102°13'. Records available: 1937-49. Mar. 8, 92.10.

224. A. T. Fry. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, blk. 3, 11 miles northeast of Hereford, lat. 34°53', long. 102°14'. Records available: 1937-44, 1946-49. Mar. 8, 61.50.

226. Jack Renfro. NW corner NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 7, blk. K3, 9 miles northeast of Hereford, lat. 34°54', long. 102°17'. Records available: 1936; 1938-49. Mar. 8, 59.25.

230. E. C. Reineaur. NW corner SW $\frac{1}{4}$  sec. 6, blk. K3, 7.5 miles northeast of Hereford, lat. 34°53', long. 102°17'. Records available: 1936-49. Mar. 8, 49.80.

234. H. M. Horton. Sec. 534, excess acreage strip, 7.75 miles northeast of Hereford, lat. 34°52', long. 102°16'. Records available: 1937-47, 1949. Mar. 10, 53.28.

235. Lewis A. Smith. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. K3, 7 miles northeast of Hereford, lat. 34°51', long. 102°17'. Records available: 1936-49. Mar. 8, 54.54.

236. Ray Kershen. SW corner SW $\frac{1}{4}$  sec. 5, blk. K3, 6.4 miles northeast of Hereford, lat. 34°51', long. 102°17'. Records available: 1937-49. Mar. 10, 54.67.

237. Ray Kershen. NW. corner NW $\frac{1}{4}$  sec. 5, blk. K3, 7 miles northeast of Hereford, lat. 34°52', long. 102°17'. Records available: 1934, 1936-49. Mar. 8, 49.00.

241. Frank Wilde. NW. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, blk. K3, 5.5 miles northeast of Hereford, lat. 34°51', long. 102°18'. Records available: 1937-49. Mar. 10, 54.54.

242. Travis Dameron. NW. corner SW $\frac{1}{4}$  sec. 24, blk. K3, 4.5 miles northeast of Hereford, lat. 34°51', long. 102°19'. Records available: 1937-48. Measurements discontinued.

245. E. F. Plank. SW. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, blk. K3, 5.5 miles northeast of Hereford, lat. 34°52', long. 102°19'. Records available: 1934, 1936-49. Mar. 10, 54.46.

247. R. R. Lindsey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, blk. K3, 7.5 miles northeast of Hereford, lat. 34°54', long. 102°20'. Records available: 1937-49. Mar. 10, 29.08.

251. R. R. Lindsey. NW. corner SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 47, blk. K3, 6.5 miles north of Hereford, lat. 34°54', long. 102°22'. Records available: 1936-48. Measurement discontinued.

258. J. R. Davis. SW. corner NE $\frac{1}{4}$  sec. 77, blk. K3, 3 miles north of Hereford, lat. 34°51', long. 102°24'. Records available: 1936-49. Mar. 9, 67.26.

261. D. L. McDonald. NW. corner NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 65, blk. K3, 4 miles north of Hereford, lat. 34°52', long. 102°24'. Records available: 1914, 1936-49. Mar. 9, 65.12.

265. Reinauer Bros. NW. corner SE $\frac{1}{4}$  sec. 74, blk. K3, 6 miles north of Hereford, lat. 34°54', long. 102°24'. Records available: 1937-49. Mar. 9, 75.00.

272. J. L. Hoffman. SW. corner SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 86, blk. K3, 5 miles northwest of Hereford, lat. 34°53', long. 102°26'. Records available: 1936-49. Mar. 9, 79.94.

281. R. A. Freeman. NW. corner NW $\frac{1}{4}$  sec. 96, blk. K3, 5.5 miles northwest of Hereford, lat. 34°52', long. 102°27'. Records available: 1937-41, 1944-49. Mar. 9, 75.91.

283. J. T. Gilbreath. North line of NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 133, blk. M7, 3 miles west of Hereford, lat. 34°48', long. 102°26'. Records available: 1936-49. Mar. 9, 67.83.

288. Lee Hopson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 63, blk. K3, 2.5 miles north of Hereford, lat. 34°51', long. 102°24'. Records available: 1936-49. Mar. 9, 77.97.

291. Roy T. Slagle. NW. corner NW $\frac{1}{4}$  sec. 59, blk. K3, 1 mile north-east of Hereford, lat. 34°50', long. 102°23'. Records available: 1936-49. Mar. 10, 69.43.

300. Ayres Estate. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 43, blk. K3, 2 miles northeast of Hereford, lat. 34°50', long. 102°22'. Records available: 1937-48. No measurement made in 1949.

301. V. C. Hodges. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 43, blk. K3, 2.6 miles northeast of Hereford, lat. 34°50', long. 102°21'. Records available: 1937-41, 1943, 1945-49. Mar. 10, 51.40.

302. Noel Ewton. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 38, blk. K3, 4 miles northeast of Hereford, lat. 34°50', long. 102°20'. Records available: 1936-49. Mar. 10, 54.37.

305. E. L. Adams. NW corner NW $\frac{1}{4}$  sec. 100, blk. K3, 3 miles west of Hereford, lat. 34°49', long. 102°27'. Used drilled irrigation well, diameter 18 inches, depth 180 feet. Records available: 1937, 1945-49.

Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1937	79.42	Feb. 26, 1946	88.04	Mar. 9, 1948	88.38
Nov. 5, 1945	87.45	Mar. 19, 1947	85.12	Mar. 9, 1949	91.16

311. H. H. Boardman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 41, blk. K3, 2 miles east of Hereford, lat. 34°48', long. 102°21'. Records available: 1934, 1936-49. Mar. 10, 53.98.

315. William Woulff. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 67, blk. M7, 3.5 miles west of Hereford, lat. 34°47', long. 102°20'. Records available: 1936-49. Mar. 10, 60.20.

322. Dr. G. W. Heard. SW corner SE $\frac{1}{4}$  sec. 112, blk. M7, 2.5 miles south of Hereford, lat. 34°46', long. 102°24'. Records available: 1936-49. Mar. 10, 84.10.

326. Frank J. Knabe. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 114, blk. M7, 4.5 miles south of Hereford, lat. 34°45', long. 102°25'. Records available: 1937-41, 1945-49. Mar. 10, 102.48.

331. Gwen Andrews. SW corner NW $\frac{1}{4}$  sec. 107, blk. M7, 4 miles south of Hereford, lat. 34°45', long. 102°24'. Records available: 1937-49. Mar. 10, 88.45.

336. George M. Clingan. SW corner NE $\frac{1}{4}$  sec. 86, blk. M7, 3.5 miles southeast of Hereford, lat. 34°46', long. 102°21'. Records available: 1936-49. Mar. 10, 97.28.

340. Felix Urbanczyk. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 108, blk. M7, 3.75 miles south of Hereford, lat. 34°45', long. 102°24'. Records available: 1936-49. Mar. 10, 86.60.

342. Ed Dziuk. SE corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 108, blk. M7, 3.5 miles south of Hereford, lat. 34°46', long. 102°23'. Records available: 1937-45, 1947-49. Mar. 10, 86.50.

394. Paul M. Helmke. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 43, blk. M7, 7 miles southeast of Hereford, lat. 34°46', long. 102°17'. Used drilled irrigation well. Records available: 1945-49.

Oct. 26, 1945	79.50	Mar. 18, 1947	79.34	Mar. 10, 1949	81.65
Feb. 28, 1946	78.75	Mar. 12, 1948	80.75		

431. S. J. Barclay. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 152, blk. M7, 4.5 miles southwest of Hereford, lat. 34°46', long. 102°27'. Records available: 1937-49. Mar. 10, 76.07.

486. Mrs. G. S. Parker. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. K8, 7 miles west of Hereford, lat. 34°51', long. 102°30'. Used drilled irrigation well, diameter 24 inches, depth 210 feet. Records available: 1937-39, 1941-42, 1944-49.

Mar. 18, 1937	71.20	Feb. 7, 1942	75.27	Feb. 28, 1946	78.18
June 25, 1938	74.12	Feb. 18, 1944	76.86	Jan. 17, 1947	79.69
Mar. 30, 1939	71.52	Mar. 1, 1945	76.33	Mar. 9, 1948	85.07
Mar. 7, 1941	76.35	Nov. 6	79.27	Mar. 9, 1949	85.07
Dec. 23	74.97				

502. Carl H. Schroeder. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 50, blk. K8, 8.5 miles west of Hereford, lat. 34°49', long. 102°32'. Records available: 1937-49. Mar. 9, 110.41.

506a. Alton Fraser. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, Gregg County school land, 9 miles west of Hereford, lat. 34°48', long. 102°33'. Used drilled windmill well. Replacement for well 506. Records available: 1948-49. Mar. 9, 1948, 81.29; Mar. 9, 1949, 82.93.

513. A. E. Acton. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 174, blk. M7, 7.5 miles southwest of Hereford, lat. 34°45', long. 102°30'. Records available: 1937-40, 1942-47. Measurement discontinued.

513a. A. E. Acton. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 174, blk. M7, 7.5 miles southwest of Hereford, lat. 34°45', long. 102°30'. Used drilled irrigation well. Replacement for well 513. Records available: 1948-49. Mar. 9, 1948, 81.38; Mar. 10, 1949, 82.76.

514. Howard Gault. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 173, blk. M7, 8 miles southwest of Hereford lat. 34°45', long. 102°30'. Records available: 1937-39, 1942-49. Mar. 10, 111.28.

919. H. Casad. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 65, blk. M7, 4.5 miles southeast of Hereford, lat. 34°46', long. 102°19'. Used drilled irrigation well, diameter 16 inches, depth 204 feet. Records available: 1939, 1941, 1945-49.

Date	Water level	Date	Water level	Date	Water level
June 29, 1939	81.80	Mar. 6, 1941	82.98	Mar. 18, 1947	87.45
Dec. 5	81.70	Oct. 29, 1945	87.05	Mar. 12, 1948	89.41
Jan. 28, 1941	83.80	Feb. 28, 1946	86.50	Mar. 10, 1949	91.24

924. Ed Dziuk. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 109, blk. M7, 1.5 miles south of Hereford, lat. 34°46', long. 102°24'. Used drilled windmill well, diameter 5 inches, depth 83 feet. Records available: 1942, 1944, 1946-47, 1949.

Feb. 6, 1942	67.84	Feb. 17, 1944	68.86	Mar. 8, 1947	73.61
Nov. 27	67.62	Feb. 28, 1946	71.70	Mar. 10, 1949	76.37

934. L. O. Wilson. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 85, blk. M7, 5 miles southeast of Hereford, lat. 34°45', long. 102°21'. Used drilled irrigation well, diameter 14 inches, depth 160 feet. Records available: 1945-49.

Oct. 25, 1945	95.70	Mar. 18, 1947	95.09	Mar. 10, 1949	98.85
Feb. 26, 1946	93.60	Mar. 15, 1948	96.75		

#### Dimmit County

M9-9. Mr. Myers. 2.5 miles southwest of Cometa, lat. 28°37', long. 104°00'. Land-surface datum is 685.65 feet above mean sea level. Records available: 1929-39, 1941-43, 1945-48. No measurement made in 1949.

N7-34. Byrd Cattle Co. 2 miles northwest of Winter Haven, lat. 28°38', long. 99°51'. Land-surface datum is 576.40 feet above mean sea level. Records available: 1929-49. Aug. 10, 62.61.

N7-78. C. Schmitt. 3 miles west of Carrizo Springs, lat. 28°31', long. 99°52'. Land-surface datum is 675.00 feet above mean sea level. Records available: 1930-33, 1935-49. Aug. 11, 111.32.

N7-125. A. J. Knaggs. Formerly owned by J. Gardner. In Carrizo Springs, lat. 28°31', long. 99°51'. Land-surface datum is 612.54 feet above mean sea level. Records available: 1930-32, 1936-49. Aug. 10, 71.80.

N8-19. E. L. O'Mera. Formerly owned by C. W. Wilkison. 2 miles southeast of Winter Haven, lat. 28°35', long. 99°49'. Land-surface datum is 602.60 feet above mean sea level. Records available: 1929-33, 1937-43, 1947-49. Aug. 11, 94.81.

N8-26. G. C. Riha. 4 miles southeast of Winter Haven, lat. 28°34', long. 99°47'. Land-surface datum is 548.80 feet above mean sea level. Records available: 1929-41, 1943-46, 1948-49. June 16, 115.58; Aug. 11, 107.77.

N8-28. G. W. Weston. 4 miles southeast of Winter Haven, lat. 28°35', long. 99°47'. Land-surface datum is 547.51 feet above mean sea level. Records available: 1929-49. Aug. 11, 106.63.

N8-40. John Stahl. 3 miles northeast of Carrizo Springs, lat. 28°32', long. 99°49'. Land-surface datum is 557.59 feet above mean sea level. Records available: 1929-33, 1935-48. No measurement made in 1949.

N8-103. Marrs McLean. 4 miles southwest of Brundage, lat. 28°30', long. 99°41'. Land-surface datum is 501.60 feet above mean sea level. Records available: 1929-32, 1935-42, 1946-49. Aug. 12, 60.53.

N9-12. Federal Land Bank. 1 mile west of Big Wells, lat. 28°34', long. 99°35'. Land-surface datum is 493.29 feet above mean sea level. Records available: 1929-43, 1948-49. Aug. 12, 44.27.

N9-16. Boyd Bros. 1.5 miles east of Big Wells, lat. 28°34', long. 99°32'. Land-surface datum is 551.05 feet above mean sea level. Records available: 1929-33, 1935, 1937, 1939, 1942-49. Aug. 12, 93.70.

N9-25. Order of Calenthia. 4 miles southeast of Brundage, lat. 28°31', long. 99°37'. Land-surface datum is 487.40 feet above mean sea level. Records available: 1929-33, 1935-40, 1942, 1944-46, 1948-49. Aug. 12, 44.30.

N9-32. P. J. Lewis. 2.5 miles south of Big Wells, lat. 28°31', long. 99°34'. Land-surface datum is 499.20 feet above mean sea level. Records available: 1929-33, 1937-41, 1947-49. Aug. 12, 52.42.

N9-33. P. J. Lewis. 2.5 miles south of Big Wells, lat. 28°31', long. 99°34'. Records available: 1932, 1936-44, 1946-49. Aug. 12, 51.32.

07-3. G. W. Hatch. 9 miles northwest of Big Wells, lat. 28°36', long. 99°26'. Land-surface datum is 604.15 feet above mean sea level. Records available: 1929-44, 1946-49. June 16, 120.60; Aug. 13, 119.77.

S1-16. G. W. Gilfillan & Son. 4.5 miles southwest of Carrizo Springs, lat. 28°27', long. 99°53'. Land-surface datum is 669.20 feet above mean sea level. Records available: 1930-33, 1936-46, 1949. Aug. 12, 64.57.

S1-18. J. C. Johnson. Formerly owned by Central Securities Co. 4.25 miles southwest of Carrizo Springs, lat. 28°22', long. 99°52'. Land-surface datum is 704.10 feet above mean sea level. Records available: 1930-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	114.32	May 11	113.82	Aug. 12	113.98	Oct. 29	114.60
Mar. 4	113.88	June 16	113.80	Sept. 22	114.44	Dec. 3	115.08
Apr. 18	114.19	July 16	113.84				

S2-24. G. S. Gay. Formerly owned by L. V. Richardson. 5.5 miles southeast of Carrizo Springs, lat. 28°27', long. 99°46'. Land-surface datum is 581.70 feet above mean sea level. Records available: 1928, 1930-33, 1935-43, 1946-49. Aug. 12, 133.47.

S2-27. J. A. McDonald. 3.5 miles northeast of Asherton, lat. 28°27', long. 99°42'. Land-surface datum is 528.35 feet above mean sea level. Records available: 1929-33, 1935-39, 1942-49. Aug. 12, 75.57.

S2-78. Mr. McClaren. Formerly owned by J. W. Robinson. 2.5 miles southwest of Asherton, lat. 28°24', long. 99°43'. Land-surface datum is 656.55 feet above mean sea level. Records available: 1929-33, 1935-49. Aug. 12, 185.17.

S2-102. J. P. Giles. Formerly owned by William H. McKinney. 3.5 miles northwest of Catarina, lat. 28°22', long. 99°40'. Land-surface datum is 581.94 feet above mean sea level. Records available: 1929-33, 1935-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	116.02	May 11	115.37	Aug. 13	114.58	Oct. 29	114.23
Mar. 4	115.59	June 16	115.11	Sept. 22	114.21	Dec. 3	114.28
Apr. 18	115.64	July 16	114.73				

S3-10. H. H. Coffield. Formerly owned by Catarina Farms Co. 4.5 miles northeast of Catarina, lat. 28°23', long. 99°33'. Land-surface datum is 544.85 feet above mean sea level. Records available: 1929-33, 1936-48. No measurement made in 1949.

S3-16. Catarina Farms Co. 2.5 miles west of Catarina, lat. 28°20', long. 99°39'. Records available: 1936-41, 1943, 1945-49. Aug. 13, 146.30.

S5-3. Catarina Farms Co. 6 miles west of Catarina, lat. 28°19', long. 99°42'. Land-surface datum is 597.20 feet above mean sea level. Records available: 1929-33, 1935-49. Aug. 13, 141.91.

S5-5. Dolph Briscoe. 13.5 miles southwest of Catarina, lat. 28°15', long. 99°48'. Land-surface datum is 612.70 feet above mean sea level. Records available: 1929-33, 1936-37, 1939-49. Aug. 13, 82.23.

S5-10. Catarina Farms Co. 5 miles southwest of Catarina, lat. 28°17', long. 99°40'. Land-surface datum is 571.20 feet above mean sea level. Records available: 1929-33, 1935-39, 1944-49. Aug. 13, 102.40.

S6-4. O. V. Ray. 1.5 miles southeast of Catarina, lat. 28°17', long. 99°40'. Land-surface datum is 482.26 feet above mean sea level. Records available: 1928, 1930-33, 1935-49. Aug. 13, 21.26.

T1-5. R. W. Wilson. Formerly owned by Bob Graves. 2.25 miles east of Valley Wells, lat. 28°27', long. 99°27'. Land-surface datum is 484.25 feet above mean sea level. Records available: 1930-32, 1934, 1936-41, 1943-49. Aug. 13, 28.01.

#### Duval County

55. L. N. Garcia. 3.7 miles west of San Diego, lat. 27°45', long. 98°17'. Records available: 1931, 1933-41, 1945, 1947-49. Feb. 15, 51.07.

61. Jose M. Sepulvida. 7 miles northwest of San Diego, lat. 27°48', long. 98°21'. Records available: 1933-41, 1943, 1945-49. Feb. 15, 43.66.

61a. Taylor Refining Co. 7 miles northwest of San Diego, 120 feet east of oil well 1, lat. 27°48', long. 98°21'. Unused drilled well, diameter 4 inches, depth unknown. Records available: 1947-49. Feb. 12, 1947, 83.73; Feb. 5, 1948, 85.28; Feb. 15, 1949, 87.00.

69. Juan Peralez. 9 miles west of San Diego, lat. 27°46', long. 98°23'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 68.90.

70. M. Cantu. 10.4 miles west of San Diego, lat. 27°46', long. 98°23'. Records available: 1931, 1933-34, 1936-41, 1948-49. Feb. 15, 51.17.

71. Helena de Pena. 11.2 miles west of San Diego, lat. 27°46', long. 98°24'. Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 15, 40.49.

73. Severo Ranjel. 11 miles west of San Diego, lat. 27°47', long. 98°25'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 34.06.

143. Celidonio Ruiz. In Benavides, lat. 27°35', long. 98°24'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 35.85.

144. Pete Coronado. In Benavides, lat. 27°35', long. 98°24'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 36.88.

157. Francisco Vaello. 1.75 miles southwest of Benavides, lat. 27°34', long. 98°26'. Measurement resumed. Records available: 1933-41, 1945, 1948-49. Feb. 5, 1948, 90.38; Feb. 15, 1949, 89.57.

158. Marcos Gomez. 1.75 miles southwest of Benavides, lat. 27°34', long. 98°25'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 92.26.
173. Ismael Garcia Estate. 2.3 miles east of Benavides, lat. 27°35', long. 98°22'. Records available: 1933-41, 1943, 1945, 1948-49. Feb. 15, 50.26.
175. Mrs. Tom Cavanaugh. 1 mile east of Benavides, lat. 27°35', long. 98°23'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 46.34.
183. Lazaro Vela. 8 miles south of San Diego, lat. 27°39', long. 98°16'. Records available: 1931, 1933-34, 1936-41, 1943, 1945, 1947-49. Feb. 15, 52.29.
184. Eusebio Alanis. 7.5 miles southwest of San Diego, lat. 27°39', long. 98°16'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 43.83.
185. Cervando Saenz. 10 miles south of San Diego, lat. 27°36', long. 98°17'. Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 15, 34.70.
187. Ranchita Anjerlina. 10.5 miles south of San Diego, lat. 27°36', long. 98°14'. Measurement resumed. Records available: 1931, 1933-35, 1937-41, 1943, 1945, 1948-49. Feb. 5, 1948, 43.73; Feb. 15, 1949, 45.19.
188. Encarnacion Pena. 1 mile north of San Jose, lat. 27°36', long. 98°17'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 74.57.
189. Pedro Lopez. At San Jose, lat. 27°34', long. 98°18'. Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 15, 61.28.
190. Margarita Lopez. About 0.5 mile south of San Jose, lat. 27°34', long. 98°18'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 43.57.
201. Maria Villareal de Saenz. 1.25 miles north of Santa Cruz, lat. 27°25', long. 98°16'. Records available: 1931, 1933-41, 1943, 1945-49. Feb. 20, 75.62.
203. N. E. Martinez. In Santa Cruz, lat. 27°24', long. 98°16'. Records available: 1933-41, 1943, 1945-49. Feb. 20, 67.68.
204. Hilario Saenz. 1 mile south of Santa Cruz, lat. 27°23', long. 98°16'. Records available: 1931-41, 1943, 1945-49. Feb. 20, 80.78.
211. J. Perez. 1.3 miles north of Concepcion, lat. 27°25', long. 98°21'. Records available: 1931, 1933-41, 1943, 1947-49. Feb. 20, 40.70.
230. San Antonio Loan & Trust Co. 3.5 miles north of Realitos, lat. 27°23', long. 98°31'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 62.25.
240. Gus Minges. 1.5 miles northeast of Realitos, lat. 27°27', long. 98°30'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 97.97.
271. J. Mann. 5.5 miles southeast of Realitos, lat. 27°22', long. 98°28'. Records available: 1933-41, 1943, 1945, 1947-49. Feb. 15, 77.29.
276. Hermann Demmier. 10.25 miles south of Realitos, lat. 27°18', long. 98°30'. Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 15, 42.36.

289. Adolfo Garcia. 3.75 miles northeast of Sejita, lat.  $27^{\circ}20'$ , long.  $98^{\circ}24'$ . Records available: 1933-41, 1943, 1945, 1947-49. Feb. 20, 44.87.

290. Andalsia Garcia. 3 miles northeast of Sejita, lat.  $27^{\circ}19'$ , long.  $98^{\circ}24'$ . Records available: 1931, 1933-38, 1940-41, 1943, 1945, 1947-49. Feb. 20, 49.41.

291a. Trinity Gas Corporation. 6.5 miles southwest of Concepcion, lat.  $27^{\circ}18'$ , long.  $98^{\circ}24'$ . Unused drilled well, diameter 4 inches, depth unknown. Records available: 1947-49. Feb. 13, 1947, 47.35; Feb. 5, 1948, 49.16; Feb. 20, 1949, 49.16.

292. Raphael Flores. 1 mile east of Sejita, lat.  $27^{\circ}18'$ , long.  $98^{\circ}25'$ . Records available: 1931, 1933-41, 1947-49. Feb. 20, 33.93.

297. San Antonio Loan & Trust Co. 6.5 miles southeast of Sejita, lat.  $27^{\circ}17'$ , long.  $98^{\circ}20'$ . Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 20, 53.89.

301. Virginia Garcia. 5 miles south of Concepcion, lat.  $27^{\circ}19'$ , long.  $98^{\circ}20'$ . Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 20, 65.95.

302. Rafael Garcia. 4.5 miles south of Concepcion, lat.  $27^{\circ}20'$ , long.  $98^{\circ}20'$ . Records available: 1933-41, 1943, 1945, 1947-49. Feb. 20, 34.67.

304. Rafael Garcia. 3 miles south of Concepcion, lat.  $27^{\circ}20'$ , long.  $98^{\circ}20'$ . Records available: 1931, 1933-41, 1943, 1945, 1947-49. Feb. 20, 58.19.

315. Ruben Schultz. 6.75 miles southwest of Santa Cruz, lat.  $27^{\circ}18'$ , long.  $98^{\circ}16'$ . Records available: 1932-39, 1941, 1943, 1945-49. Feb. 20, 48.96.

319. San Antonio Loan & Trust Co. 5.25 miles southeast of Santa Cruz, lat.  $27^{\circ}19'$ , long.  $98^{\circ}15'$ . Records available: 1931, 1933-39, 1941, 1943, 1945-49. Feb. 20, 52.24.

322. Santona Jinojosa. About 0.75 mile east of La Copita, lat.  $27^{\circ}16'$ , long.  $98^{\circ}17'$ . Records available: 1932-41, 1943, 1945-49. Feb. 20, 38.84.

322a. Santona Jinojosa. 1 mile east of La Copita, lat.  $27^{\circ}16'$ , long.  $98^{\circ}17'$ . Unused drilled well, diameter 3 inches, depth 440 feet. Records available: 1947-49. Feb. 14, 1947, 60.39; Feb. 6, 1948, 64.48; Feb. 20, 1949, 68.78.

#### El Paso County

8. El Paso Electric Co. well 4. In El Paso, at Santa Fe and Fourth Streets, lat.  $31^{\circ}45'$ , long.  $106^{\circ}29'$ . Records available: 1936-48. No measurement made in 1949.

9. El Paso Electric Co. well 3. In El Paso, at Santa Fe and Fourth Streets, lat.  $31^{\circ}45'$ , long.  $106^{\circ}29'$ . Records available: 1935-45, 1947. No measurement made in 1949.

10. City of El Paso drainage well. In El Paso, at Fourth and Oregon Streets, lat.  $31^{\circ}45'$ , long.  $106^{\circ}29'$ . Records available: 1938-48. No measurement made in 1949.

18. City of Juarez well 3. In Ciudad Chihuahua, Mexico, near Hipodromo, lat.  $31^{\circ}43'$ , long.  $106^{\circ}27'$ . Records available: 1935, 1937-38, 1940-45, 1947. No measurement made in 1949.



19. El Paso Milling Co. In El Paso, at Kansas and Eleventh Streets, lat.  $31^{\circ}44'$ , long.  $106^{\circ}28'$ . Records available: 1935-47. Measurement discontinued.

21. City of El Paso well 10. In El Paso, at Campbell and Sixth Streets, lat.  $31^{\circ}45'$ , long.  $106^{\circ}28'$ . Records available: 1934-48. No measurement made in 1949.

29a. Consumers Ice & Fuel Co. well 2. In El Paso, at Cotton and Dallas Streets, lat.  $31^{\circ}46'$ , long.  $106^{\circ}28'$ . Records available: 1939-48. Measurement discontinued.

30a. City of El Paso well 14. In El Paso, at San Antonio and Walnut Streets, lat.  $31^{\circ}46'$ , long.  $106^{\circ}27'$ . Records available: 1937-48. No measurement made in 1949.

32a. City of El Paso well 17. In El Paso, at San Antonio and Tornillo Streets, lat.  $31^{\circ}45'$ , long.  $106^{\circ}28'$ . Records available: 1939-48. No measurement made in 1949.

42. City of El Paso well 9. In El Paso, at Luna and Pera Streets, lat.  $31^{\circ}46'$ , long.  $106^{\circ}27'$ . Records available: 1934-48. No measurement made in 1949.

48a. City of El Paso well 18. In El Paso, in Hadlock addition, lat.  $31^{\circ}46'$ , long.  $106^{\circ}26'$ . Records available: 1940-49. Feb. 15, 28.15; Feb. 23, 26.69.

48b. City of El Paso test well 33. In El Paso, near Franklin Canal, lat.  $31^{\circ}45'$ , long.  $106^{\circ}25'$ . Land-surface datum is 3,696.37 feet above mean sea level. Records available: 1940-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	24.12	Apr. 20	20.53	July 21	28.82	Oct. 21	22.66
Feb. 25	20.75	May 24	23.26	Aug. 22	28.00	Nov. 21	26.89
Mar. 26	20.14	June 26	29.44	Sept. 21	21.39	Dec. 19	25.18

49. City of El Paso well 4. In El Paso, in Montana well field, lat.  $31^{\circ}46'$ , long.  $106^{\circ}26'$ . Records available: 1935, 1937-49. Feb. 15, 73.59; Feb. 23, 71.58.

50. City of El Paso well 1. In El Paso, in Montana well field, lat.  $31^{\circ}46'$ , long.  $106^{\circ}26'$ . Records available: 1935, 1937-49. No measurement made in 1949.

51. City of El Paso well 2. In El Paso, in Montana well field, lat.  $31^{\circ}46'$ , long.  $106^{\circ}25'$ . Records available: 1936-47. Measurement discontinued.

52. City of El Paso well 3. In El Paso, in Montana well field, lat.  $31^{\circ}46'$ , long.  $106^{\circ}25'$ . Records available: 1935-49. Feb. 15, 110.19; Feb. 23, 108.96.

53. Loretta College. In El Paso, at Clifton and Reynolds Streets, lat.  $31^{\circ}47'$ , long.  $106^{\circ}26'$ . Records available: 1935-49. No measurement made in 1949.

55. The Texas Co. 0.6 mile northeast of Ascarate, lat.  $31^{\circ}45'$ , long.  $106^{\circ}24'$ . Records available: 1935-49. Apr. 21, 49.27; Aug. 23, 55.94.

59. Phelps-Dodge Refining Corporation well 1. Near Southern Pacific Railway, at North Loop road, lat.  $31^{\circ}45'$ , long.  $106^{\circ}23'$ . Records available: 1935-36, 1940-45, 1947. No measurement made in 1949.

64. City of El Paso and Geological Survey test well 1. On Carlsbad Highway, 3.1 miles east of city limits, lat.  $31^{\circ}47'$ , long.  $106^{\circ}23'$ . Records available: 1937-49.

64--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	266.98	Apr. 20	267.32	July 21	267.63	Oct. 21	267.87
Feb. 25	267.20	May 24	267.50	Aug. 22	267.22	Nov. 21	268.18
Mar. 26	266.62	June 26	266.54	Sept. 21	267.85	Dec. 19	267.87

67b. Texas & New Orleans Railway Co. well 3. Near south entrance to Fort Bliss, lat.  $31^{\circ}47'$ , long.  $106^{\circ}26'$ . Records available: 1938-39, 1941-45, 1947. No measurement made in 1949.

72. U. S. Dept. of the Army, Fort Bliss well 2, lat.  $31^{\circ}48'$ , long.  $106^{\circ}25'$ . Records available: 1935-45, 1947-48. No measurement made in 1949.

75b. City of El Paso test well 10. 0.6 mile south of Wilson Road and 0.6 mile west of airport road, lat.  $31^{\circ}49'$ , long.  $106^{\circ}24'$ . Records available: 1938-49.

Jan. 31	217.85	Apr. 20	221.44	July 21	222.19	Oct. 21	220.02
Feb. 25	218.10	May 24	221.77	Aug. 22	221.48	Nov. 21	219.35
Mar. 26	219.76	June 26	222.07	Sept. 21	220.84	Dec. 19	218.69

76. City of El Paso and Geological Survey test well 2. Near south-east corner of Biggs Field, lat.  $31^{\circ}49'$ , long.  $106^{\circ}23'$ . Records available: 1936-49.

Jan. 31	246.16	Apr. 20	248.00	July 21	251.89	Oct. 21	251.79
Feb. 25	247.90	May 24	248.61	Aug. 22	251.93	Nov. 21	251.35
Mar. 26	247.43	June 26	251.74	Sept. 21	251.85	Dec. 19	250.91

77. City of El Paso well 12. In Mesa well field, lat.  $31^{\circ}49'$ , long.  $106^{\circ}24'$ . Records available: 1935-49. July 12, 230.89; Oct. 21, 226.61; Nov. 21, 224.33.

78c. City of El Paso test well 4. 1 mile north of city well 11, lat.  $31^{\circ}50'$ , long.  $106^{\circ}25'$ . Records available: 1937-49.

June 30	199.32	Sept. 2	202.51	Oct. 21	199.50	Dec. 19	199.51
Aug. 23	108.37	Sept. 20	199.40	Nov. 21	199.88		

122. City of El Paso old Mesa well 32. In Mesa well field, lat.  $31^{\circ}49'$ , long.  $106^{\circ}25'$ . Records available: 1941-48. No measurement made in 1949.

128c. City of El Paso well 23. 2.5 miles north of Mesa well field, lat.  $31^{\circ}51'$ , long.  $106^{\circ}25'$ . Records available: 1939-49.

June 30	204.06	Sept. 2	204.17	Oct. 21	204.37	Dec. 19	204.45
Aug. 23	204.17	Sept. 20	204.26	Nov. 19	204.52		

136. City of El Paso and Geological Survey test well 3. 6.9 miles north of Wilson Road, lat.  $31^{\circ}54'$ , long.  $106^{\circ}24'$ . Records available: 1936-49.

Jan. 31	248	Apr. 20	248.40	July 21	248.58	Oct. 21	248.69
Feb. 25	248	May 24	248.55	Aug. 22	248.72	Nov. 21	248.85
Mar. 26	248	June 26	248.42	Sept. 21	248.74	Dec. 19	248.70

139a. City of El Paso test well 29. 9 miles north of Mesa well field, lat.  $31^{\circ}57'$ , long.  $106^{\circ}25'$ . Records available: 1940-45, 1947-49. Feb. 9, 338.34; July 6, 337.98.

143a. City of El Paso test well 30. 12 miles north of Mesa well field, lat.  $31^{\circ}59'$ , long.  $106^{\circ}25'$ . Records available: 1940-45, 1947-49. Feb. 9, 318.23; July 6, 318.19.

Floyd County

5. M. C. Schaele. SW corner SW $\frac{1}{4}$  sec. 127, blk. D2, 11 miles northwest of Lockney, lat. 34°16', long. 101°31'. Records available: 1936-49. Mar. 4, 59.39.

14. Herman R. King. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. C9, 10 miles north of Lockney, lat. 34°16', long. 101°27'. Records available: 1936-38, 1940-49. Mar. 5, 65.86.

20. Tom McGhee. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, blk. B4, 11.5 miles north of Lockney, lat. 34°17', long. 101°25'. Used drilled irrigation well, diameter 14 inches, depth 215 feet. Records available: 1947-49. Mar. 7, 1947, 87.28; Mar. 1, 1948, 88.43; Mar. 5, 1949, 91.24.

21. W. T. Rankin. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. C 9, 11.5 miles north of Lockney, lat. 34°16', long. 101°25'. Used drilled irrigation well, diameter 16 inches, depth 185 feet. Records available: 1947-49. Mar. 7, 1947, 87.20; Mar. 1, 1948, 88.49; Mar. 5, 1949, 90.23.

32. Frank Whitfill. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, blk. C9, 9 miles north of Lockney, lat. 34°15', long. 101°24'. Records available: 1937-43; 1945-49. Mar. 5, 98.22.

42. D. Jackson. NW corner SW $\frac{1}{4}$  sec. 14, blk. C9, 8.5 miles north of Lockney, lat. 34°14', long. 101°26'. Used drilled irrigation well, diameter 16 inches, depth 196 feet. Records available: 1947-49. Mar. 7, 1947, 77.95; Mar. 1, 1948, 79.31; Mar. 10, 1949, 82.77.

53. Ben Quebe. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 99, blk. D2, 9.5 miles northwest of Lockney, lat. 34°13', long. 101°32'. Used drilled irrigation well, diameter 15.5 inches, depth 205 feet. Records available: 1937, 1940, 1947-49.

Date	Water level	Date	Water level	Date	Water level
June 3, 1937	49.88	Mar. 7, 1947	57.63	Mar. 4, 1949	62.00
Mar. 25, 1940	51.20	Mar. 1, 1948	59.35		

55. Ben Quebe. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 89, blk. D2, 8 miles northwest of Lockney, lat. 34°13', long. 101°31'. Used drilled irrigation well, diameter unknown, depth 200 feet. Records available: 1937, 1940, 1947-49.

June 3, 1937	59.14	Mar. 7, 1947	65.63	Mar. 4, 1949	70.88
Mar. 21, 1940	59.20	Mar. 1, 1948	67.49		

56. Ben Quebe. SE corner SW $\frac{1}{4}$  sec. 100, blk. D2, 8.5 miles northwest of Lockney, lat. 34°13', long. 101°31'. Used drilled irrigation well, diameter 16 inches, depth 212 feet. Records available: 1940, 1947-49. Mar. 23, 1940, 59.00; Mar. 7, 1947, 62.72; Mar. 1, 1948, 64.16; Mar. 4, 1949, 67.69.

57. T. L. Wilhite. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 87, blk. D2, 7.5 miles northwest of Lockney, lat. 34°13', long. 101°29'. Records available: 1936-49. Mar. 10, 71.20.

106. M. W. Alford. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 65, blk. D2, 7 miles northwest of Lockney, lat. 34°11', long. 101°31'. Records available: 1934, 1937-46, 1948-49. Mar. 4, 74.62.

108. Ivan Thompson. NW corner SE $\frac{1}{4}$  sec. 65, blk. D2, 6.5 miles northwest of Lockney, lat. 34°11', long. 101°31'. Records available: 1938-49. Mar. 4, 74.53.

110. Ivan Thompson. SE corner SW $\frac{1}{4}$  sec. 65, blk. D2, 6.5 miles northwest of Lockney, lat. 34°10', long. 101°31'. Used drilled irrigation well, diameter 16 inches, depth 281 feet. Records available: 1937, 1947-49. Oct. 28, 1937, 55.32; Mar. 17, 1947, 66.05; Mar. 1, 1948, 69.60; Mar. 4, 1949, 73.56.

111. Texas Land & Development Co. SW $\frac{1}{4}$ SW $\frac{1}{2}$ SW $\frac{1}{4}$  sec. 65, blk. D2, 6.5 miles northwest of Lockney, lat. 34°11', long. 101°32'. Records available: 1914, 1936-49. Mar. 4, 69.89.

112. C. J. Roach. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. D5, 7 miles northwest of Lockney, lat. 34°10', long. 101°32'. Records available: 1914, 1936-45, 1947-49. Mar. 4, 69.64.

120. Francis Carthel. NW. corner NW $\frac{1}{4}$  sec. 1, blk. D5, 4.5 miles northwest of Lockney, lat. 34°10', long. 101°28'. Records available: 1937-49. Mar. 7, 84.32.

138. John Carthel. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 49, blk. D2, 3 miles northwest of Lockney, lat. 34°09', long. 101°27'. Used drilled irrigation well, diameter 11.5 inches, depth 201 feet. Records available: 1947-49. Mar. 17, 1947, 85.67; Mar. 9, 1948, 96.05; Mar. 18, 1949, 105.98.

139. L. R. Collis. SE. corner SE $\frac{1}{4}$  sec. 2, blk. D5, 3 miles northwest of Lockney, lat. 34°09', long. 101°28'. Records available: 1914, 1934, 1937-38, 1942-49. Mar. 7, 102.96.

140. C. Williams. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, blk. D5, 3.5 miles northwest of Lockney, lat. 34°09', long. 101°28'. Records available: 1914, 1938-49. Mar. 7, 89.97.

143. Plainview-Lockney Farms. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, blk. D5, 5 miles northwest of Lockney, lat. 34°09', long. 101°30'. Records available: 1914, 1936-47, 1949. Mar. 4, 91.00.

150. Mollie S. Gholson. NW. corner NW $\frac{1}{4}$  sec. 14, blk. D5, 7 miles northwest of Lockney, lat. 34°09', long. 101°33'. Records available: 1936-48. No measurement made in 1949.

153. J. C. Thomas & Sons. SW. corner NW $\frac{1}{4}$  sec. 15, blk. D5, 6.5 miles west of Lockney, lat. 34°08', long. 101°33'. Records available: 1914, 1936-46, 1948. No measurement made in 1949.

157. Texas Land & Development Co. NW. corner NW $\frac{1}{4}$  sec. 10, blk. D5, 6 miles west of Lockney, lat. 34°09', long. 101°32'. Records available: 1934, 1937-49. Mar. 7, 77.00.

161. Texas Land & Development Co. SW. corner NE $\frac{1}{4}$  sec. 10, blk. D5, 5.5 miles west of Lockney, lat. 34°08', long. 101°31'. Records available: 1914, 1936-49. Mar. 7, 98.37.

185. Joe Anderson. Center west line sec. 64, blk. D2, 6 miles northwest of Lockney, lat. 34°11', long. 101°31'. Used drilled irrigation well, diameter 14 inches, depth 303 feet. Records available: 1945, 1947-49. Oct. 22, 1945, 66.07; Mar. 17, 1947, 68.02; Mar. 1, 1948, 71.80; Mar. 4, 1949, 76.28.

186. W. E. Whitfill. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 64, blk. D2, 5.5 miles northwest of Lockney, lat. 34°11', long. 101°30'. Used drilled irrigation well, diameter 12.5 inches, depth 194 feet. Records available: 1947-49. Mar. 17, 1947, 70.70; Mar. 1, 1948, 75.40; Mar. 7, 1949, 81.01.

216. Billie Staniforth. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 82, blk. GM, 12 miles northeast of Lockney, lat. 34°12', long. 101°15'. Used drilled irrigation well, diameter 16 inches, depth 410 feet. Records available: 1939, 1947-49. Aug. 14, 1939, 192.04; Mar. 7, 1947, 192.37; Mar. 12, 1948, 192.92; Mar. 10, 1949, 193.52.

263. Ewald Quebe. 8 miles northwest of Lockney, lat. 34°13', long. 101°30'. Used drilled irrigation well, diameter 16 inches, depth 255 feet. Records available: 1947-49. Mar. 7, 1947, 77.92; Mar. 1, 1948, 81.18; Mar. 10, 1949, 84.47.

264. H. F. Quebe. 9.5 miles northwest of Lockney, lat.  $34^{\circ}14'$ , long.  $101^{\circ}31'$ . Used drilled irrigation well, depth 220 feet. Records available: 1947-49. Mar. 7, 1947, 58.82; Mar. 12, 1948, 60.30; Mar. 4, 1949, 64.18.

265. G. B. Johnston. 8.5 miles north of Lockney, lat.  $34^{\circ}14'$ , long.  $101^{\circ}25'$ . Used drilled irrigation well, depth 201 feet. Records available: 1947-49. Mar. 7, 1947, 81.56; Mar. 1, 1948, 83.18; Mar. 5, 1949, 85.86.

326. W. C. Simms. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. 1, 2 miles east of Floydada, lat.  $33^{\circ}59'$ , long.  $101^{\circ}17'$ . Records available: 1937, 1939-43, 1945-49. Mar. 9, 150.00.

409. A. V. and J. H. Campbell. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, blk. N, 5 miles west of Lockney, lat.  $34^{\circ}06'$ , long.  $101^{\circ}31'$ . Records available: 1914, 1936-43, 1945-49. Mar. 7, 82.60.

410a. W. C. McGrede. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 44, blk. D6, 5.5 miles west of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}32'$ . Used drilled irrigation well. Replacement for well 410. Records available: 1948-49. Mar. 2, 1948, 67.80; Mar. 7, 1949, 74.98.

414. Mrs. Harriet B. Robbins. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 46, blk. D6, 4.5 miles north of Lockney, lat.  $34^{\circ}08'$ , long.  $101^{\circ}30'$ . Measurement resumed. Records available: 1914, 1938-45, 1949. Mar. 7, 98.65.

416. J. R. Belt, Jr. NW. corner NE $\frac{1}{4}$  sec. 46, blk. D6, 4.5 miles west of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}30'$ . Records available: 1938-49. Mar. 7, 98.90.

420. Walter Gloyna. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 47, blk. D6, 2.5 miles west of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}29'$ . Used drilled irrigation well. Records available: 1947-49. Mar. 17, 1947, 85.00; Mar. 2, 1948, 98.89; Mar. 8, 1949, 107.29.

421. J. R. Belt, Jr. NW. corner NW $\frac{1}{4}$  sec. 48, blk. D6, 3.5 miles west of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}29'$ . Records available: 1914, 1934, 1936-49. Mar. 8, 100.90.

423. Judson Jones. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 48, blk. D6, 3.5 miles west of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}29'$ . Used drilled irrigation well, diameter 20 inches, depth 270 feet. Records available: 1947-49. Mar. 17, 1947, 72.48; Mar. 2, 1948, 82.25; Mar. 8, 1949, 91.23.

428a. W. L. Thomas Estate. NW. corner F. Griggs survey, 3.5 miles southwest of Lockney, lat.  $34^{\circ}05'$ , long.  $101^{\circ}29'$ . Used drilled irrigation well. Replacement for well 428. Records available: 1949. Mar. 7, 1949, 82.45.

435. W. M. Summerlin. Center of L. C. Reed survey, at crossing of Burlington & Santa Fe Railways, in southwest part of Lockney, lat.  $34^{\circ}06'$ , long.  $101^{\circ}27'$ . Records available: 1947-49. Mar. 8, 98.85.

437. Lockney Oil Mill Co. On north side of Panhandle & Santa Fe Railway, lat.  $34^{\circ}06'$ , long.  $101^{\circ}25'$ . Records available: 1937-49. Mar. 8, 72.20.

441. Federal Land Bank. NW. corner NW $\frac{1}{4}$  sec. 50, blk. D3, 2 miles northeast of Lockney, lat.  $34^{\circ}08'$ , long.  $101^{\circ}24'$ . Records available: 1937-49. Mar. 7, 79.00.

442. Solon Clements. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 51, blk. D3, 2 miles east of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}24'$ . Records available: 1937-46, 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	38.24	Apr. 29	38.40	Aug. 1	38.54	Oct. 31	38.72
Feb. 28	38.24	May 31	39.56	31	38.64	Nov. 30	38.77
Mar. 31	38.34	June 30	38.50	Sept. 30	38.70	Dec. 31	38.87

448. Buck Sams. NW corner sec. 74, blk. G, 1.5 miles south of Lockney, lat.  $34^{\circ}06'$ , long.  $101^{\circ}26'$ . Used drilled irrigation well, diameter 18 inches, depth 289 feet. Records available: 1940, 1947-49. May 2, 1940, 48.57; Mar. 17, 1947, 70.65; Mar. 2, 1948, 77.06; Mar. 8, 1949, 83.24.

451. Buck Sams. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 72, blk. G, 2.5 miles southwest of Lockney, lat.  $34^{\circ}06'$ , long.  $101^{\circ}28'$ . Used drilled irrigation well, diameter 18 inches, depth 246 feet. Records available: 1937, 1947-49. Nov. 17, 1937, 48.21; Mar. 19, 1947, 68.05; Mar. 2, 1948, 77.80; Mar. 7, 1949, 88.00.

459. Texas Land & Development Co. SW corner M. Y. Price survey, 5.5 miles southwest of Lockney, lat.  $34^{\circ}04'$ , long.  $101^{\circ}30'$ . Records available: 1934, 1937-49. Mar. 7, 73.60.

463. Sam Moore. NW corner NW $\frac{1}{4}$  sec. 14, blk. N, 6 miles west of Lockney, lat.  $34^{\circ}05'$ , long.  $101^{\circ}32'$ . Records available: 1934, 1937-49. Mar. 7, 72.83.

467. C. J. Barnard. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. N, 8 miles southwest of Lockney, lat.  $34^{\circ}03'$ , long.  $101^{\circ}33'$ . Records available: 1937-49. Mar. 7, 60.86.

472. Texas Land & Development Co. NW corner J. K. Andrews survey, 5.5 miles southwest of Lockney, lat.  $34^{\circ}04'$ , long.  $101^{\circ}30'$ . Records available: 1938-49. Mar. 7, 71.68.

478. T. B. Mitchell. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 57, blk. G, 5 miles south of Lockney, lat.  $34^{\circ}03'$ , long.  $101^{\circ}28'$ . Used drilled irrigation well, diameter unknown, depth 280 feet. Records available: 1947-49. Mar. 18, 1947, 63.71; Mar. 2, 1948, 68.88; Mar. 8, 1949, 73.84.

486. Mrs. M. E. Morris. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 53, blk. O, 5.5 miles southeast of Lockney, lat.  $34^{\circ}03'$ , long.  $101^{\circ}23'$ . Records available: 1937-49. Mar. 8, 35.70.

493. Henry Schacht. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 48, blk. D6, 2.5 miles west of Lockney, lat.  $34^{\circ}07'$ , long.  $101^{\circ}29'$ . Used drilled irrigation well, diameter 18 inches, depth 275 feet. Records available: 1945, 1947-49. Oct. 27, 1945, 78.26; Mar. 17, 1947, 83.20; Mar. 2, 1948, 95.98; Mar. 8, 1949, 104.99.

496. L. Ferguson. NW corner L. C. Moore homestead sec. 48, blk. D2, 1.5 miles northwest of Lockney, lat.  $34^{\circ}08'$ , long.  $101^{\circ}27'$ . Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 17, 1947, 86.00; Mar. 1, 1948, 99.90; Mar. 7, 1949, 109.67.

510. W. R. Crow. North end of J. R. Powell survey, 8 miles southwest of Lockney, lat.  $34^{\circ}01'$ , long.  $101^{\circ}30'$ . Records available: 1937-49. Mar. 9, 59.30.

511. T. B. Mitchell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 48, blk. G, 9.5 miles northwest of Lockney, lat.  $34^{\circ}02'$ , long.  $101^{\circ}28'$ . Used drilled irrigation well, diameter 14 inches, depth 240 feet. Records available: 1937, 1947-49. Nov. 15, 1937, 46.06; Mar. 18, 1947, 60.95; Mar. 2, 1948, 65.45; Mar. 8, 1949, 68.65.

519. J. L. Faulkner. NE corner SW $\frac{1}{4}$  sec. 44, blk. G, 7.5 miles west of Floydada, lat.  $33^{\circ}59'$ , long.  $101^{\circ}27'$ . Records available: 1936-49. Mar. 9, 58.76.

523. C. F. Harris. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 41, blk. G, 7.5 miles northwest of Floydada, lat.  $34^{\circ}02'$ , long.  $101^{\circ}26'$ . Records available: 1939-49. Mar. 9, 77.90.

525. W. Fry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. G, 5.5 miles south of Lockney, lat.  $34^{\circ}02'$ , long.  $101^{\circ}24'$ . Records available: 1937-49. Mar. 8, 46.16.

529. Panhandle & Santa Fe Railway. SW. corner SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 63, blk. 1, 2 miles northwest of Floydada, 34°00', long. 101°20'. Records available: 1937-40, 1942-49. Mar. 9, 110.11.

542. R. B. Gary. SW. corner sec. 8, blk. K, 12 miles west of Floydada, lat. 33°56', long. 101°31'. Used drilled irrigation well, diameter 15 inches, depth 325 feet. Records available: 1939, 1947-49. Aug. 3, 1939, 64.39; Mar. 18, 1947, 68.72; Mar. 9, 1948, 70.70; Mar. 9, 1949, 74.27.

546. L. A. Williams. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, blk. K, 13 miles west of Floydada, lat. 33°56', long. 101°33'. Used drilled irrigation well, diameter 15.5 inches, depth 241 feet. Records available: 1937, 1947-49. Nov. 19, 1937, 61.64; Mar. 18, 1947, 68.49; Mar. 9, 1948, 70.20; Mar. 9, 1949, 74.70.

562. H. W. Carver. NW $\frac{1}{4}$  J. A. H. survey, 7 miles south of Floydada, lat. 33°52', long. 101°21'. Records available: 1937, 1939-43, 1945-46, 1948-49. Mar. 9, 138.60.

630. L. Ferguson. SW. corner SW $\frac{1}{4}$  sec. 58, blk. D2, 5 miles north of Lockney, lat. 34°11', long. 101°25'. Used drilled irrigation well, diameter 16 inches, depth 216 feet. Records available: 1947-49. Mar. 17, 1947, 98.77; Mar. 1, 1948, 103.42; Mar. 7, 1949, 107.97.

652. Buck Sams. NW. corner SW $\frac{1}{4}$  sec. 72, blk. G, 2.75 miles southwest of Lockney, lat. 34°05', long. 101°28'. Used drilled irrigation well, diameter 16 inches, depth 298 feet. Records available: 1947-49. Mar. 19, 1947, 65.76; Mar. 2, 1948, 75.70; Mar. 7, 1949, 82.55.

663. Chester Mitchell. NW. corner SW $\frac{1}{4}$  sec. 56, blk. G, 4.5 miles southwest of Lockney, lat. 34°03', long. 101°27'. Used drilled irrigation well, diameter 16 inches, depth 280 feet. Records available: 1947-49. Mar. 18, 1947, 65.75; Mar. 2, 1948, 70.12; Mar. 8, 1949, 75.78.

704. Lee Trice. NW. corner NW $\frac{1}{4}$  sec. 14, blk. G2, 3.5 miles southwest of Floydada, lat. 33°58', long. 101°23'. Used drilled irrigation well, diameter 14 inches, depth 331 feet. Records available: 1945, 1947-49. Oct. 23, 1945, 90.29; Mar. 17, 1947, 90.03; Mar. 9, 1948, 91.89; Mar. 9, 1949, 95.15.

726. Wesley Carr. SE. corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, blk. K, 13 miles southwest of Floydada, lat. 33°54', long. 101°33'. Used drilled irrigation well, diameter 16 inches, depth 380 feet. Records available: 1945, 1947-49. Oct. 13, 1945, 58.65; Mar. 18, 1947, 67.28; Mar. 9, 1948, 70.00; Mar. 9, 1949, 72.35.

727. T. B. Mitchell. 10.5 miles northwest of Floydada, lat. 34°03', long. 101°28'. Used drilled irrigation well. Records available: 1947-49. Mar. 18, 1947, 58.90; Mar. 2, 1948, 64.09; Mar. 8, 1949, 68.74.

728. R. C. Mitchell. 9 miles northwest of Floydada, lat. 34°02', long. 101°27'. Used drilled irrigation well, diameter 16 inches, depth 300 feet. Records available: 1947-49. Mar. 18, 1947, 61.88; Mar. 2, 1948, 67.00; Mar. 8, 1949, 71.92.

729. Floyd Trowbridge. 12 miles southwest of Floydada, lat. 33°55', long. 101°32'. Used drilled irrigation well, diameter 16 inches, depth 388 feet. Records available: 1947-49. Mar. 18, 1947, 75.41; Mar. 9, 1948, 75.78; Mar. 9, 1949, 79.93.

730. Raymond Williams. 3 miles southwest of Floydada, lat. 33°57', long. 101°22'. Used drilled irrigation well, diameter unknown, depth 360 feet. Records available: 1947-49. Mar. 17, 1947, 108.83; Mar. 9, 1948, 110.15; Mar. 9, 1949, 113.73.

Fort Bend County

7. C. C. Cardiff well 1. 4 miles southwest of Katy, lat. 29°44', long. 95°50'. Records available: 1931, 1933, 1939-49. Jan. 15, 68.42; Mar. 7, 67.14; Nov. 23, 72.35.

11. P. V. Cook well 3. 1.75 miles southwest of Katy, lat. 29°45', long. 95°50'. Records available: 1932-33, 1939-49. Jan. 25, 63.34; Mar. 7, 62.50; Nov. 23, 66.72.

15. P. V. Cook well 1. 3.25 miles southwest of Katy, lat. 29°44', long. 95°51'. Records available: 1931-33, 1939-49. Mar. 7, 68.05; Nov. 23, 70.65.

17. Mrs. H. L. Gordon. 5 miles south of Katy, lat. 29°42', long. 95°49'. Records available: 1940-49. Mar. 7, 61.59; Nov. 23, 66.63.

20. L. Pauli. 5.75 miles southeast of Katy, lat. 29°42', long. 95°47'. Records available: 1931, 1933, 1939-49. Nov. 23, 53.80.

21. L. Pauli. 6 miles south of Katy, lat. 29°41', long. 95°48'. Records available: 1931-33, 1939-40, 1942-49. Jan. 25, 53.41; Mar. 7, 52.32; Nov. 23, 57.77.

26. C. Pillot well 1. 10 miles southeast of Katy, lat. 29°41', long. 95°41'. Records available: 1939-49. Jan. 25, 39.18; Mar. 7, 39.82; May 20, 63.60; Nov. 23, 47.77.

29. C. Pillot well 2. 10 miles southeast of Katy, lat. 29°41', long. 95°44'. Records available: 1940-46, 1948-49. Nov. 23, 47.09.

30. B. Ray Woods well 2. 6.5 miles southwest of Katy, lat. 29°44', long. 95°55'. Records available: 1940-49. Mar. 8, 68.38; Dec. 1, 71.61.

33. Earl McMillian. 3.5 miles southwest of Katy, lat. 29°45', long. 95°52'. Records available: 1939-49. Mar. 7, 67.56; Nov. 23, 70.28.

75. Gulf Pipe Line Co. 10 miles southeast of Sugarland, lat. 29°34', long. 95°27'. Records available: 1938-49. June 30, 91.91; Sept. 20, 96.51; Dec. 22, 94.72.

77. Ansel & Brinkman. 2 miles north of Blue Ridge State Prison, lat. 29°36', long. 95°28'. Records available: 1945-49. Feb. 8, 74.91; Dec. 22, 79.02.

A-2. Southern Pacific Lines. At Simonton, lat. 29°40', long. 95°58'. Unused drilled well, diameter 6 inches, depth 1,100+ feet. Records available: 1947-49. May 14, 1947, 18.50; Mar. 4, 1948, 22.68; Sept. 7, 1949, 30.61.

B-26. M. A. McDonald. 0.25 mile southwest of Gaston triangulation station, at stock pens, lat. 29°41', long. 95°48'. Used drilled stock well, diameter 6 inches, depth 131 feet. Records available: 1947-49. Apr. 18, 1947, 47.05; Mar. 4, 1948, 50.24; Sept. 7, 1949, 75.80.

B-30. Mr. Settegast. Near old Gaston station, lat. 29°41', long. 95°46'. Used drilled stock well, diameter 8 inches, depth 156 feet. Records available: 1941-42, 1948-49.

Date	Water level	Date	Water level	Date	Water level
June 2, 1941	40.40	Mar. 17, 1942	36.79	Mar. 4, 1948	43.53
Oct. 22	39.67	Sept. 22	42.45	Sept. 7, 1949	75.56
Jan. 19, 1942	37.22				

D-15. Humble Oil & Refining Co. 1.75 miles northwest of Arcola, lat. 29°31', long. 95°28'. Unused drilled well, diameter 4 inches, depth 584 feet, screen at 560-583 feet. Records available: 1947-49. May 15, 1947, 54.83; Dec. 31, 1948, 63.95; Aug. 30, 1949, 67.23.



D-16. Julia Tague. 0.15 mile east of crossroads at Arcola, lat. 29°30', long. 95°27'. Unused drilled well, diameter 4 inches, depth 459 feet. Records available: 1947-49. May 5, 1947, 35.19; Dec. 31, 1948, 40.42; Aug. 30, 1949, 41.47.

D-22. Humble Oil & Refining Co. 6 miles southeast of Sugarland, lat. 29°32', long. 95°34'. Unused drilled well, diameter 4 inches, depth 448 feet, screen at 426-446 feet. Records available: 1947-49. May 1, 1947, 40.93; Dec. 30, 1948, 53.45; Aug. 30, 1949, 55.05.

E-2. A. E. Myers. In Booth, lat. 29°31', long. 95°59'. Used drilled well, diameter 6 5/8 inches, depth 720 feet, screen at 627-674 feet. Records available: 1944, 1947-49. Dec. 4, 1944, 30; Apr. 30, 1947, 37.05; Dec. 30, 1948, 47.76; Sept. 6, 1949, 49.35.

E-3. A. E. Myers. In Booth, lat. 29°31', long. 95°39'. Rarely used drilled well, diameter 4 inches, depth 300 feet. Records available: 1947-49. Apr. 30, 1947, 27.61; Dec. 30, 1948, 24.47; Sept. 6, 1949, 34.63.

E-9. Humble Oil & Refining Co. 4 miles southeast of Sugarland, lat. 29°33', long. 95°36'. Unused drilled well, diameter 5 inches, depth 484 feet, screen at 453-478 feet. Records available: 1947-49. May 1, 1947, 33.67; Dec. 30, 1948, 47.95; Sept. 1, 1949, 48.30.

E-10. Humble Oil & Refining Co. 4 miles southeast of Sugarland, lat. 29°36', long. 95°36'. Unused drilled well, diameter 5 inches, depth 671 feet. Records available: 1947-49. May 1, 1947, 38.30; Dec. 30, 1948, 51.32; Sept. 1, 1949, 53.34.

E-11. Humble Oil & Refining Co. 5 miles southeast of Sugarland, lat. 29°33', long. 95°35'. Unused drilled well, diameter 6-5/8 inches, depth 716 feet, screen at 671-715 feet. Records available: 1947-49. May 1, 1947, 40.36; Dec. 30, 1948, 53.33; Aug. 30, 1949, 55.28.

E-21. Texas Prison System, Central State Farm No. 2. 1.5 miles west of Sugarland, lat. 29°36', long. 95°39'. Unused drilled well, diameter 3 inches, depth 257 feet. Records available: 1930, 1947-49. Oct. 23, 1930, 19.0; May 8, 1947, 31.74; Dec. 30, 1948, 42.06; Aug. 30, 1949, 43.72.

E-22. Texas Prison System, Central State Farm No. 2. 1.5 miles west of Sugarland, lat. 29°36', long. 95°39'. Used drilled industrial well, diameter 8 inches, depth 700 feet. Records available: 1945, 1947-49. Apr. 1945, 32; May 8, 1947, 38.24; Dec. 30, 1948, 46.85; Aug. 30, 1949, 46.10.

F-37. Cockburn Oil Co. On K. Dzierzanowski lease, 3.5 miles southwest of Rosenberg, lat. 29°31', long. 95°51'. Unused drilled well, diameter 4 inches, depth 243 feet. Records available: 1947-49. Apr. 26, 1947, 36.71; Dec. 29, 1948, 40.26; Aug. 31, 1949, 42.33.

F-46. W. L. Ansel well 1. 6.5 miles northwest of Rosenberg, lat. 29°35', long. 95°54'. Used drilled irrigation well, diameter 18 inches, depth 445 feet, casing slotted below 90 feet. Records available: 1947-49. Apr. 24, 1947, 42.93; Dec. 29, 1948, 49.06. No measurement made in 1949.

F-50. W. L. Ansel well 2. 7 miles northwest of Rosenberg, lat. 29°36', long. 95°54'. Used drilled irrigation well, diameter 18 inches, depth 438 feet, casing slotted below 91 feet. Records available: 1947-49. Apr. 24, 1947, 43.66; Mar. 4, 1948, 46.99; Dec. 29, 1948, 50.19; Aug. 31, 1949, 51.13.

G-25. Gulf Oil Corporation. On J. M. Moore lease, 3 miles southeast of Orchard, lat. 29°33', long. 95°56'. Unused drilled well, diameter 6 inches, depth 173 feet. Records available: 1947, 1949. May 21, 1947, 32.23; Aug. 31, 1949, 33.35.

H-16. Jack Wendt well 1. 3.5 miles southeast of Kendleton, lat. 29°25', long. 95°56'. Used drilled irrigation well, diameter 18 inches, depth 397 feet, casing slotted below 112 feet. Records available: 1947-49. Apr. 14, 1947, 22.26; Mar. 4, 1948, 23.52; Dec. 29, 1948, 25.75; Aug. 31, 1949, 31.15.

I-15. Gulf Oil Corporation. On T. W. Davis lease, 3 miles north of Fairchilds, lat.  $29^{\circ}28'$ , long.  $95^{\circ}45'$ . Rarely used drilled oilfield well, diameter 6 inches, depth 86 feet. Records available: 1947-49. Apr. 30, 1947, 9.24; Dec. 29, 1948, 12.45; Sept. 2, 1949, 13.35.

I-16. Gulf Oil Corporation. On T. W. Davis lease, 3 miles north of Fairchilds, lat.  $29^{\circ}28'$ , long.  $95^{\circ}45'$ . Used drilled oil-field well, diameter 6 inches, depth 86 feet. Records available: 1947-49. Apr. 30, 1947, 13.95; Dec. 29, 1948, 16.80; Sept. 2, 1949, 16.78.

I-22. Walter Gless. 1.7 miles southeast of Fairchilds, lat.  $29^{\circ}25'$ , long.  $95^{\circ}45'$ . Used drilled irrigation well, diameter 18 inches, depth 363 feet, casing slotted below 85 feet. Records available: 1947-48. Apr. 24, 1947, 11.67; Mar. 4, 1948, 19.71; Dec. 29, 1948, 24.12.

I-24. C. A. Danklefs well 1. 2 miles northeast of Guy, lat.  $29^{\circ}22'$ , long.  $95^{\circ}45'$ . Used drilled irrigation well, diameter 20 inches, depth 545 feet, casing slotted below 65 feet. Records available: 1948-49. Mar. 4, 1948, 21.14; Dec. 29, 1948, 24.44; Sept. 2, 1949, 43.53.

I-25. C. A. Danklefs well 2. 2 miles northeast of Guy, lat.  $29^{\circ}22'$ , long.  $95^{\circ}45'$ . Used drilled irrigation well, diameter 20 inches, depth 556 feet, casing slotted below 64 feet. Records available: 1944, 1948-49. May 27, 1944, 54; Mar. 4, 1948, 21.19; Dec. 29, 1948, 25.07; Sept. 2, 1949, 43.72.

I-35. W. L. Goldston. On E. C. Farmer lease, 2.7 miles south of Needville, lat.  $29^{\circ}21'$ , long.  $95^{\circ}50'$ . Rarely used drilled well, diameter 4 inches, depth 400+ feet. Records available: 1947-49. May 20, 1947, 26.58; Dec. 29, 1948, 29.20; Sept. 2, 1949, 31.97.

J-5. Humble Oil & Refining Co. 1.7 miles south of Booth, lat.  $29^{\circ}29'$ , long.  $95^{\circ}39'$ . Unused drilled well, diameter 4 inches, depth 302 feet, screen at 266-300 feet. Records available: 1947-49. Apr. 30, 1947, 12.09; Dec. 30, 1948, 18.12; Sept. 6, 1949, 18.24.

J-9. Cecil Hagen. On Wolters lease, 2.5 miles south of Thompson, lat.  $29^{\circ}28'$ , long.  $95^{\circ}35'$ . Unused drilled well, diameter 4 inches, depth 307 feet. Records available: 1947-49. Apr. 29, 1947, 12.55; Dec. 30, 1948, 18.62; Sept. 6, 1949, 18.42.

K-2. The Texas Co. On Wolters lease, 2 miles south of Thompson, lat.  $29^{\circ}28'$ , long.  $95^{\circ}34'$ . Used drilled domestic well, diameter 6 inches, depth 600 feet. Records available: 1940, 1947-49. 1940, 9; Apr. 29, 1947, 20.51; Dec. 30, 1948, 29.05; Sept. 6, 1949, 30.26.

K-3. Houston Oilfield Equipment Co. 1.7 miles south of Thompson, lat.  $29^{\circ}28'$ , long.  $95^{\circ}34'$ . Unused drilled well, diameter 5 inches, depth 150 + feet. Records available: 1947-49. Apr. 29, 1947, 16.20; Dec. 30, 1948, 21.36; Sept. 6, 1949, 21.97.

L-3. Owner unknown. 8 miles southeast of Guy, lat.  $29^{\circ}18'$ , long.  $95^{\circ}39'$ . Used drilled domestic well, diameter 6 inches, depth unknown. Records available: 1947, 1949. May 21, 1947, 16.06; Sept. 2, 1949, 22.64.

#### Gaines County

2. Carrol Cobb. SW $\frac{1}{4}$  sec. 20 blk. A21, P. S. L., 7.4 miles south of Seminole, lat.  $32^{\circ}36'$ , long.  $102^{\circ}38'$ . Measurements resumed. Records available: 1937-38, 1940-41, 1943, 1949. Mar. 31, 54.88.

6a. Owner unknown. NW $\frac{1}{4}$  sec. 160, blk. G, 1.4 miles south of Seminole, lat.  $32^{\circ}40'$ , long.  $102^{\circ}36'$ . Measurements resumed. Records available: 1938-40, 1943, 1949. Mar. 31, 42.26.

Galveston County

11. A. A. Davis. In Friendswood, lat. 29°31', long. 95°12'. Measurement resumed. Records available: 1939-42, 1948-49. May 17, 1948, 96.17; Oct. 1, 1948, 102.60; May 2, 1949, 99.97; Nov. 11, 1949, 104.69.

16. Cecil Brown. In Friendswood, lat. 29°31', long. 95°12'. Records available: 1939-41, 1943-44, 1947-49. May 25, 102.39; Nov. 10, 105.9.

17. Old Friendswood school. In Friendswood, lat. 29°31', long. 95°11'. Unused drilled school well, diameter 4 to 2½ inches, depth 440 feet. Records available: 1941-42, 1944-49.

Date	Water level	Date	Water level	Date	Water level
Apr. 22, 1941	60.84	May 15, 1945	85.75	May 17, 1948	96.49
July 21	60.84	May 30, 1946	87.04	Oct. 1	103.57
May 6, 1942	63.72	Oct. 23	89.70	May 2, 1949	101.06
Apr. 6, 1944	76.87	July 7, 1947	95.48	Nov. 10	105.67
Apr. 8	76.72	Nov. 4	94.45		

28. Galveston, Houston & Henderson Railroad. At League City, lat. 29°30', long. 95°05'. Records available: 1931-33, 1935, 1939-49. May 3, 91.67; Nov. 14, 96.28.

29. Emil Schenk. In League City, lat. 29°30', long. 95°05'. Unused public-supply well, diameter 3 inches, depth 575 feet. Records available: 1939, 1941-42, 1944-49.

Mar. 14, 1939	47.35	May 30, 1946	80.00	May 7, 1948	87.11
July 23, 1941	54.25	Oct. 23	82.62	Oct. 4, 1948	92.42
May 25, 1942	56.68	July 9, 1947	84.98	May 3, 1949	91.80
Apr. 7, 1944	69.80	Nov. 4	87.41	Nov. 14	96.38
May 5, 1945	77.64				

42. J. Freund. In Kenah, lat. 29°32', long. 95°00'. Records available: 1939-49. May 3, 69.01; Nov. 14, 71.66.

60. Dr. C. A. Davis. 2.25 miles northeast of League City, lat. 29°32', long. 95°09'. Used drilled domestic and stock well, diameter 4 inches, depth 570 feet. Records available: 1939, 1941-42, 1944-49.

Mar. 16, 1939	42.15	May 15, 1945	74.94	May 24, 1948	86.34
July 25, 1941	53.41	May 30, 1946	76.2	Oct. 4	94.27
May 25, 1942	57.28	July 9, 1947	84.25	May 3, 1949	92.93
Apr. 7, 1944	66.74	Nov. 4	84.58	Nov. 14	96.33

81. J. M. West. 10 miles northwest of Alta Loma, lat. 29°29', long. 95°10'. Used drilled stock well, diameter 6 inches, depth 600 feet. Records available: 1931, 1939, 1941, 1944-49.

Oct. 11, 1931	32.9	May 15, 1945	85.59	May 17, 1948	95.90
Feb. 9, 1939	49.82	Oct. 23, 1946	89.56	Oct. 1	101.80
July 23, 1941	57.87	July 7, 1947	93.60	May 2, 1949	101.99
Apr. 6, 1944	76.37	Nov. 4	95.09	Nov. 10	106.90

82. Missouri Pacific Railroad. In Alcoa, lat. 29°03', long. 95°10'. Unused drilled railroad well, diameter 6 inches, depth 642 feet, screen from 632 to 642 feet. Records available: 1939, 1941, 1944-49.

May 1, 1939	55.00	June 6, 1946	86.84	Oct. 7, 1948	109.06
Aug. 5, 1941	63.76	July 8, 1947	102.42	May 10, 1949	106.82
Oct. 5, 1944	57.93	Nov. 10	105.23	Nov. 22	108.74
May 11, 1945	42.53	May 26, 1948	105.99		

89. P. V. Leavenworth. 3.25 miles west of League City, lat. 29°29', long. 95°08'. Unused drilled stock well, diameter 4 inches, depth 600 feet. Records available: 1941-42, 1944-49.

89--Continued.

Date	Water level	Date	Water level	Date	Water level
July 23, 1941	51.53	May 30, 1946	75.38	May 17, 1948	82.32
May 25, 1942	54.12	Oct. 23	77.38	Oct. 1	86.10
Apr. 6, 1944	65.68	July 7, 1947	80.02	May 2, 1949	85.68
May 15, 1945	73.08	Nov. 4	81.53	Nov. 10	88.67

112. Galveston, Houston & Henderson Railroad. 6.5 miles northeast of Alta Loma, lat. 29°27', long. 95°02'. Records available: 1931-33, 1935-45, 1947-48. Measurement discontinued.

115. J. W. Palmer. 6 miles northeast of Alta Loma, lat. 29°26', long. 95°01'. Records available: 1932-33, 1935-49. May 5, 77.97; Nov. 15, 70.49.

130. Dr. Patton. 3 miles northwest of Dickinson, lat. 29°28', long. 95°05'. Unused drilled well, diameter 5 inches, depth 680+ feet. Records available: 1939, 1941, 1945-49.

Mar. 24, 1939	49.17	Oct. 23, 1946	67.67	Oct. 1, 1948	78.45
Aug. 4, 1941	50.48	July 7, 1947	74.29	May 3, 1949	78.83
May 14, 1945	67.53	Nov. 4	76.35	Nov. 10	79.43
May 29, 1946	65.96	May 25, 1948	75.74		

162. D. C. Richards. 8 miles north of Texas City, lat. 29°29', long. 94°56'. Used drilled domestic and stock well, diameter 4 inches, depth 665 feet. Records available: 1941-42, 1944-49.

July 26, 1941	45.09	June 3, 1946	75.28	May 20, 1948	80.51
May 26, 1942	48.02	Oct. 24	75.28	Oct. 5	82.70
Apr. 10, 1944	61.51	July 9, 1947	76.09	May 4, 1949	82.54
May 10, 1945	70.08	Nov. 5	79.55	Nov. 14	83.31

195. Pan-American Products Co. 4.25 miles northwest of Texas City, lat. 29°24', long. 94°58'. Used drilled oil-field well, diameter 7 inches, depth 641 feet. Records available: 1939, 1941-49.

Sept. 15, 1939	42.32	May 10, 1945	86.97	May 24, 1948	97.33
Aug. 7, 1941	52.80	June 4, 1946	89.09	Oct. 5	102.70
May 27, 1942	55.15	Oct. 4	90.63	May 5, 1949	98.62
Aug. 5, 1943	64.97	June 13, 1947	91.37	July 7	99.31
Apr. 11, 1944	74.04	Nov. 4	96.01	Nov. 1	96.32

205. Galveston, Houston & Henderson Railroad. At La Marque, lat. 29°22', long. 94°58'. Records available: 1931, 1939, 1941-49.

Apr. 15, 1931	4.2	Apr. 13, 1944	80.56	May 20, 1948	102.75
Sept. 15, 1939	44.27	May 10, 1945	93.86	Oct. 5	96.60
Aug. 2, 1941	55.51	June 5, 1946	92.02	May 5, 1949	93.80
May 28, 1942	59.95	June 13, 1947	92.81	July 8	87.61
Aug. 5, 1943	67.08	Nov. 5	98.01	Nov. 15	84.42

233. Monsanto Chemical Co. In Texas City, lat. 29°22', long. 94°53'. Unused drilled industrial well, diameter 16 inches, depth 585 feet. Records available: 1939, 1941, 1943-49.

Feb. 22, 1939	68.27	Mar. 24, 1945	167.68	Nov. 7, 1947	117.12
Aug. 11, 1941	71.13	May 9	166.35	May 18, 1948	136.60
Mar. 10, 1943	109.81	June 4, 1946	148.78	Oct. 6	157.93
Aug. 16	127.27	Oct. 30	155.78	May 6, 1949	151.79
Apr. 13, 1944	153.53	June 13, 1947	112.80	July 8	151.96
Mar. 20, 1945	162.70	July 10	111.00	Nov. 22	157.50

243. Stone Oil Co. In Texas City, lat. 29°22', long. 94°54'. Used drilled industrial well, diameter 8 inches, depth 801 feet. Records available: 1939-42, 1944, 1946-49.

## 243--Continued.

Date	Water level	Date	Water level	Date	Water level
Feb. 22, 1939	66.64	Dec. 14, 1940	61.27	July 10, 1947	126.18
July 9	68.03	Mar. 15, 1941	68.46	May 18, 1948	134.80
Jan. 18, 1940	75.86	Aug. 2	75.02	Oct. 6	148.00
Mar. 27	67.58	May 27, 1942	83.55	May 6, 1949	144.62
May 27	62.08	Oct. 7, 1944	130.63	July 8	141.29
July 10	61.64	Oct. 23, 1946	137.4	Nov. 16	135.03
Oct. 2	68.38	May 6, 1947	120.9		

244. Stone Oil Co. In Texas City, lat. 29°22', long. 94°54'. Records available: 1939-49. May 6, 159.07; July 8, 159.60; Nov. 16, 153.08.

295. Atchison, Topeka & Santa Fe Railway Co. In Hitchcock, lat. 29°20', long. 95°01'. Records available: 1939-41, 1943-44, 1946-48. Measurement discontinued.

351. R. S. Wesmorland. 5.5 miles southeast of Alta Loma, lat. 29°20', long. 94°59'. Unused drilled domestic well, diameter 6 inches, depth 533 feet. Records available: 1939, 1941, 1944-49.

Apr. 25, 1939	23.72	June 6, 1946	68.88	May 25, 1948	75.70
Aug. 1, 1941	27.73	Oct. 25	70.33	Oct. 6	79.26
Apr. 19, 1944	53.69	July 8, 1947	70.48	May 10, 1949	78.69
May 11, 1945	62.70	Nov. 5	72.10	Nov. 21	80.08

381. Stewart Production Co. 3 miles southeast of Hitchcock, lat. 29°20', long. 94°58'. Records available: 1939-46, 1948. Measurement discontinued.

382. Maco Stewart. 5.5 miles southwest of Texas City, lat. 29°20', long. 94°57'. Unused drilled oil-field well, diameter 8 to 6 inches, depth 794 feet. Records available: 1939, 1941-49.

Jan. 25, 1939	24.23	May 11, 1945	75.50	Oct. 6, 1948	83.89
Aug. 1, 1941	46.40	June 6, 1946	78.53	May 10, 1949	79.22
May 27, 1942	40.55	June 13, 1947	76.17	July 6	78.01
Aug. 5, 1943	49.93	Nov. 5	82.06	Nov. 21	77.19
Apr. 13, 1944	62.31	May 24, 1948	84.93		

392. Sun Oil Co. and J. D. Hughes. 6.25 miles south of Alta Loma, lat. 29°16', long. 95°03'. Unused drilled oil-field well, diameter 7 to 4 inches, screens at 458-479, 537-580 and 754-867 feet. Records available: 1944-49.

Apr. 19, 1944	44.53	June 6, 1946	57.97	Oct. 7, 1948	62.27
Oct. 5	52.21	Nov. 7, 1947	60.90	May 25, 1949	59.59
May 11, 1945	54.98	May 25, 1948	61.75	Nov. 21	59.98

396. Sun Oil Co. and Houston Farms & Development Co. 7.5 miles southeast of Alta Loma, lat. 29°16', long. 95°01'. Used drilled stock well, diameter 7 to 5 inches, screens at 804-827 and 873-923 feet. Records available: 1939, 1941-42, 1948-49.

Jan. 16, 1939	11.28	May 26, 1942	34.38	May 25, 1949	58.27
July 22, 1941	24.90	Oct. 7, 1948	60.90	Nov. 21	65.38

475. H. W. Thompson. 0.75 mile north of League City, lat. 29°31', long. 95°05'. Unused drilled domestic well, diameter 6 inches, depth 550 feet. Records available: 1939, 1941, 1944-49.

Mar. 13, 1939	44.98	May 30, 1946	76.54	May 17, 1948	83.47
July 23, 1941	51.14	Oct. 23	79.74	Oct. 4	88.69
Apr. 7, 1944	66.36	July 9, 1947	81.73	May 3, 1949	88.16
May 15, 1945	73.75	Nov. 4	83.13	Nov. 14	92.76

482. Mrs. Anna Varnell. In League City, lat. 29°30', long. 95°05'. Unused drilled domestic well, diameter 4 inches, depth 500+ feet. Records available: 1939, 1941, 1944-48.

Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1939	47.31	May 30, 1946	79.61	May 17, 1948	86.80
July 23, 1941	53.73	Oct. 23	82.26	Oct. 4	92.08
Apr. 7, 1944	69.45	July 9, 1947	84.66	May 3, 1949	91.57
May 15, 1945	77.26	Nov. 4	86.55	Nov. 14	96.20

566. Stanolind Oil & Gas Co. 2.5 miles east of Dickinson, lat. 29°27', long. 95°00'. Unused drilled oil-field well, diameter 4 inches, depth 615+ feet. Records available: 1939, 1941-42, 1944-49.

Mar. 23, 1939	43.26	June 3, 1946	71.95	May 20, 1948	74.98
July 29, 1941	45.46	Oct. 24	71.11	Oct. 5	81.56
May 25, 1942	46.84	July 9, 1947	72.55	May 4, 1949	79.66
Apr. 10, 1944	64.83	Nov. 5	76.72	Nov. 15	79.78
May 10, 1945	69.07				

570. C. L. Dobbins. 1.25 miles east of Dickinson, lat. 29°27', long. 95°01'. Used drilled domestic and stock well, diameter 6 inches, screens at 483-522, 586-609, 840-880, and 902-923 feet. Records available: 1941, 1944-49.

July 28, 1941	46.82	Oct. 24, 1946	71.46	Oct. 5, 1948	79.30
Apr. 10, 1944	59.95	July 9, 1947	72.46	May 4, 1949	79.10
May 10, 1945	66.18	Nov. 5	74.69	Nov. 15	79.36
June 3, 1946	70.33	May 20, 1948	74.70		

604. Maco Stewart and Humble Oil & Refining Co. 2.5 miles east of Dickinson, lat. 29°27', long. 95°00'. Used drilled oil-field well, diameter 7 to 4 inches, screen at 541-605 feet. Records available: 1941-42, 1944-49.

July 29, 1941	55.42	June 5, 1946	82.57	May 24, 1948	84.20
May 27, 1942	52.83	Oct. 24	76.60	Oct. 5	90.57
Apr. 11, 1944	50.33	July 8, 1947	82.04	May 5, 1949	84.13
May 10, 1945	44.79	Nov. 5	84.71	Nov. 15	84.13

678. City of Galveston well 17-N. In old Alta Loma well field, near Alta Loma, lat. 29°22', long. 95°04'. Unused drilled public-supply well, diameter 7 inches, screen at 753-793 feet. Records available: 1893-94, 1907, 1911, 1913, 1939, 1941-42, 1944-49.

1893-94	+26	Aug. 9, 1941	64.22	July 11, 1947	107.27
Dec. 10, 1907	+2.9	May 28, 1942	68.88	Nov. 10	105.18
Aug. 25, 1911	1.0	Apr. 19, 1944	85.90	May 21, 1948	109.65
Nov. 16, 1913	7.2	May 16, 1945	100.51	Oct. 8	103.85
Arr. 27, 1939	46.46	June 10, 1946	104.8	May 10, 1949	103.53
June 24	47.52	Oct. 28	104.38	Nov. 22	103.20

688. City of Galveston test well 1. In Alta Loma, lat. 29°22', long. 95°04'. Records available: 1941-49. May 9, 100.88; Nov. 22, 104.00.

689. City of Galveston test well 2. 2.5 miles northeast of Alta Loma, lat. 29°23', long. 95°06'. Records available: 1941-49.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	105.7	105.7	105.7	106.1	106.2	106.4	107.2	106.4	107.0	107.4	107.3	107.2
2	105.5	105.7	105.7	106.1	106.3	106.4	107.2	106.4	107.0	107.3	107.3	107.2
3	105.5	105.6	105.8	106.1	106.3	106.5	107.2	106.4	107.1	107.2	107.3	107.1
4	105.5	106.6	105.8	106.2	106.3	106.5	107.1	106.4	107.1	106.9	107.3	107.0
5	105.5	105.7	105.7	106.2	106.3	106.6	107.1	106.4	107.1	107.2	107.3	107.1
6	105.6	105.7	105.7	106.2	106.3	106.6	107.2	106.5	107.1	107.2	107.3	107.0
7	105.5	105.8	105.8	106.2	106.3	106.6	107.1	106.3	107.2	107.1	107.3	106.9
8	105.5	105.8	105.7	106.2	106.3	106.6	107.1	106.3	107.2	107.1	107.3	106.0
9	105.5	105.9	105.7	106.2	106.3	106.7	107.1	106.4	107.1	107.1	107.2	107.0
10	105.5	106.0	105.7	106.2	106.3	106.7	107.0	106.4	107.0	107.1	107.2	106.8
11	105.5	106.0	105.7	106.3	106.3	106.7	107.0	106.5	106.9	107.1	107.2	106.8
12	105.5	105.9	105.7	106.3	106.3	106.7	106.9	106.5	106.9	107.1	107.2	106.8

689--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	105.5	105.9	105.8	106.2	106.3	106.7	106.8	106.5	106.9	107.1	107.3	106.9
14	105.5	105.9	105.8	106.2	106.3	106.7	106.7	106.5	106.8	107.2	107.3	106.8
15	105.4	105.9	105.9	106.3	106.3	106.8	106.6	106.5	106.8	107.1	107.2	106.8
16	105.4	105.9	105.9	106.3	106.2	106.8	106.6	106.6	106.8	107.2	107.3	106.8
17	105.4	105.9	105.9	106.3	106.2	106.8	106.5	106.6	106.8	107.1	107.3	106.7
18	105.4	105.9	105.9	106.3	106.3	106.9	106.5	106.6	106.9	107.2	107.3	106.7
19	105.5	105.8	106.0	106.4	106.3	106.9	106.5	106.6	107.0	107.2	107.3	106.7
20	105.5	105.9	106.0	106.3	106.3	106.9	106.4	106.6	107.0	107.2	107.3	106.7
21	105.4	105.9	106.1	106.3	106.3	107.0	105.9	106.6	107.0	107.2	107.3	106.6
22	105.4	105.9	106.0	106.2	106.3	107.0	106.4	106.6	107.1	107.3	107.3	106.8
23	105.4	105.9	106.0	106.3	106.3	107.0	106.4	106.6	107.1	107.3	107.3	106.8
24	105.5	105.8	106.0	106.3	106.4	107.0	106.4	106.6	107.2	107.3	107.2	106.8
25	105.6	105.8	106.1	106.3	106.4	107.0	106.3	106.6	107.2	107.3	107.2	106.7
26	105.6	105.7	106.1	106.3	106.4	107.0	106.4	106.6	107.3	107.3	107.2	106.7
27	105.6	105.7	106.1	106.3	106.4	107.0	106.4	106.7	107.3	107.3	107.2	106.7
28	105.6	105.8	106.1	106.3	106.4	107.1	106.4	106.7	107.3	107.3	107.1	106.7
29	105.8		106.1	106.3	106.4	107.2	106.4	106.8	107.4	107.2	107.1	106.7
30	105.8		106.1	106.2	106.4	107.2	106.4	106.9	107.4	107.2	107.2	106.6
31	105.7		106.1		106.4		106.4	107.0		107.3		106.6

691. City of Galveston test well 3-A. In Hitchcock, lat. 29°20', long. 95°01'. Measurement resumed. Records available: 1941-49.

Date	Water level	Date	Water level	Date	Water level
May 11, 1945	78.82	July 8, 1947	82.78	Oct. 7, 1948	85.85
June 6, 1946	81.40	Nov. 5	84.81	May 10, 1949	81.46
Oct. 25	81.54	May 21, 1948	87.82	Nov. 21	80.42

699. Pure Oil Co. 6.5 miles northwest of Texas City, lat. 29°25', long. 95°00'. Used drilled oil-field well, diameter 6 inches, screen at 641-671 feet. Records available: 1941-42, 1944-49.

Aug. 8, 1941	55.42	June 5, 1946	86.89	May 24, 1948	92.60
May 27, 1942	57.22	Oct. 24	87.87	Oct. 5	98.25
Apr. 11, 1944	73.58	June 13, 1947	89.32	May 5, 1949	101.68
May 16, 1945	96.12	Nov. 5	94.91	Nov. 15	94.40

700. Chester Eignus, 7.5 miles west of League City, lat. 29°31', long. 95°12'. Unused drilled oil-field well, diameter 4 inches, depth 425 feet. Records available: 1941-42, 1944-49.

July 21, 1941	60.18	May 30, 1946	86.38	May 17, 1948	95.64
May 6, 1942	62.86	Oct. 23	89.04	Oct. 1	102.75
Apr. 6, 1944	76.31	July 7, 1947	94.66	May 2, 1949	100.36
May 15, 1945	84.68	Nov. 4	94.96	Nov. 10	104.98

708. Phillips Petroleum Co. 3.75 miles southwest of League City, lat. 29°27', long. 95°06'. Unused drilled oil-field well, diameter 4 inches, depth 700+ feet. Records available: 1941-42, 1944-49.

Aug. 2, 1941	52.20	May 29, 1946	79.48	May 17, 1948	74.62
May 6, 1942	38.50	Oct. 23	67.46	Oct. 1	71.70
Apr. 10, 1944	82.53	July 7, 1947	71.92	May 3, 1949	68.42
May 14, 1945	76.95	Nov. 4	78.31	Nov. 10	82.93

709. Phillips Petroleum Co. 4.5 miles southwest of League City, lat. 29°08', long. 95°07'. Unused drilled oil-field well, diameter 6 inches, depth 700+ feet. Records available: 1941-42, 1944-49.

Aug. 2, 1941	48.98	May 29, 1946	68.88	May 17, 1948	74.75
May 6, 1942	49.96	Oct. 23	70.42	Oct. 1	77.43
Apr. 10, 1944	60.89	July 7, 1947	73.25	May 3, 1949	78.00
May 14, 1945	66.29	Nov. 4	75.42	Nov. 10	80.33

710. Stanolind Oil & Gas Co. 3 miles southwest of Alta Loma, lat.  $29^{\circ}19'$ , long.  $95^{\circ}11'$ . Unused drilled oil-field well, diameter 4 inches, screen at 701-744 feet. Records available: 1941, 1943-49.

Date	Water level	Date	Water level	Date	Water level
July 23, 1941	48.48	May 29, 1946	79.04	May 25, 1948	85.08
Aug. 6, 1943	59.30	Oct. 25	79.96	Oct. 7	85.23
Apr. 18, 1944	64.02	July 8, 1947	81.07	May 10, 1949	81.70
Oct. 5	72.69	Nov. 10	82.8	Nov. 22	81.66
May 11, 1945	75.07				

711. Stanolind Oil & Gas Co. 3 miles southwest of Alta Loma, lat.  $29^{\circ}19'$ , long.  $95^{\circ}06'$ . Unused drilled oil-field well, diameter 5 inches, depth 720+ feet. Records available: 1941-42, 1944-49.

July 23, 1941	33.80	May 29, 1946	30.34	May 25, 1948	30.47
May 26, 1942	31.64	Oct. 25	29.04	Oct. 7	30.34
Apr. 18, 1944	29.75	July 8, 1947	29.56	May 10, 1949	28.96
May 11, 1945	30.89	Nov. 10	30.06	Nov. 22	28.02

787. City of Galveston test well 8-11. 5.75 miles northwest of Alta Loma, lat.  $29^{\circ}25'$ , long.  $95^{\circ}08'$ . Records available: 1942-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	101.63	Apr. 25	102.49	July 25	102.71	Oct. 24	104.28
Feb. 24	101.62	May 23	102.74	Aug. 25	103.04	Nov. 25	104.19
Mar. 25	102.32	June 27	103.44	Sept. 26	104.17	Dec. 21	103.99

#### Guadalupe County

316. Alvin Fresinhahn. 400 feet north of U. S. Highway 81, 0.1 mile east of Guadalupe-Bexar County line, lat.  $29^{\circ}35'$ , long.  $98^{\circ}18'$ . Records available: 1933, 1937-49. Jan. 10, 121.99; Dec. 7, 116.01.

#### Hale County

15. S. C. Hutchinson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, blk. S1, 15 miles northwest of Hale Center, lat.  $34^{\circ}15'$ , long.  $101^{\circ}56'$ . Records available: 1941-49. Feb. 23, 64.54.

17a. L. W. Guthrie. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, blk. S1, 15.5 miles northwest of Hale Center, lat.  $34^{\circ}15'$ , long.  $101^{\circ}57'$ . Records available: 1942-44, 1946-49. Feb. 23, 63.72.

36. G. D. Lewellen. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, blk. 06, 12.5 miles northwest of Hale Center, lat.  $34^{\circ}12'$ , long.  $101^{\circ}58'$ . Records available: 1936-38, 1941-49. Feb. 23, 86.15.

68. Tom Bostic. East side SE $\frac{1}{4}$  sec. 23, blk. S1, 19 miles northwest of Hale Center, lat.  $34^{\circ}15'$ , long.  $102^{\circ}01'$ . Used drilled irrigation well, diameter 15 inches, depth 155 feet. Records available: 1939, 1947-49. Sept. 26, 1939, 66.90; Mar. 12, 1947, 69.16; Feb. 19, 1948, 70.60; Feb. 23, 1949, 72.94.

70. Tom Bostic. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, blk. S1, 18.5 miles northwest of Hale Center, lat.  $34^{\circ}18'$ , long.  $102^{\circ}00'$ . Used drilled irrigation well, diameter 16 inches, depth 161 feet. Records available: 1947-49. Mar. 12, 1947, 66.63; Feb. 19, 1948, 69.54; Feb. 23, 1949, 70.89.

81. S. E. Curry. 650 feet east of NW. corner sec. 51, blk. K, 17.5 miles northwest of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}56'$ . Records available: 1945-49. Feb. 22, 65.95.

86. R. V. Craig. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. 06, 13.5 miles northwest of Hale Center, lat.  $34^{\circ}13'$ , long.  $101^{\circ}58'$ . Used drilled irrigation well, diameter 16 inches, depth 224 feet. Records available: 1947-49. Mar. 12, 1947, 80.76; Feb. 19, 1948, 82.98; Feb. 23, 1949, 87.19.



93. R. A. McAlister. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, blk. 06, 15 miles northwest of Hale Center, lat. 34°14', long. 101°59'. Used drilled irrigation well, diameter 16 inches, depth 196 feet. Records available: 1947-49. Mar. 12, 1947, 85.95; Feb. 19, 1948, 89.04; Feb. 23, 1949, 92.86.

103. Carl Meyer. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, blk. C4, 16 miles north of Hale Center, lat. 34°17', long. 101°53'. Records available: 1936-49. Feb. 22, 53.92.

104. W. A. Painter. Center SE $\frac{1}{4}$  sec. 31, blk. S1, 15 miles north of Hale Center, lat. 34°16', long. 101°52'. Used drilled irrigation well, diameter 16 inches, depth 186 feet. Records available: 1947-49. Mar. 12, 1947, 53.58; Feb. 20, 1948, 55.69; Feb. 22, 1949, 58.42.

105. Texas Land & Development Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 27, blk. S1, 14 miles north of Hale Center, lat. 34°15', long. 101°51'. Records available: 1937-46, 1948-49. Feb. 22, 62.10.

123. J. Smith. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, blk. JK, 11 miles northwest of Hale Center, lat. 34°12', long. 101°53'. Records available: 1914, 1936-49. Feb. 23, 72.68.

124b. Lester James. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 4, blk. JK4, 9.5 miles north of Hale Center, lat. 34°11', long. 101°52'. Records available: 1942-49. Feb. 23, 82.64.

125. E. E. Clark. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. JK4, 10 miles northwest of Hale Center, lat. 34°11', long. 101°55'. Records available: 1937-43, 1945-49. Feb. 23, 91.65.

138. W. A. Painter. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 31, blk. S1, 15.5 miles northwest of Hale Center, lat. 34°17', long. 101°52'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 12, 1947, 50.02; Feb. 20, 1948, 51.40; Feb. 22, 1949, 54.25.

154. W. H. Smith. SW. corner SE $\frac{1}{4}$  sec. 22, blk. JK, 11 miles northwest of Hale Center, lat. 34°12', long. 101°55'. Used drilled irrigation well, diameter 16 inches, depth 238 feet. Records available: 1947-49. Mar. 21, 1947, 68.56; Feb. 19, 1948, 70.72; Feb. 23, 1949, 72.19.

163. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. JK, 12.5 miles north of Hale Center, lat. 34°14', long. 101°50'. Used drilled irrigation well, diameter 16 inches, depth 182 feet. Records available: 1943-47, 1949.

Date	Water level	Date	Water level	Date	Water level
Mar. 26, 1943	48.06	Feb. 26, 1946	53.81	Feb. 22, 1949	62.27
Feb. 9, 1944	49.69	Jan. 16, 1947	57.36	Mar. 29	61.95
Feb. 19, 1945	51.11	Mar. 10	56.68		

164. S. E. Curry. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. JK, 12.5 miles north of Hale Center, lat. 34°14', long. 101°50'. Used drilled irrigation well, diameter 16 inches, depth 172 feet. Records available: 1940, 1943-49.

Mar. 17, 1940	50.70	Feb. 19, 1945	53.13	Mar. 10, 1947	58.54
Mar. 26, 1943	52.71	Feb. 26, 1946	56.30	Feb. 20, 1948	61.22
Feb. 9, 1944	52.12	Jan. 16, 1947	59.71	Mar. 29, 1949	63.91

165. A. B. Tarwater. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, blk. JK, 12 miles north of Hale Center, lat. 34°14', long. 101°50'. Used drilled irrigation well, diameter unknown, depth 240 feet. Records available: 1939, 1943-49.

Nov. 20, 1939	51.83	Feb. 20, 1945	54.32	Mar. 10, 1947	59.65
Mar. 26, 1943	51.70	Feb. 26, 1946	57.24	Feb. 20, 1948	62.74
Feb. 24, 1944	53.50	Jan. 17, 1947	60.55	Feb. 22, 1949	65.65

202. Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 20, blk. C3, 17 miles northeast of Hale Center, lat. 34°19', long. 101°46'. Records available: 1934, 1936-49. Mar. 7, 77.68.

206. Texas Land & Development Co. Just east of Richard William survey, 18 miles northeast of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}44'$ . Records available: 1936-49. Mar. 4, 82.40.

208. Texas Land & Development Co. SW $\frac{1}{4}$  J. P. Lattimore survey, 17.5 miles northeast of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}43'$ . Records available: 1936-43, 1945-49. Mar. 4, 75.60.

210. Dr. M. Howell. NE $\frac{1}{4}$  D. R. McVicker survey, 18.5 miles northeast of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}43'$ . Records available: 1936-49. Mar. 4, 76.57.

212. Ray Smith. West center of C. R. McVicker strip, west of sec. 55, blk. M14, 18 miles northeast of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}42'$ . Records available: 1938-49. Mar. 4, 72.20.

219. J. C. Pace. NW corner SE $\frac{1}{4}$  sec. 4, blk. JK3, 16.5 miles northeast of Hale Center, lat.  $34^{\circ}17'$ , long.  $101^{\circ}45'$ . Used drilled irrigation well, diameter 24 inches, depth 251 feet. Records available: 1947-49. Mar. 13, 1947, 70.44; Feb. 20, 1948, 73.50; Mar. 7, 1949, 76.43.

220. Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, blk. JK 3, 15.5 miles northeast of Hale Center, lat.  $34^{\circ}16'$ , long.  $101^{\circ}44'$ . Records available: 1934, 1936-45, 1947-49. Mar. 7, 68.94.

225. M. L. Monroe. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 19, blk. C3, 16 miles northeast of Hale Center, lat.  $34^{\circ}17'$ , long.  $101^{\circ}46'$ . Used drilled irrigation well, diameter 15.5 inches, depth 212 feet. Records available: 1947-49. Mar. 13, 1947, 62.07; Feb. 20, 1948, 65.26; Mar. 7, 1949, 68.88.

232. R. Carter. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, blk. JK3, 13.5 miles northeast of Hale Center, lat.  $34^{\circ}14'$ , long.  $101^{\circ}45'$ . Records available: 1914, 1936-41, 1943-49. Mar. 7, 68.91.

238. Dr. McKinley Howell. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, blk. JK3, 13.5 miles northeast of Hale Center, lat.  $34^{\circ}14'$ , long.  $101^{\circ}44'$ . Records available: 1914; 1936-49. Feb. 28, 63.15.

241. S. Simpson. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, blk. JK2, 13.5 miles northeast of Hale Center, lat.  $34^{\circ}13'$ , long.  $101^{\circ}43'$ . Used drilled irrigation well, diameter 16 inches, depth 198 feet. Records available: 1937, 1947-49. Sept. 14, 1937, 47.86; Mar. 13, 1947, 61.24; Feb. 20, 1948, 65.38; Feb. 28, 1949, 69.93.

246. J. C. Sherman. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, blk. JK2, 12 miles northeast of Hale Center, lat.  $34^{\circ}12'$ , long.  $101^{\circ}43'$ . Records available: 1936-49. Feb. 22, 70.97.

255. G. H. Slaton. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, blk. JK2, 10 miles northeast of Hale Center, lat.  $34^{\circ}11'$ , long.  $101^{\circ}47'$ . Records available: 1914, 1937-49. Feb. 23, 31.70.

259. C. J. Ebeling. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, blk. JK2, 9 miles north of Hale Center, lat.  $34^{\circ}11'$ , long.  $101^{\circ}49'$ . Records available: 1914, 1936-49. Feb. 22, 27.99.

305. T. H. Ringwald. On strip land, 0.55 mile east of SW corner of sec. 54, blk. M14, 18.5 miles northeast of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}41'$ . Records available: 1937-49. Mar. 4, 83.14.

307. Texas Land & Development Co. On strip land, 0.3 mile east of SW corner of sec. 53, blk. M14, 19 miles northeast of Hale Center, lat.  $34^{\circ}19'$ , long.  $101^{\circ}40'$ . Records available: 1934, 1936-49. Mar. 4, 76.40.

316. Homer Rook. NE $\frac{1}{4}$  S. D. Lemaster survey, 17.5 miles northeast of Hale Center, lat.  $34^{\circ}18'$ , long.  $101^{\circ}40'$ . Records available: 1936-49. Mar. 4, 63.96.

317a. Henry Duncan. NE $\frac{1}{4}$  J. F. Owens survey, 18.5 miles northeast of Hale Center, lat. 34°18', long. 101°40'. Used drilled irrigation well. Replacement for well 317. Records available: 1948-49. Jan. 17, 1948, 60.76; Feb. 21, 1948, 60.68; Mar. 4, 1949, 63.94.

323. P. I. Williams. North side NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 131, blk. D2, 20.5 miles northeast of Hale Center, lat. 34°16', long. 101°35'. Used drilled irrigation well, diameter 16 inches, depth 224 feet. Records available: 1947-49. Mar. 19, 1947, 70.40; Feb. 21, 1948, 71.40; Mar. 7, 1949, 73.93.

330. E. H. Cox. NE $\frac{1}{4}$  J. M. Martin survey, 16.5 miles northeast of Hale Center, lat. 34°14', long. 101°39'. Records available: 1914, 1936-48. Measurement discontinued.

330a. E. H. Cox. NE $\frac{1}{4}$  J. M. Martin survey, 16.5 miles northeast of Hale Center, lat. 34°14', long. 101°39'. Used drilled irrigation well. Replacement for well 330. Records available: 1948-49. Feb. 21, 1948, 57.00; Mar. 7, 1949, 61.21.

332. J. E. Rigler. SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, blk. D2, 18.5 miles northeast of Hale Center, lat. 34°14', long. 101°36'. Used drilled irrigation well, diameter 16 inches, depth 210 feet. Records available: 1947-49. Mar. 13, 1947, 53.60; Feb. 21, 1948, 56.22; Mar. 7, 1949, 60.32.

334. P. I. Williams. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 131, blk. D2, 10 miles northeast of Plainview, lat. 34°16', long. 101°36'. Used drilled irrigation well, diameter 16 inches, depth 219 feet. Records available: 1947-49. Mar. 19, 1947, 62.33; Feb. 21, 1948, 64.51; Mar. 7, 1949, 67.36.

338. Dr. J. H. Stewart. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 110, blk. D2, 20 miles northeast of Hale Center, lat. 34°14', long. 101°34'. Records available: 1914, 1936-49. Mar. 7, 57.91.

357. G. D. Lewellen. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 8, blk. D6, 14.5 miles northeast of Hale Center, lat. 34°11', long. 101°38'. Records available: 1937-49. Feb. 28, 52.75

367. E. R. Bassell. NW $\frac{1}{4}$  J. Pendley survey, 15 miles northeast of Hale Center, lat. 34°12', long. 101°39'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 13, 1947, 60.93; Feb. 21, 1948, 64.60; Mar. 7, 1949, 68.38.

370. D. A. Reading. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. D4, 14.5 miles northeast of Hale Center, lat. 34°13', long. 101°40'. Records available: 1936-49. Mar. 7, 57.61.

373. R. G. Palmer. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, blk. D4, 15 miles northeast of Hale Center, lat. 34°13', long. 101°40'. Used drilled irrigation well, diameter 16 inches, depth 212 feet. Records available: 1947-49. Mar. 13, 1947, 54.28; Feb. 21, 1948, 58.28; Mar. 7, 1949, 62.52.

402. N. R. Johnson. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 40, blk. JK2, 11 miles northeast of Hale Center, lat. 34°11', long. 101°42'. Records available: 1937-49. Feb. 22, 38.22.

422. Mrs. J. B. Long. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, blk. D5, 16 miles northeast of Hale Center, lat. 34°09', long. 101°35'. Records available: 1937-45, 1947-48. No measurement made in 1949.

427. C. M. Smith. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, blk. D5, 17.5 miles northeast of Hale Center, lat. 34°09', long. 101°34'. Records available: 1914, 1936-49. Mar. 7, 63.77.

428. C. M. Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, blk. D5, 17 miles northeast of Hale Center, lat. 34°09', long. 101°34'. Records available: 1936-49.

428--Continued.

High daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.47	64.28	64.05	64.50	.....	64.93	65.73	66.89	72.37	67.25	66.65	67.78
2	64.44	64.21	64.08	64.82	.....	64.99	65.80	66.83	72.22	67.26	66.67	67.35
3	64.44	64.20	64.05	65.08	.....	65.05	65.80	66.72	72.10	67.20	66.63	67.40
4	64.50	64.23	64.07	65.14	.....	65.30	65.78	66.57	71.89	67.25	66.62	67.53
5	64.51	64.20	64.05	65.23	.....	65.48	65.87	66.42	71.65	67.13	66.65	67.52
6	64.49	64.20	64.05	65.28	.....	65.61	65.80	66.30	70.27	67.10	66.61	67.62
7	64.42	64.20	64.01	66.11	.....	65.94	65.87	66.25	69.75	67.13	66.55	69.60
8	64.41	64.18	63.99	68.03	.....	65.93	67.01	66.22	69.31	67.10	66.53	68.13
9	64.43	64.23	64.02	67.52	.....	65.73	66.05	66.22	69.03	66.98	66.54	67.50
10	64.44	64.21	64.00	66.93	.....	65.53	65.78	66.29	68.74	67.01	66.53	67.26
11	64.40	64.16	63.98	66.80	.....	65.37	65.68	66.33	68.60	67.02	66.52	67.20
12	64.38	64.14	63.97	67.40	.....	65.25	65.60	66.33	68.38	67.00	66.57	67.10
13	64.35	64.18	64.05	68.12	.....	65.21	65.48	66.33	68.22	66.97	66.55	67.03
14	64.33	64.15	64.01	68.87	.....	65.19	65.43	66.32	68.10	66.95	66.54	67.01
15	64.32	64.15	64.00	70.82	.....	65.13	65.40	66.33	67.98	66.91	66.50	66.95
16	64.38	64.18	63.95	71.10	.....	65.06	65.34	66.38	67.87	66.87	66.55	66.88
17	64.33	64.15	63.97	70.16	.....	65.04	65.30	67.50	67.82	66.87	66.54	66.87
18	64.31	64.13	64.00	70.64	.....	65.02	65.33	68.54	67.77	66.85	66.60	66.87
19	64.37	64.13	63.98	69.41	.....	64.99	65.29	68.69	67.72	66.82	66.52	66.82
20	64.32	64.15	63.89	68.49	.....	65.02	65.28	71.78	67.62	66.81	66.63	66.83
21	64.32	64.14	63.88	67.99	.....	65.11	67.77	72.57	67.60	66.83	66.56	66.84
22	64.29	64.13	63.95	67.63	.....	65.10	66.73	72.30	67.54	66.83	66.46	66.85
23	64.27	64.07	63.89	67.50	65.17	65.15	66.22	72.82	67.49	66.80	66.47	66.80
24	64.32	64.10	63.92	67.00	65.18	65.06	66.11	73.40	67.43	66.80	66.73	66.74
25	64.30	64.10	63.88	66.73	65.11	65.03	66.10	74.23	67.38	66.77	66.77	66.74
26	64.27	64.07	63.90	66.57	65.07	65.02	67.15	73.17	67.37	66.75	66.78	66.69
27	64.21	64.11	63.91	66.64	64.93	65.05	66.64	73.07	67.33	66.72	66.80	66.70
28	64.31	64.08	63.89	66.87	64.93	65.17	66.60	72.67	67.32	66.72	69.04	66.75
29	64.32		63.96	66.87	65.00	65.43	66.60	72.53	67.35	66.67	70.07	66.75
30	64.22		64.15	.....	64.93	65.56	67.69	71.85	67.25	66.68	68.50	66.75
31	64.24		64.26		64.97		67.29	72.56		66.68		66.75

433a. Lizzie B. Morris. SW, corner of west 186 acres in sec. 37, blk. D6, 15 miles northeast of Hale Center, lat. 34°07', long. 101°35'. Records available: 1938-49. Feb. 28, 35.49.

435. H. O. Thompson. SW, corner NE $\frac{1}{4}$  sec. 35, blk. D6, 14 miles northeast of Hale Center, lat. 34°07', long. 101°36'. Records available: 1937-45, 1947-49. Mar. 2, 67.03.

436. I. B. Rankin. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, blk. D6, 13.5 miles northeast of Hale Center, lat. 34°07', long. 101°37'. Records available: 1936-49. Mar. 2, 71.30.

449. G. A. Benefield. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D7, 8 miles northeast of Hale Center, lat. 34°06', long. 101°43'. Records available: 1936-49. Mar. 16, 69.63.

454. B. F. Smith. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, blk. N, 16.5 miles northeast of Hale Center, lat. 34°06', long. 101°33'. Records available: 1914, 1936-41, 1943-49. Feb. 28, 72.44.

462. R. E. Keniston. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, blk. N, 16 miles east of Hale Center, lat. 34°05', long. 101°34'. Records available: 1914, 1936-49. Feb. 28, 64.24.

463. R. E. Keniston. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, blk. N, 16 miles east of Hale Center, lat. 34°05', long. 101°34'. Records available: 1914, 1937-49. Feb. 28, 56.60.

467. M. E. Courtney. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. N, 13.5 miles east of Hale Center, lat. 34°05', long. 101°37'. Records available: 1937-49. Mar. 2, 44.32.

470. N. H. Neer. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, blk. D7, 11 miles east of Hale Center, lat. 34°03', long. 101°39'. Records available: 1936-49. Mar. 3, 33.54.

497. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, blk. D5, 15.5 miles northeast of Hale Center, lat. 34°09', long. 101°36'. Used drilled irrigation well, diameter 16 inches, depth 204 feet. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1945	48.37	Jan. 16, 1947	52.77	Feb. 21, 1948	55.16
Mar. 5, 1946	50.94	Mar. 6	52.75	Feb. 28, 1949	58.91

539. Fred Rastetter. SE corner sec. 29, blk. A, 3.25 miles northeast of Hale Center, lat. 34°05', long. 101°48'. Records available: 1937-41, 1943-48. Measurements discontinued.

539a. Fred Rastetter. SE corner SE $\frac{1}{4}$  sec. 29, blk. A, 3.25 miles northeast of Hale Center, lat. 34°05', long. 101°48'. Used drilled irrigation well. Replacement for well 539. Records available: 1949. Mar. 7, 67.00.

546. G. E. Bench. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, blk. A1, 6 miles northeast of Hale Center, lat. 34°05', long. 101°45'. Used drilled irrigation well, diameter 16 inches, depth 202 feet. Records available: 1947-49. Mar. 14, 1947, 57.39; Feb. 26, 1948, 59.36; Mar. 4, 1949, 62.02.

547. O. C. McClain. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 40, blk. A1, 7 miles northeast of Hale Center, lat. 34°07', long. 101°44'. Records available: 1936-48. No measurement made in 1949.

552. H. S. Dunaway. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, blk. A, 4 miles east of Hale Center, lat. 34°03', long. 101°46'. Records available: 1914, 1934, 1936-49. Mar. 4, 65.70.

553. B. Jacobs. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, blk. A1, 4.5 miles east of Hale Center, lat. 34°03', long. 101°46'. Records available: 1914, 1934, 1936-49. Mar. 4, 61.10.

562. J. H. Sweat. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. A1, 2 miles east of Hale Center, lat. 34°03', long. 101°48'. Used drilled irrigation well, diameter 13 inches, depth 200 feet. Records available: 1947-49. Mar. 14, 1947, 61.92; Feb. 28, 1948, 64.26; Mar. 4, 1949, 66.21.

564. T. F. Mounts. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, blk. A1, 2 miles northeast of Hale Center, lat. 34°04', long. 101°48'. Records available: 1937-49. Mar. 7, 66.95.

567. J. B. Maxey. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, blk. A1, 1.25 miles northeast of Hale Center, lat. 34°04', long. 101°49'. Records available: 1936-49. No measurement made in 1949.

569. O. C. Sanders. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. A1, one mile southeast of Hale Center, lat. 34°02', long. 101°49'. Records available: 1914, 1936-49. Mar. 4, 61.72.

617. J. E. Laney. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, blk. JD, 5.5 miles northwest of Hale Center, lat. 34°07', long. 101°54'. Used drilled irrigation well, diameter 14 inches, depth 165 feet. Records available: 1937, 1947-49. Aug. 26, 1937, 53.82; Mar. 21, 1947, 56.43; Feb. 28, 1948, 58.21; Mar. 7, 1949, 60.82.

623. Sunshine School. SW corner sec. 6, blk. 02, 12.5 miles northwest of Hale Center, lat. 34°06', long. 102°03'. Used drilled public-supply well, diameter unknown, depth 68 feet. Records available: 1937-38, 1949. Oct. 11, 1937, 51.04; June 27, 1938, 50.57; Feb. 23, 1949, 55.42.

641. B. A. Dalton. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, blk. 02, 16 miles northwest of Hale Center, lat. 34°10', long. 102°04'. Used drilled irrigation well, diameter 16 inches, depth 208 feet. Records available: 1947-49. Mar. 21, 1947, 72.52; Mar. 12, 1948, 74.24; Feb. 23, 1949, 76.10.

661. J. W. Ewen. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, blk. JK4, 7 miles northwest of Hale Center, lat. 33°08', long. 101°54'. Used drilled irrigation well, diameter 13 inches, depth 233 feet. Records available: 1947-49. Mar. 21, 1947, 70.83; Feb. 28, 1948, 72.86; Mar. 7, 1949, 75.30.

714. W. E. Burnett. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 30, blk. A3, 9 miles southwest of Hale Center, lat. 33°58', long. 101°58'. Used drilled irrigation well, diameter 18 inches, depth 218 feet. Records available: 1947-49. Mar. 21, 1947, 79.50; Feb. 23, 1948, 80.95; Mar. 3, 1949, 83.22.

720b. P. R. Caraway. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, 17 miles southwest of Hale Center, lat. 33°54', long. 102°04'. Records available: 1938-39, 1941, 1943, 1946, 1948. No measurement made in 1949.

724. Mrs. H. D. Johnson. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, Sabine County school land, 13.5 miles southwest of Hale Center, lat. 33°54', long. 101°59'. Used drilled irrigation well, diameter 15.25 inches, depth 240 feet.

Date	Water level	Date	Water level	Date	Water level
July 27, 1937	93.96	Jan. 29, 1940	92.36	Jan. 21, 1947	92.37
Aug. 15, 1938	94.19	Mar. 13	92.57	Mar. 11	92.12
Dec. 22	93.04	Mar. 11, 1941	93.11	Feb. 23, 1948	93.77
June 16, 1939	92.58	Feb. 17, 1944	91.15	Mar. 3, 1949	96.37
Aug. 16	92.50				

798. W. E. Burnett. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, blk. A3, 8.5 miles southwest of Hale Center, lat. 33°59', long. 101°57'. Used drilled irrigation well, diameter 16 inches, depth 277 feet. Records available: 1947-49. Mar. 11, 1947, 80.66; Feb. 23, 1948, 82.89; Mar. 3, 1949, 84.56.

816. A. M. Eason. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, blk. R, 9.5 miles southeast of Hale Center, lat. 33°68', long. 101°43'. Records available: 1936-49. Mar. 3, 57.57.

825. Mathilda Akeson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, blk. A4, 3.25 miles south of Hale Center, lat. 34°01', long. 101°50'. Records available: 1937-44, 1946-47. Measurement discontinued.

828. John Bowling. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, blk. A4, 5 miles south of Hale Center, lat. 33°59', long. 101°51'. Records available: 1937-49. Mar. 3, 78.17.

829. John Bowling. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, blk. A4, 5 miles south of Hale Center, lat. 33°59', long. 101°51'. Used drilled irrigation well, diameter 16 inches, depth 318 feet. Records available: 1947-49. Mar. 11, 1947, 76.74; Feb. 23, 1948, 78.20; Mar. 3, 1949, 79.73.

837. F. L. Hunzicker. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 54, blk. A4, 8 miles southeast of Hale Center, lat. 33°57', long. 101°46'. Records available: 1936-49. Mar. 3, 63.81.

840. Debb McLaughlin. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 12, blk. R, 12 miles southeast of Hale Center, lat. 34°56', long. 101°41'. Records available: 1937-43, 1945-49. Mar. 3, 63.86.

848. Mrs. J. E. Cheney. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 75, blk. A4, 12.5 miles south of Hale Center, lat. 33°53', long. 101°51'. Measurement resumed. Records available: 1937-42, 1948-49. Feb. 23, 1948, 96.52; Mar. 8, 1949, 97.10.

852. Abernathy Cemetery. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 2, blk. X, 15 miles south of Hale Center, lat. 33°50', long. 101°51'. Records available: 1937-49.

852--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	120.18	Apr. 29	119.82	Aug. 31	120.61	Nov. 30	120.64
Feb. 28	119.77	May 31	120.00	Sept. 30	120.55	Dec. 31	120.78
Mar. 31	119.82	Aug. 1	120.13	Oct. 31	120.63		

859. L. Ragland. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, blk. C1, 15.5 miles southeast of Hale Center, lat. 33°52', long. 101°41'. Records available: 1937-49. Mar. 2, 83.08.

906. Floyd Reagan. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 59, blk. R, 14 miles southeast of Hale Center, lat. 34°01', long. 101°36'. Records available: 1936-49. Mar. 2, 43.96.

923. D. C. Bayley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. R, 9.5 miles southeast of Hale Center, lat. 34°01', long. 101°41'. Records available: 1937-49. Mar. 3, 54.38.

936. B. E. Porter. NW $\frac{1}{4}$ NW $\frac{1}{4}$  C. K. Andrews survey, east of sec. 38, blk. R, 14 miles southeast of Hale Center, lat. 33°58', long. 101°37'. Records available: 1936-49. Mar. 2, 52.12.

946. B. E. Porter. SE $\frac{1}{4}$ SE $\frac{1}{4}$  C. K. Andrews survey, east of sec. 38, blk. R, 14.5 miles southeast of Hale Center, lat. 33°57', long. 101°37'. Records available: 1937, 1939-47. Measurement discontinued.

956. J. W. Heard. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, blk. R, 11.5 miles southeast of Hale Center, lat. 33°57', long. 101°41'. Records available: 1937-49. Mar. 3, 69.77.

958. Luther Bain. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. R, 12 miles southeast of Hale Center, lat. 33°56', long. 101°41'. Records available: 1936-49. Mar. 3, 61.23.

971. L. S. Claitor. NW corner NW $\frac{1}{4}$  sec. 15, blk. C1, 17.5 miles southeast of Hale Center, lat. 33°54', long. 101°36'. Records available: 1938-49. Mar. 2, 67.37.

1231. S. Simpson. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, blk. JK2, 13.5 miles northeast of Hale Center, lat. 34°13', long. 101°43'. Used drilled irrigation well, diameter 16 inches, depth 228 feet. Records available: 1947-49. Mar. 3, 1947, 60.20; Feb. 20, 1948, 64.16; Feb. 28, 1949, 68.77.

1336. S. E. Curry. NW corner John Kisor homestead, 12.5 miles northeast of Hale Center, lat. 34°12', long. 101°42'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1945-47, 1949.

Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1945	47.50	Jan. 16, 1947	54.19	Feb. 28, 1949	61.42
Mar. 5, 1946	50.78	Mar. 6	54.08		

1403. Ralph Walker. SW corner F. Bradford survey, 11 miles northeast of Hale Center, lat. 34°09', long. 101°41'. Used drilled irrigation well, diameter 16 inches, depth 150 feet. Records available: 1947-49. Mar. 11, 1947, 52.27; Feb. 24, 1948, 57.64; Mar. 2, 1949, 58.39.

1417. Ralph Walker. SW corner L. G. Hoffman survey, 10 miles northeast of Plainview, lat. 34°08', long. 101°42'. Used drilled irrigation well, diameter 14 inches, depth 160 feet. Records available: 1947-49. Mar. 11, 1947, 58.79; Feb. 24, 1948, 62.19; Mar. 2, 1949, 66.50.

1430. A. F. Schrock. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, blk. D7, 11 miles east of Hale Center, lat. 34°05', long. 101°39'. Used drilled irrigation well, diameter 16 inches, depth 185 feet. Records available: 1945, 1947-49. Nov. 28, 1945, 43.54; Mar. 14, 1947, 46.80; Feb. 26, 1948, 49.16; Mar. 3, 1949, 50.98.

1433. C. C. Castleberry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 31, blk. D6, 12.5 miles northeast of Hale Center, lat. 34°07', long. 101°38'. Used drilled irrigation well, diameter 16 inches, depth 175 feet. Records available: 1947-49. Mar. 14, 1947, 53.30; Feb. 24, 1948, 56.80; Mar. 2, 1949, 61.34.

1436. H. O. Thompson. NW. corner sec. 34, blk. D6, 13.5 miles northeast of Hale Center, lat. 39°07', long. 101°37'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 14, 1947, 58.79; Feb. 24, 1948, 62.45; Mar. 2, 1949, 67.81.

1437. H. O. Thompson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, blk. D6, 13.5 miles northeast of Hale Center, lat. 34°07', long. 101°37'. Used drilled irrigation well, diameter 15.5 inches, depth 200 feet. Records available: 1944, 1947-49. Feb. 17, 1944, 50.11; Mar. 14, 1947, 58.74; Feb. 24, 1948, 62.41; Mar. 2, 1949, 67.78.

1529. R. O. Burnett. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, blk. D7, 7 miles east of Hale Center, lat. 34°04', long. 101°43'. Used drilled irrigation well, diameter 14 inches, depth 240 feet. Records available: 1947-49. Mar. 14, 1947, 48.53; Feb. 28, 1948, 50.27; Mar. 3, 1949, 52.61.

1604. J. E. Laney. 3 miles east of NE. corner sec. 8, blk. JD, 4 miles northwest of Hale Center, lat. 34°06', long. 101°52'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 21, 1947, 62.07; Feb. 28, 1948, 64.38; Mar. 7, 1949, 67.43.

1609. W. P. Shannon. SE $\frac{1}{4}$  sec. 21, blk. A2, 2 miles northwest of Hale Center, lat. 34°04', long. 101°52'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 21, 1947, 64.60; Feb. 28, 1948, 67.54; Mar. 7, 1949, 68.75.

1921. J. V. Newton. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. CL, 18.5 miles southeast of Hale Center, lat. 33°53', long. 101°36'. Used drilled irrigation well, diameter 16 inches, depth 180 feet. Records available: 1947-49. Mar. 11, 1947, 67.69; Feb. 28, 1948, 70.49; Mar. 2, 1949, 75.19.

#### Harris County

6a. C. H. Burton. At east edge of Waller, lat. 30°03', long. 95°55'. Records available: 1931-35, 1939-49. Feb. 10, 14.81; June 29, 10.59; Sept. 19, 13.83; Dec. 16, 9.64.

11. H. J. Moore. Formerly owned by J. A. Hafner. 2.25 miles southeast of Waller, lat. 30°02', long. 95°52'. Records available: 1931-33, 1936-49. Feb. 10, 43.96; June 29, 48.17; Sept. 19, 44.19; Dec. 16, 43.99.

14. J. A. Hafner. 1.75 miles east of Waller, lat. 30°03', long. 95°53'. Records available: 1931-34, 1936-49. Feb. 10, 61.46; June 29, 76.05; Dec. 16, 66.02.

31. R. L. Burton. 4 miles southeast of Waller, lat. 30°02', long. 95°51'. Records available: 1931-33, 1935-36, 1938-49. Feb. 10, 51.68; June 16, 82.27; Sept. 19, 99.92; Dec. 16, 57.58.

33. W. C. Neeley. In Hockley, lat. 30°01', long. 95°50'. Records available: 1931-49. Feb. 10, 33.84; June 16, 37.38; Sept. 16, 38.67; Dec. 16, 38.75.

35. Dr. A. N. Boyd. 6.25 miles southeast of Waller, lat. 30°01', long. 95°49'. Records available: 1931-49. Feb. 10, 30.41; June 16, 29.73; Sept. 16, 32.93; Dec. 16, 31.70.

40. Ira Southard. Near Hockley, lat. 30°01', long. 95°50'. Records available: 1940-49. Jan. 20, 54.03; Mar. 10, 50.67; Nov. 29, 60.83.

69. W. F. Klenk. 5 miles west of Spring, lat. 30°03', long. 95°29'. Records available: 1944-49. Feb. 14, 27.40; June 14, 27.63; Sept. 23, 27.63; Dec. 20, 26.15.



70. E. W. Klenk. 5 miles west of Spring, lat. 30°03', long. 95°29'. Records available: 1938, 1944-49. Feb. 14, 27.08; June 14, 27.38; Sept. 23, 28.21; Dec. 20, 28.73.

95. H. C. Middlestead. 1.75 miles southeast of Spring, lat. 30°03', long. 95°25'. Records available: 1931-36, 1939-49. Feb. 14, 22.56; June 14, 18.91; Sept. 23, 20.71; Dec. 20, 12.46.

97. H. C. Middlestead. 1.2 miles northwest of Westfield, lat. 30°03', long. 95°26'. Records available: 1931-36, 1938-44, 1946-49. June 14, 11.28; Dec. 20, 3.35.

98. John Jones. 4.5 miles west of Westfield, lat. 30°00', long. 95°28'. Records available: 1943-49. Feb. 14, 30.76.

100. D. D. Mintz. 4.3 miles west of Westfield, lat. 30°00', long. 95°27'. Records available: 1944-49. Feb. 14, 36.70; June 14, 36.23; Sept. 23, 37.42; Dec. 20, 37.25.

104. George Glameyer. 4.5 miles south of Spring, lat. 30°01', long. 95°25'. Records available: 1931, 1938-49. Feb. 14, 19.40; June 13, 17.68; Sept. 23, 18.90; Dec. 20, 13.78.

108. R. L. Glazner. 1.75 miles west of Westfield, lat. 30°01', long. 95°26'. Records available: 1943-49. Feb. 14, 40.98; June 14, 40.65; Sept. 23, 42.42; Dec. 20, 41.10.

134. Ira Southard. Well 1. 9 miles northwest of Cypress, lat. 29°54', long. 95°49'. Records available: 1931, 1939-49. May 20, 56.58; Nov. 29, 62.49.

134a. Ira Southard. Well 3. 9 miles southwest of Cypress, lat. 29°54', long. 95°49'. Records available: 1939, 1941-42, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Oct. 29, 1941	51.75	Mar. 26, 1947	53.98	Mar. 7, 1949	56.67
Jan. 21, 1942	49.78	Mar. 17, 1948	53.86	Nov. 28	59.73
Mar. 18	48.87				

136. Jess Freeman. Well 1. 9 miles southwest of Cypress, lat. 29°52', long. 95°48'. Records available: 1931, 1933, 1939-49. Mar. 7, 59.39; Nov. 29, 62.78.

139. Oscar Kemp. Well 1. 7.1 miles northeast of Katy, lat. 29°53', long. 95°47'. Records available: 1931-33, 1939-49. Jan. 20, 57.92; Mar. 7, 56.47; Nov. 29, 61.91.

140. Oscar Kemp. Well 2. 7.5 miles northeast of Katy, lat. 29°53', long. 95°47'. Records available: 1939-49. Jan. 20, 57.76; Mar. 7, 56.28; Nov. 29, 62.18.

157. H. J. Longenbaugh. Well 2. 10 miles northeast of Katy, lat. 29°55', long. 95°47'. Records available: 1940-44, 1946, 1948-49. Jan. 20, 40.97; Mar. 10, 39.60; Nov. 29, 44.91.

167. E. C. Smith. 1.75 miles northwest of Cypress, lat. 29°58', long. 95°43'. Records available: 1931-36, 1938-49. Feb. 10, 20.04; June 16, 22.81; Sept. 16, 27.34.

169a. Ben Pugh. 2.9 miles northwest of Cypress, lat. 29°59', long. 95°45'. Records available: 1938-49.

Mar. 17, 1948	14.22	Jan. 20, 1949	23.37	Nov. 29, 1949	18.93
Nov. 12	30.58	Mar. 10	20.17		

171. E. H. Juergen. In Cypress, lat. 29°58', long. 95°41'. Records available: 1931-49. Feb. 9, 11.62; June 16, 11.41; Sept. 16, 12.78; Dec. 16, 12.94.

178. K. P. Black. 5 miles southeast of Cypress, lat. 29°55', long. 95°38'. Records available: 1931-33, 1935-36, 1939-49. Feb. 9, 14.33; June 16, 6.10; Sept. 16, 6.88; Dec. 16, 1.05.

182. Joel Schmidt. 4.5 miles south of Cypress, lat. 29°54', long. 95°41'. Records available: 1939, 1941-49. Jan. 20, 36.13; Mar. 9, 35.13; Nov. 30, 37.78.

186. T. B. Tucker. Well 3. 6 miles southwest of Cypress, lat. 29°53', long. 95°44'. Records available: 1931, 1939-49. Jan. 20, 38.25; Mar. 9, 36.70; Nov. 30, 40.79.

196. Humble Pipe Line Co. 0.5 miles southeast of Cypress, lat. 29°54', long. 95°37'. Unused drilled industrial well, diameter 6 inches, depth 333 feet. Records available: 1940, 1948-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1940	31.5	Feb. 9, 1949	37.42	Sept. 16, 1949	47.61
Dec. 13, 1948	37.88	June 16	40.71	Dec. 16	35.86

206. R. B. Tucker. At Satsuma, lat. 29°54', long. 95°36'. Records available: 1931-48. Measurement discontinued.

211. Amerada-Stanolind. 4 miles northwest of Fairbanks, lat. 29°54', long. 95°35'. Records available: 1946-49. Feb. 19, 52.49; June 29, 61.91; Sept. 16, 62.82; Dec. 16, 54.74.

221. S. Terpstra. 10.75 miles east of Cypress, lat. 29°56', long. 95°31'. Records available: 1938-49. Feb. 15, 54.40; June 15, 54.45; Sept. 28, 58.88; Dec. 19, 52.10.

225. Trinity & Brazos Valley Railway Co. 11.5 miles southeast of Cypress, lat. 29°55', long. 95°31'. Records available: 1938-49. Feb. 15, 69.73; June 14, 71.89; Sept. 28, 77.34; Dec. 19, 72.37.

226. W. A. Fraser. 3 miles east of Satsuma, lat. 29°55', long. 95°34'. Records available: 1941-43, 1945-49. Sept. 16, 65.96.

229. F. S. Clancy. 4 miles northeast of Satsuma, lat. 29°56', long. 95°33'. Records available: 1946-49. Feb. 14, 56.61; Sept. 28, 62.32.

230. Amerada-Stanolind. 2.3 miles north of Fairbanks, lat. 29°53', long. 95°31'. Records available: 1946-48. No measurement made in 1949.

231. Jack Frazier Drilling Co. About 100 yards south of Fairbanks-West Montgomery road and between North Houston-Rosslyn road and railroad, lat. 29°51', long. 95°29'. Records available: 1946-49. Feb. 15, 67.42; June 14, 66.47; Sept. 28, 70.99; Dec. 19, 70.22.

249. United Gas Corporation. 4.5 miles west of Aldine, lat. 29°54', long. 95°26'. Records available: 1946-49. Feb. 15, 42.03; June 14, 39.28; Sept. 28, 41.98; Dec. 19, 40.06.

253. Homer J. Moore. 3.5 miles west of Aldine, lat. 29°56', long. 95°25'. Records available: 1944-49. Feb. 15, 68.21; Sept. 28, 76.42.

255. J. M. Blake. 2.5 miles northwest of Aldine, lat. 29°57', long. 95°25'. Records available: 1937-49. June 13, 14.98; Sept. 23, 20.02; Dec. 19, 11.91.

258. F. M. Corzeliuss. 2.7 miles northwest of Aldine, lat. 29°57', long. 95°24'. Records available: 1946-49. June 13, 57.04; Sept. 23, 61.69; Dec. 20, 58.42.

264. H. Weary. 3 miles north of Aldine, lat. 29°58', long. 95°23'. Records available: 1931-33, 1937-49. Feb. 14, 58.53; June 13, 59.02; Sept. 23, 62.00; Dec. 20, 59.63.

268. City of Houston test well 10-A. In Westfield, lat. 30°01', long. 95°24'. Records available: 1939-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 24	51.65	July 25	53.18	Sept. 26	54.43	Nov. 25	54.06
June 27	52.30	Aug. 25	53.72	Oct. 24	54.05	Dec. 21	53.56

269. City of Houston test well 7. In Westfield, lat. 30°01', long. 95°24'. Records available: 1939-49.

Jan. 26	3.44	Apr. 25	5.14	July 25	5.80	Oct. 24	7.41
Feb. 24	3.62	May 24	5.75	Aug. 25	6.38	Nov. 25	8.31
Mar. 24	3.79	June 27	5.31	Sept. 26	7.09	Dec. 21	8.57

280. Pan-American Pipe Line Co. 9 miles southeast of Humble, lat. 29°52', long. 95°10'. Records available: 1940, 1943-49. Feb. 4, 68.43; June 6, 69.56; Sept. 12, 70.65; Dec. 14, 70.86.

286. Jack Frazier Drilling Co. 10 miles northeast of Houston courthouse, lat. 29°52', long. 95°15'. Records available: 1940, 1943-49. Feb. 11, 71.70; June 10, 72.90; Sept. 23, 74.01; Dec. 20, 74.08.

287. Jack Frazier Drilling Co. 10 miles northeast of Houston courthouse, lat. 29°53', long. 95°16'. Records available: 1941, 1943-49. Feb. 11, 96.29. Measurement discontinued.

290. J. C. Townes. 5 miles southwest of Humble, lat. 29°55', long. 95°16'. Records available: 1943-49. Feb. 11, 57.60.

291. A. T. McDannald. 4.5 miles south of Humble, lat. 29°55', long. 95°15'. Records available: 1931, 1943-49. Feb. 11, 50.88; June 10, 51.62; Sept. 29, 52.97.

302. McDannald Oil Co. 3 miles southeast of Humble, lat. 29°58', long. 95°13'. Records available: 1939-41, 1943-49. Feb. 11, 68.19; June 13, 69.11; Sept. 29, 72.13; Dec. 23, 73.83.

305. A. T. McDannald. 4.5 miles south of Humble, lat. 29°55', long. 95°15'. Records available: 1943-49. Feb. 11, 10.88; June 10, 8.46; Sept. 29, 10.94.

306. Bender Estate. 4 miles southeast of Humble, lat. 29°59', long. 95°12'. Records available: 1945-49. Feb. 11, 63.92; June 13, 64.48; Sept. 29, 66.27; Dec. 23, 67.16.

326. Gulf Pipe Line Co. 2 miles south of Crosby, lat. 29°52', long. 95°03'. Unused drilled domestic well, diameter 6 inches, depth 533 feet. Records available: 1931, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Oct. 29, 1931	21.94	Sept. 15, 1948	66.86	June 6, 1949	70.72
Dec. 23, 1947	62.60	Dec. 9	68.66	Sept. 12	74.80
Feb. 3, 1948	63.07	Feb. 4, 1949	69.28	Dec. 9	74.93
June 9	64.64				

334a. E. M. Dunks. 0.5 mile north of Huffman, lat. 30°01', long. 95°05'. Used drilled stock well, diameter 4 inches, depth 180 feet. Records available: 1947-49.

Dec. 23, 1947	7.62	Sept. 16, 1948	15.26	June 6, 1949	11.06
Feb. 3, 1948	5.57	Dec. 9	16.70	Sept. 14	14.78
June 9	9.90	Feb. 4, 1949	15.27	Dec. 9	9.44

336. Sinclair Refining Co. 10.5 miles north of Crosby, lat. 30°03', long. 95°05'. Used drilled domestic and industrial well, diameter 10 inches, depth 621 feet. Records available: 1947-49.

Dec. 23, 1947	16.76	Sept. 16, 1948	28.25	Sept. 14, 1949	33.78
Feb. 3, 1948	15.44	Feb. 4, 1949	21.15	Dec. 9	26.80
June 9	17.67	June 6	19.63		

352. A. E. Thompson. 5.75 miles north of Katy, lat.  $29^{\circ}52'$ , long.  $95^{\circ}49'$ . Records available: 1939-41, 1943-49. Jan. 20, 65.42; Mar. 7, 62.33; Nov. 29, 65.27.
357. P. V. Cook. Well 2. 4.5 miles northeast of Katy, lat.  $29^{\circ}50'$ , long.  $95^{\circ}48'$ . Records available: 1931-33, 1939-48. Measurement discontinued.
362. E. G. Stockdick. Well 2. 4 miles northeast of Katy, lat.  $29^{\circ}49'$ , long.  $95^{\circ}46'$ . Records available: 1931-33, 1938-49. Mar. 8, 56.57; Nov. 30, 61.01.
367. W. C. Hickman. 3.25 miles east of Katy, lat.  $29^{\circ}48'$ , long.  $95^{\circ}46'$ . Records available: 1930, 1938-49. Jan. 25, 56.64; Mar. 9, 54.97; Nov. 30, 62.52.
370. J. M. Johnson. 3 miles east of Katy, lat.  $29^{\circ}47'$ , long.  $95^{\circ}46'$ . Records available: 1929-31, 1938-44, 1948-49. Mar. 9, 57.56; Dec. 1, 65.24.
371. L. E. Morrison. 3.5 miles southeast of Katy, lat.  $29^{\circ}45'$ , long.  $95^{\circ}46'$ . Records available: 1939-49. Jan. 25, 55.56; Mar. 9, 53.87; Dec. 1, 61.24.
380. W. H. Hegar. 8 miles northeast of Katy, lat.  $29^{\circ}52'$ , long.  $95^{\circ}43'$ . Records available: 1939-48. No measurement made in 1949.
381. W. H. Hegar. 7.5 miles northeast of Katy, lat.  $29^{\circ}52'$ , long.  $95^{\circ}45'$ . Records available: 1931-33, 1939-49. Jan. 20, 37.43; Mar. 9, 36.52; Nov. 30, 34.70.
382. W. C. Stockdick. 6 miles northeast of Katy, lat.  $29^{\circ}50'$ , long.  $95^{\circ}44'$ . Records available: 1939-49. Jan. 25, 55.98; Mar. 8, 54.21; Nov. 30, 60.14.
384. A. J. Jordens. 6 miles northeast of Katy, lat.  $29^{\circ}49'$ , long.  $95^{\circ}44'$ . Records available: 1932-33, 1939-49. Jan. 25, 52.65; Mar. 8, 51.78; Nov. 30, 58.02.
385. A. J. Jordens. 6 miles northeast of Katy, lat.  $29^{\circ}49'$ , long.  $95^{\circ}44'$ . Records available: 1933, 1939-49. Jan. 25, 52.27; Mar. 8, 51.13; Nov. 30, 57.04.
399. Gertie Rice Farm. 9.5 miles northeast of Katy, lat.  $29^{\circ}51'$ , long.  $95^{\circ}41'$ . Records available: 1939-49. Jan. 25, 38.10; Mar. 9, 37.45; Nov. 30, 40.74.
420. E. A. Showers. 4 miles northeast of Alief, lat.  $29^{\circ}44'$ , long.  $95^{\circ}32'$ . Records available: 1946-49. Feb. 9, 62.91; July 1, 66.63; Sept. 21, 68.70; Dec. 22, 65.79.
422. Cities Service Oil Co. 3 miles northeast of Alief, lat.  $29^{\circ}44'$ , long.  $95^{\circ}33'$ . Records available: 1946-49. Feb. 9, 57.96; July 1, 70.10; Sept. 21, 72.72; Dec. 22, 61.24.
424. Buffalo Oaks. 2 miles north of Alief, lat.  $29^{\circ}44'$ , long.  $95^{\circ}35'$ . Records available: 1946-49. Sept. 21, 84.81.
456. Frank Willberg. In southeast part of Fairbanks, lat.  $29^{\circ}50'$ , long.  $95^{\circ}31'$ . Records available: 1931, 1939-49. Feb. 10, 70.97; June 16, 69.18; Sept. 16, 75.56; Dec. 16, 74.11.
473. H. W. Rasmussen. 8.5 miles west of Houston courthouse, lat.  $29^{\circ}45'$ , long.  $95^{\circ}30'$ . Records available: 1938-49. Feb. 9, 80.64; Sept. 21, 90.50; Dec. 22, 85.25.
480. John Pillot. 2 miles northeast of Clodine, lat.  $29^{\circ}44'$ , long.  $95^{\circ}40'$ . Records available: 1941-49. Jan. 25, 49.9; Mar. 9, 47.93; Nov. 23, 56.78.

489. City of Houston test well 4a. 2 miles west of Alief, lat. 29°42', long. 95°37'. Records available: 1939-49. Feb. 9, 56.73; July 1, 66.43; Sept. 21, 72.69; Dec. 22, 61.28.

490. City of Houston test well 5. In Alief, lat. 29°42', long. 95°35'. Records available: 1939-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	97.56	Apr. 25	95.57	Aug. 25	101.68	Nov. 25	104.33
Feb. 25	96.87	June 27	98.45	Sept. 23	103.83	Dec. 21	102.98
Mar. 25	96.08	July 25	100.41	Oct. 24	104.45		

498. Brae Burn Country Club. 11 miles southwest of Houston courthouse, lat. 29°40', long. 95°31'. Records available: 1937-49. Feb. 8, 67.42; Sept. 20, 73.79; Dec. 22, 68.36.

504. Dr. E. W. K. Andrau. 1.1 miles northeast of Alief, lat. 29°43', long. 95°35'. Records available: 1946-49. Feb. 9, 62.46; Dec. 22, 70.0.

512. Joe Kowis. 8.5 miles northwest of Houston courthouse, lat. 29°49', long. 95°29'. Records available: 1931-49. Feb. 9, 9.55; June 16, 4.87; Sept. 16, 7.82; Dec. 16, 0.81.

519. Felix Meyers. 6.75 miles northwest of Houston courthouse, lat. 29°48', long. 95°27'. Records available: 1937-49. Feb. 9, 10.31; June 29, 13.85; Sept. 16, 10.88; Dec. 16, 2.65.

538. The Bayou Club. 6 miles northwest of Houston courthouse, lat. 29°46', long. 95°27'. Records available: 1940, 1943-49. Feb. 7, 102.99; June 9, 103.62; Sept. 15, 110.98; Dec. 15, 107.71.

585. Houston Textile Mills, Inc. 4 miles northeast of Houston courthouse, lat. 29°49', long. 95°22'. Unused drilled domestic and industrial well, diameter 12 inches, depth 950 feet. Records available: 1931, 1938-41, 1949.

Date	Water level	Date	Water level	Date	Water level
Mar. 21, 1931	52.99	May 21, 1939	75.89	May 5, 1940	82.25
Nov. 6, 1938	74.45	Sept. 3	82.20	Feb. 16, 1941	84.19
Dec. 18	71.51	Oct. 29	81.31	Feb. 21, 1949	148.98
Feb. 19, 1939	69.54	Dec. 17	79.49	June 10	155.06
Apr. 23	73.01	Jan. 14, 1940	78.85	Sept. 29	157.30

591. City of Houston. Well Heights 3. 4 miles northwest of Houston courthouse, lat. 29°48', long. 95°24'. Records available: 1938-49. Feb. 7, 174.20; June 8, 183.05; Sept. 14, 190.10; Dec. 15, 184.49.

602. River Oaks Country Club. Well 1. 4 miles west of Houston courthouse, lat. 29°45', long. 95°25'. Records available: 1931-49. Feb. 7, 135.40; June 9, 139.64; Sept. 15, 133.46; Dec. 15, 130.39.

604. Horlock Ice Co. 2.2 miles northwest of Houston courthouse, lat. 29°46', long. 95°24'. Records available: 1937-49. Feb. 7, 98.79; June 8, 103.96; Sept. 14, 104.26; Dec. 15, 99.37.

607. Henke & Pillot. 2 miles northwest of Houston courthouse, lat. 29°46', long. 95°23'. Records available: 1931, 1943-49. No measurement made in 1949.

619. City of Houston. 1 mile west of Houston courthouse, lat. 29°45', long. 95°22'. Records available: 1931-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	146.79	Apr. 25	145.54	July 25	151.58	Oct. 24	150.12
Feb. 25	146.59	May 24	149.70	Aug. 25	155.14	Nov. 25	149.74
Mar. 25	146.98	June 27	150.41	Sept. 26	154.09	Dec. 21	145.30

651a. L. P. Mallett. 9 miles north of Houston courthouse, lat. 29°53', long. 95°23'. Records available: 1938-49. Feb. 11, 100.07; June 10, 100.51; Sept. 23, 104.22; Dec. 20, 102.80.

651b. L. P. Mallett. 9 miles north of Houston courthouse, lat. 29°53', long. 95°23'. Records available: 1938-49. Feb. 11, 20.06; June 14, 15.33; Sept. 23, 19.64; Dec. 20, 10.44.

651d. Joe Morales. 8 miles north of Houston courthouse, lat. 29°52', long. 95°21'. Records available: 1938-49. Feb. 11, 109.07; June 10, 109.20; Sept. 23, 113.83; Dec. 20, 111.86.

656. Texas Greasoting Co. 4.5 miles north of Houston courthouse, lat. 29°49', long. 95°21'. Records available: 1931-49. Feb. 4, 152.63; June 8, 158.04; Sept. 14, 163.09; Dec. 15, 158.09.

663. South Texas Cotton Oil Co. Well 1. About 2.5 miles northeast of Houston courthouse, lat. 29°47', long. 95°20'. Records available: 1931, 1938-49. Feb. 4, 93.22; June 8, 95.04; Sept. 14, 95.32; Dec. 14, 91.28.

664. South Texas Cotton Oil Co. Well 3. About 2.5 miles northeast of Houston courthouse, lat. 29°47', long. 95°20'. Used drilled industrial well, diameter 16 inches, -depth 780 feet. Records available: 1946-49.

Date	Water level	Date	Water level	Date	Water level
Sept. 3, 1946	145.28	Feb. 4, 1948	153.34	June 8, 1949	165.00
Dec. 5	145.58	June 9	159.20	Sept. 14	168.20
June 2, 1947	146.92	Sept. 17	164.33	Dec. 14	162.32
Dec. 8	154.27	Feb. 4, 1949	162.82		

666a. Houston Foundry & Machine Co. In Houston at White and Weber Streets, lat. 29°46', long. 95°21'. Records available: 1938-49. Feb. 7, 124.72; June 8, 126.12; Sept. 14, 130.12; Dec. 15, 126.27.

711. San Jacinto Hotel. In Houston, at 820 Main Street, lat. 29°45', long. 95°21'. Records available: 1940-49. Feb. 1, 187.46; June 2, 195.36; Sept. 8, 201.47; Dec. 5, 193.05.

748. Gulf Pipe Line Co. 5 miles northeast of Houston courthouse, lat. 29°47', long. 95°47'. Records available: 1931, 1939-49. Feb. 4, 152.15; June 7, 154.47; Sept. 13, 158.72; Dec. 9, 157.53.

751. The Texas Pipeline Co. 5 miles northeast of Houston courthouse, lat. 29°47', long. 95°47'. Records available: 1931, 1937-49. Feb. 3, 158.37; June 7, 160.76; Sept. 13, 163.92; Dec. 9, 163.64.

757. Layne-Borger Co. 4 miles east of Houston courthouse, lat. 29°46', long. 95°17'. Records available: 1931-49. Feb. 3, 171.76; June 7, 173.84; Sept. 13, 176.85; Dec. 15, 175.58.

759. Port City Compress & Warehouse Co. 4.75 miles east of Houston courthouse, lat. 29°45', long. 95°17'. Records available: 1931-49. May 9, 181.90; June 7, 183.45; Sept. 13, 186.60; Dec. 15, 185.17.

787a. American Service Co. Well 2. In Houston, at 1623 Westheimer Street, lat. 29°44', long. 95°24'. Records available: 1938-45, 1947-48. No measurement made in 1949.

788. Shepherd Laundries. In Houston at 2400 Louisiana Street, lat. 29°44', long. 95°22'. Records available: 1930, 1938-41, 1948-49.

Mar. 24, 1948	162.10	Dec. 10, 1948	173.81	Sept. 15, 1949	179.55
June 10	166.64	Feb. 8, 1949	173.49	Dec. 15	180.17
Sept. 20	172.57	June 9	178.35		

797. Rice Institute. 3.5 miles southwest of Houston post office, lat. 29°43', long. 95°29'. Unused drilled well, diameter 6 inches, depth 910 feet. Records available: 1931, 1949.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1931	66.89	June 9, 1949	112.03	Dec. 15, 1949	110.32
Feb. 21, 1949	117.50	Sept. 15	109.92		

798. Rice Institute. 3.5 miles southwest of Houston post office, lat. 29°43', long. 95°29'. Records available: 1931, 1938-42, 1949. Feb. 21, 115.22; June 9, 118.54; Sept. 15, 124.56; Dec. 15, 116.85.

798a. H. C. Weiss. In Houston at South Main and Sunset Streets, lat. 29°43', long. 95°23'. Records available: 1938-49. Feb. 7, 119.22; Dec. 15, 115.71.

807a. City of Bellaire, well 1, lat. 29°42', long. 95°28'. Records available: 1938-42, 1946-49. Feb. 7, 114.57; June 9, 113.19; Sept. 15, 126.20; Dec. 15, 119.41.

812. Harris County School for Girls. 7.75 miles southwest of Houston courthouse, lat. 29°42', long. 95°28'. Records available: 1943-49. Feb. 7, 94.95; June 9, 96.88; Sept. 15, 106.86; Dec. 15, 99.74.

853. Houston Ice & Cold Storage Co. In Houston, at 2715 McKinney Street, lat. 29°44', long. 95°20'. Records available: 1937-49. Feb. 1, 148.06; June 2, 158.67; Sept. 8, 155.48; Dec. 5, 141.39.

854. Houston Ice & Cold Storage Co. In Houston, at 2715 McKinney Street, lat. 29°44', long. 95°20'. Records available: 1937-49. Feb. 1, 145.66; Sept. 8, 148.22; Dec. 5, 135.92.

876. Houston Country Club. 3.75 miles southeast of Houston courthouse, lat. 29°43', long. 95°18'. Records available: 1937-49. Feb. 1, 156.08; June 2, 159.45; Sept. 8, 164.82; Dec. 5, 162.39.

878. Gulf Atlantic Warehouse Co. In Houston, at Anderson-Clayton Turning Basin, lat. 29°44', long. 95°17'. Records available: 1937-49. Dec. 5, 172.35.

879. City of Houston, Magnolia Park. Well 2. In Houston, at 7300 Canal Street, lat. 29°44', long. 95°17'. Records available: 1938-42, 1945-49.

Highest daily water level, from recorder charts

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	177.0	179.3	180.1	180.9	182.0	181.0	180.0
2	.....	177.2	180.0	180.2	181.0	181.9	180.9	180.0
3	.....	177.3	179.8	180.2	181.0	181.6	180.9	180.0
4	.....	177.5	179.6	180.2	180.8	180.3	180.8	179.9
5	.....	177.4	179.5	180.2	180.7	181.6	180.8	179.7
6	.....	177.3	179.5	180.0	180.6	181.8	180.6	179.6
7	.....	177.4	179.6	179.8	180.6	181.7	180.4	179.6
8	.....	177.5	179.8	179.7	180.8	181.6	180.4	179.6
9	.....	177.6	179.8	179.7	180.8	181.5	180.5	179.6
10	.....	177.8	179.6	179.7	180.8	181.5	180.6	179.4
11	.....	178.0	179.5	179.7	180.6	181.5	180.6	179.1
12	.....	177.8	179.5	179.7	180.5	181.5	180.5	179.1
13	.....	177.7	179.6	179.7	180.6	181.6	180.3	179.1
14	.....	177.7	179.8	179.6	180.7	181.7	180.1	179.0
15	.....	177.9	179.8	179.6	180.8	181.6	180.2	179.0
16	.....	178.1	179.7	179.7	180.9	181.5	180.3	179.0
17	.....	178.2	179.6	179.9	180.8	181.4	180.4	178.8
18	.....	178.4	179.6	180.2	180.7	181.4	180.5	178.7
19	.....	178.5	179.6	180.4	180.5	181.4	180.5	178.6
20	.....	178.4	179.8	180.5	180.5	181.5	180.4	178.5
21	.....	178.5	179.8	180.0	180.6	181.5	180.2	178.6
22	.....	178.6	180.0	179.9	180.6	181.5	180.3	178.7
23	176.8	178.8	180.1	180.5	180.8	181.4	180.2	178.7
24	176.9	179.1	179.9	180.6	180.9	181.2	180.1	178.4

879--Continued.

Highest daily water level, from recorder charts								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	177.1	179.3	179.8	180.8	180.8	181.2	180.0	178.1
26	177.3	179.4	179.9	181.2	180.7	181.3	179.9	177.8
27	177.3	179.4	180.0	181.1	180.8	181.3	179.8	177.7
28	177.3	179.5	180.1	180.9	181.2	181.3	179.7	177.7
29	177.1	179.5	180.2	180.8	181.6	181.2	179.7	177.9
30	176.9	179.2	180.3	180.8	181.9	181.0	179.9	177.9
31	176.9		180.2	180.8		181.1		177.7

881. Terminal Compress & Warehouse Co. In Houston, at 82d and Harrisburg Street, lat. 29°43', long. 95°16'. Records available: 1931, 1937-49. Feb. 1, 176.36; June 2, 179.74; Sept. 8, 176.49; Dec. 5, 179.72.

883. Tennessee Coal & Iron Railroad Co. well 1. U. S. Steel Co. 6.5 miles southeast of Houston courthouse, lat. 29°43', long. 95°15'. No measurement made in 1949.

898a. Allen Estate. In Houston, at Park Place and Popular Streets, lat. 29°41', long. 95°17'. Records available: 1937-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	162.06	Mar. 31	162.46	Apr. 11	163.15	Sept. 8	170.06
Mar. 29	162.23	Apr. 1	161.52	18	163.57	Dec. 5	168.66
30	162.36	5	162.36	June 2	165.31		

909. J. W. Madden. 9 miles southeast of Houston courthouse, lat. 29°37', long. 95°18'. Records available: 1931, 1934, 1940-49. Feb. 8, 56.93; Sept. 20, 59.88; Dec. 22, 64.9.

933. Champion Paper & Fibre Co. test well. 9 miles northeast of Houston courthouse, lat. 29°49', long. 95°13'. Records available: 1939-49. Feb. 4, 127.75; June 8, 131.29; Sept. 13, 142.67; Dec. 14, 139.94.

934. Champion Paper & Fibre Co., 9 miles northeast of Houston courthouse, lat. 29°49', long. 95°13'. Records available: 1939-49. Feb. 4, 81.59; June 8, 82.55; Sept. 13, 83.66; Dec. 14, 84.10.

936. The Texas Co. At Camp Beaty. 9 miles northeast of Houston courthouse, lat. 29°47', long. 95°12'. Records available: 1940, 1942-49. Feb. 3, 148.30; Sept. 13, 153.68; Dec. 9, 153.5.

939. San Jacinto Ordnance Depot construction well 2. 14 miles east of Houston courthouse, lat. 29°44', long. 95°07'. Records available: 1941, 1943-49. Feb. 3, 158.38; June 7, 159.16; Sept. 13, 159.04; Dec. 14, 163.30.

940. San Jacinto Ordnance Depot construction well 1. 14.5 miles east of Houston courthouse, lat. 29°45', long. 95°06'. Records available: 1941, 1943-49. Feb. 3, 151.82; June 7, 153.06; Sept. 13, 154.05; Dec. 14, 155.61.

943. Gulf Pipe Line Co. At Lynchburg pump station, lat. 29°46', long. 95°04'. Records available: 1943-49. Feb. 3, 114.04; June 6, 116.13; Sept. 12, 120.19; Dec. 9, 120.45.

947. Leon J. Vetrano. 11 miles northwest of Goose Creek, lat. 29°50', long. 95°06'. Records available: 1940, 1943-49. Feb. 4, 91.12; Sept. 12, 100.48; Dec. 14, 94.05.

1019. Captain Chas. Grotty. At Morgans Point, lat. 29°40', long. 94°58'. Records available: 1939-49. Feb. 2, 117.79; Feb. 16, 117.30. Measurement discontinued.



1100d. Du Pont Chemical Plant. 2.7 miles northwest of La Porte, lat. 29°42', long. 95°02'. Unused drilled observation well, diameter 4 inches, depth 989 feet, screen from 979 to 989 feet. Records available: 1947-49.

Date	Water level	Date	Water level	Date	Water level
Sept. 17, 1947	123.14	Sept. 16, 1948	133.39	June 3, 1949	140.98
Dec. 2	124.95	Dec. 7	134.06	Sept. 9	145.79
Feb. 2, 1948	126.37	Feb. 2, 1949	134.95	Dec. 8	149.49
June 8	129.71				

1100e. Du Pont Chemical Plant. 2.8 miles northwest of La Porte, lat. 29°41', long. 95°02'. Unused drilled observation well, diameter 4 inches, depth 538 feet, screen from 528 to 538 feet. Records available: 1947-49.

Sept. 17, 1947	139.18	Sept. 16, 1948	156.52	June 3, 1949	158.95
Dec. 2	136.94	Dec. 7	155.79	Sept. 9	160.57
Feb. 2, 1948	137.35	Feb. 2, 1949	155.76	Dec. 8	156.24
June 8	154.48				

1100f. Du Pont Chemical Plant. 4.5 miles west-northwest of La Porte, lat. 29°41', long. 95°05'. Unused drilled observation well, diameter 4 inches, depth 505 feet, screen from 495 to 505 feet. Records available: 1947-49.

Sept. 17, 1947	136.76	Sept. 16, 1948	152.44	June 3, 1949	153.89
Dec. 2	133.87	Dec. 7	152.26	Sept. 9	156.79
Feb. 2, 1948	134.24	Feb. 2, 1949	152.07	Dec. 8	155.74
June 8	145.82				

1101a. M. M. Graves Estate. 8.5 miles west of Goose Creek, lat. 29°42', long. 95°06'. Records available: 1931-32, 1934, 1939-49. Feb. 2, 162.88; June 3, 170.61.

1104. City of La Porte well 1. At La Porte water plant, lat. 29°39', long. 95°01'. Records available: 1930-31, 1937, 1940-49.

Feb. 2	136.92	June 3	137.42	Dec. 8	138.24
16	136.55	Sept. 12	141.20		

1106. West & Siabara. 4.5 miles west of La Porte, lat. 29°39', long. 95°05'. Records available: 1946-49. Dec. 8, 133.62.

1117. Humble Oil & Refining Co. 17 miles southeast of Houston courthouse, lat. 29°37', long. 95°07'. Records available: 1940, 1944-49. Feb. 1, 117.40; June 3, 120.81; Sept. 9, 125.59; Dec. 8, 122.05.

1152a. City of Galena Park well 1. In Galena Park, at water works, lat. 29°44', long. 95°14'. Records available: 1937, 1939-49. Feb. 3, 217.64; June 7, 219.48; Sept. 13, 219.91; Dec. 9, 215.10.

1161. Sinclair Refining Co. well 6. 3 miles north of South Houston, lat. 29°42', long. 95°14'. Records available: 1924, 1937-49.

Highest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	214.3	218.8	219.2	222.0	220.2	217.4	225.8	218.0	215.2	225.3	220.0	219.5
2	215.1	.....	219.3	222.0	220.3	218.9	226.1	217.9	215.2	225.5	220.5	219.2
3	.....	.....	219.3	222.1	220.7	218.8	226.4	216.8	215.3	225.5	221.2	219.0
4	215.8	.....	219.4	222.2	220.8	219.3	224.7	215.8	215.4	225.0	221.2	219.5
5	215.8	.....	219.4	222.2	221.0	219.6	223.7	215.5	.....	225.3	221.6	219.1
6	215.8	.....	219.7	222.2	221.3	219.7	222.8	215.9	217.5	225.4	221.9	218.9
7	217.0	219.5	219.7	222.3	221.5	220.1	222.3	216.4	219.0	225.3	222.7	218.9
8	217.3	129.3	219.9	221.6	221.6	220.9	222.4	216.8	218.8	224.6	223.2	218.2
9	217.3	219.2	220.5	221.4	221.5	220.9	222.6	217.0	219.0	224.2	223.0	216.8
10	216.7	219.1	220.4	221.4	221.5	221.1	222.4	216.8	219.5	224.0	222.9	214.5
11	216.6	219.0	220.4	221.2	221.4	221.3	222.1	216.9	219.5	223.7	222.1	.....
12	216.3	218.9	220.4	220.9	221.6	221.6	222.0	217.1	219.7	224.0	222.1	.....
13	216.3	218.9	220.4	220.8	221.7	221.7	220.8	217.7	220.1	224.5	222.8	.....

1161--Continued.

Highest daily water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
14	216.3	219.0	219.2	220.9	221.5	222.0	220.5	218.5	219.9	224.8	223.0	.....
15	216.3	.....	218.5	221.7	221.6	222.1	220.3	219.0	219.6	224.6	223.0	.....
16	215.9	.....	218.4	220.7	221.5	222.2	220.3	219.0	220.1	224.6	222.0	.....
17	215.8	.....	218.5	220.7	221.5	222.5	220.5	218.6	220.0	224.9	220.1	.....
18	215.8	.....	218.7	.....	221.6	222.8	220.7	218.4	219.0	225.2	220.5	.....
19	216.0	.....	218.5	220.9	222.0	223.0	221.0	218.2	218.9	225.2	220.1	.....
20	215.9	.....	218.2	220.8	222.1	223.2	221.2	218.1	219.5	224.5	219.7	.....
21	215.8	.....	218.2	.....	222.0	223.4	221.2	217.9	219.5	223.2	219.7	.....
22	215.7	.....	218.8	220.0	222.0	223.7	221.3	217.3	220.0	222.0	220.5	.....
23	215.8	.....	219.5	219.8	222.5	224.3	221.4	216.7	220.3	222.0	220.7	.....
24	216.0	219.1	220.0	219.7	221.2	224.3	221.2	216.3	220.7	222.5	221.3	.....
25	215.9	219.1	220.2	219.6	219.3	224.3	221.2	216.3	221.7	223.3	220.6	214.2
26	215.9	219.0	220.2	219.3	217.6	224.5	221.4	216.3	222.0	223.9	219.4	213.8
27	216.1	.....	220.8	219.6	217.4	224.3	221.4	216.0	222.6	222.8	218.5	214.3
28	217.2	219.0	220.9	220.1	217.6	224.6	220.6	216.0	223.5	222.0	218.1	214.8
29	218.3	.....	221.4	220.1	216.7	224.8	219.8	216.2	224.3	221.0	218.5	214.7
30	218.6	.....	221.7	220.4	216.5	225.2	219.1	215.4	225.1	220.3	219.1	214.2
31	218.7	.....	221.8	.....	217.1	.....	218.5	215.4	.....	220.0	.....	213.9

1170. Houston Lighting & Power Co. At Deepwater plant, 4.25 miles north of South Houston, lat.  $29^{\circ}43'$ , long.  $95^{\circ}13'$ . Measurements by owner. Records available: 1936-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	221	Apr. 16	222	June 9	220	Sept. 1	221
Mar. 4	219	May 2	223	July 1	226	Oct. 6	226
16	220	16	224	Aug. 4	210	Nov. 1	221
Apr. 1	222						

1181. Phillips Petroleum Co. well 1. At tank farm, 1.3 miles northeast of Pasadena, lat.  $29^{\circ}43'$ , long.  $95^{\circ}12'$ . Records available: 1929, 1945-49. Feb. 2, 234.11; June 6, 229.48; Sept. 12, 221.16; Dec. 8, 226.53.

1182. Port Terminal Railroad Association. At Pasadena, near southeast corner of Crown refinery, lat.  $29^{\circ}43'$ , long.  $95^{\circ}12'$ . Records available: 1939-49. Feb. 8, 242.28; June 6, 236.77; Sept. 12, 226.14; Dec. 8, 232.60.

1187. City of Pasadena well 1. South well of 4 at city hall in Pasadena, lat.  $29^{\circ}42'$ , long.  $95^{\circ}12'$ . Records available: 1937-41, 1944-49. Dec. 8, 212.90.

1205. City of South Houston well 1. South well of 5 at city water works in South Houston, lat.  $29^{\circ}39'$ , long.  $95^{\circ}14'$ . Records available: 1940-49.

Feb. 1	143.48	Mar. 31	144.10	Apr. 11	144.05	Sept. 8	147.26
Mar. 29	144.13	Apr. 1	144.11	18	144.03	Dec. 5	147.37
30	144.12	5	144.03	June 1	144.65		

1209. Texas Fireworks Distributing Co. At South Houston, lat.  $29^{\circ}39'$ , long.  $95^{\circ}13'$ . Records available: 1932-33, 1935-49. Feb. 1, 31.44; June 2, 29.67; Sept. 8, 29.25; Dec. 5, 28.26.

1229. City of Houston test well 8. On Spencer Highway, 3 miles east of South Houston, lat.  $29^{\circ}39'$ , long.  $95^{\circ}11'$ . Records available: 1939-49.

Jan. 26	172.73	Aug. 25	167.73	July 25	177.40	Oct. 24	182.53
Feb. 24	172.87	May 23	172.38	Aug. 25	179.32	Nov. 25	183.42
Mar. 25	172.82	June 27	175.54	Sept. 26	180.95	Dec. 21	183.13

1230. City of Houston test well 9. On Spencer Highway, 3 miles east of South Houston, lat. 29°39', long. 95°11'. Records available: 1939-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	189.33	May 23	190.41	Aug. 25	200.56	Nov. 25	202.07
Feb. 24	190.95	June 27	193.43	Sept. 26	203.93	Dec. 21	201.39
Mar. 25	190.87	July 25	198.12	Oct. 24	204.94		

1234. City of South Houston well 3. At city waterworks in South Houston, lat. 29°39', long. 95°14'. Records available: 1942-47, 1949.

Mar. 29	118.70	Apr. 1	120.48	Apr. 18	119.41	Sept. 8	117.78
30	120.40	Apr. 5	120.77	June 2	117.76	Dec. 5	115.23
31	121.45	11	119.14				

1237. East End Water Works well Meadowbrook 2. 8.25 miles southeast of Houston courthouse, lat. 29°40', long. 95°15'. Unused drilled well, diameter 10 inches, depth 1,157 feet. Records available: 1941, 1949.

Date	Water level	Date	Water level	Date	Water level
July 31, 1941	105.8	Apr. 1, 1949	177.40	May 10, 1949	181.60
Mar. 25, 1949	161.09	11	179.44	June 2	183.58
28	175.05	18	180.58	Sept. 9	193.74
29	176.00	May 3	181.28	Dec. 8	188.74

1267. City of South Side Place well 3. At city waterworks in South Side Place, lat. 29°42', long. 95°26'. Records available: 1941, 1943-49. Feb. 8, 117.69; June 9, 119.50; Sept. 15, 128.73; Dec. 15, 123.55.

1297. State of Texas. Pioneer Airport. 9 miles southeast of Houston courthouse, lat. 29°38', long. 95°17'. Unused drilled well, diameter 8-5/8 inches, depth 650 feet. Records available: 1939, 1949.

July 7, 1939	84.00	Apr. 1, 1949	119.76	June 2, 1949	122.43
Mar. 29, 1949	119.77	5	119.78	Sept. 8	126.45
30	119.73	11	119.90	Dec. 5	125.58
31	119.76	18	120.05		

1299. U. S. Dept. of the Army. Ellington Field 2. 15 miles southeast of Houston courthouse, lat. 29°36', long. 95°10'. Used drilled well, diameter 13-3/8 inches, depth 558 feet, screen at 468-548 feet. Records available: 1941, 1948-49.

Mar. 19, 1941	72.30	Feb. 2, 1949	113.25	Sept. 9, 1949	125.44
Dec. 7, 1948	112.50	June 3	115.69	Dec. 8	117.70

1322. S. Siabara. 18.25 miles southeast of Houston courthouse, lat. 29°34', long. 95°08'. Used drilled irrigation well, diameter 24 inches, depth 806 feet, screen at 416-437; 494-597; 769-806 feet. Records available: 1927, 1935, 1940, 1948-49.

1927	16.0	Jan. 28, 1948	83.5	Feb. 1, 1949	110.68
Apr. 1935	43.0	Dec. 7	111.75	Dec. 5	115.27
June 1940	69.0				

1360. S. Siabara. About 0.25 mile east of Webster, lat. 29°32', long. 95°06'. Records available: 1931-33, 1936-49. June 2, 103.36; Sept. 8, 109.78; Dec. 5, 105.39.

1369. City of South Houston well 2. At city waterworks in South Houston, lat. 29°39', long. 95°14'. Records available: 1941, 1944-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	179.15	Mar. 31	180.03	Apr. 11	180.44	Sept. 8	190.43
Mar. 29	179.95	Apr. 1	180.05	18	181.09	Dec. 5	188.50
30	180.00	5	180.10	June 2	180.80		

1370. City of Jacinto City. On Market Street Road, lat.  $29^{\circ}46'$ , long.  $95^{\circ}14'$ . Records available: 1944-46, 1948-49. Feb. 3, 183.18; June 7, 189.95.

1374. Harris County Water Control & Improvement District No. 11 well 1. On Market Street Road, lat.  $29^{\circ}46'$ , long.  $95^{\circ}12'$ . Records available: 1940, 1942-49. Feb. 3, 196.52; June 7, 203.41; Sept. 13, 203.19; Dec. 9, 196.60.

1398. Mission Manufacturing Co. well 2. On U. S. Highway 59, 3.25 miles northeast of Houston courthouse, lat.  $29^{\circ}48'$ , long.  $95^{\circ}20'$ . Records available: 1939, 1943-47. No measurement made in 1949.

1414. Harris County Water Control & Improvement District 3 well 2. At 816 Rosslyn Street, in Garden Oaks subdivision, lat.  $29^{\circ}49'$ , long.  $95^{\circ}25'$ . Records available: 1940, 1943-48. No measurement made in 1949.

1417. Houston Lighting & Power Co. well 1. 9 miles southwest of Houston courthouse, lat.  $29^{\circ}37'$ , long.  $95^{\circ}27'$ . Records available: 1943-49. Feb. 8, 113.60; June 30, 119.88; Sept. 20, 120.16.

1418. W. B. Nelson. On Hall road, 13 miles southeast of Houston Courthouse, lat.  $29^{\circ}35'$ , long.  $95^{\circ}15'$ . Records available: 1943-49. Sept. 20, 172.47; Dec. 22, 153.74.

1420. City of Galena Park well 2. At city waterworks in Galena Park, lat.  $29^{\circ}44'$ , long.  $95^{\circ}13'$ . Records available: 1942-49. Feb. 3, 217.94; June 7, 225.79; Sept. 13, 224.10.

1421. Tennessee Coal & Iron Railroad Co. well 2. U. S. Steel. At Clinton docks, 6.5 miles southeast of Houston courthouse, lat.  $29^{\circ}43'$ , long.  $95^{\circ}15'$ . Records available: 1943-44, 1946-49. Feb. 3, 199.07; June 7, 200.09; Sept. 13, 202.40.

1422. Mission Manufacturing Co. well 1. About 50 feet west of well 1398, lat.  $29^{\circ}48'$ , long.  $95^{\circ}20'$ . Records available: 1943-49. June 8, 145.18; Sept. 14, 149.20; Dec. 15, 145.51.

1423. Clarence Nelson. 13 miles southeast of Houston courthouse, lat.  $29^{\circ}36'$ , long.  $95^{\circ}14'$ . Records available: 1946-49. Sept. 20, 169.96.

1424. Harris County Water Control & Improvement District 3, well 3. At Alba & Sue Barnett Streets, in Garden Oaks subdivision, lat.  $29^{\circ}49'$ , long.  $95^{\circ}25'$ . Records available: 1946-49. Feb. 7, 132.75; Sept. 15, 142.22; Dec. 15, 140.47.

1500. Texas-Gulf Production Co. 8 miles west of Humble, lat.  $29^{\circ}58'$ , long.  $95^{\circ}24'$ . Records available: 1943-49. June 15, 59.52; Sept. 23, 63.90; Dec. 20, 57.61.

1501. A. T. McDannald. 4.75 miles south of Humble, lat.  $29^{\circ}55'$ , long.  $95^{\circ}14'$ . Records available: 1943-49. Feb. 11, 40.26; June 10, 39.60; Sept. 29, 41.53; Dec. 23, 40.32.

1502. Jack Frazier Drilling Co. 7.75 miles south of Humble, lat.  $29^{\circ}52'$ , long.  $95^{\circ}16'$ . Records available: 1943-44, 1946-49. Feb. 11, 97.94; June 10, 108.63; Sept. 23, 112.24; Dec. 20, 112.25.

1503. R. R. Michel test hole O-1. 1.5 miles southwest of Tomball, lat.  $30^{\circ}05'$ , long.  $95^{\circ}37'$ . Records available: 1940-44, 1946-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	32.90	Apr. 25	33.45	July 25	33.83	Nov. 25	34.66
Feb. 14	32.82	May 24	33.57	Aug. 25	34.08	Dec. 19	34.56
24	33.02	June 15	33.59	Sept. 26	34.29	21	34.28
Mar. 24	33.10	27	33.73	Oct. 24	34.41		

1504. Bogs Estate test hole N-1. 1 mile north of Hufsmith, lat. 30°07', long. 95°35'. Records available: 1940-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	25.09	Apr. 25	23.70	July 25	23.79	Oct. 24	24.12
Feb. 14	25.14	May 24	23.24	Aug. 25	24.09	Nov. 25	23.91
24	25.14	June 15	23.34	Sept. 26	24.43	Dec. 19	23.91
Mar. 24	24.55	27	23.50	28	24.45	21	23.78

1505. Wm. Tautenhahn test hole U-1. 0.25 mile north of Westfield, lat. 30°01', long. 95°24'. Records available: 1940-49.

Jan. 26	19.06	Apr. 25	16.91	July 25	18.43	Oct. 24	17.85
Feb. 14	19.16	May 24	17.43	Aug. 25	19.00	Nov. 25	18.22
24	18.49	June 13	17.80	Sept. 26	19.35	Dec. 21	15.78
Mar. 24	18.05	27	18.18				

1506. Sinclair-Prairie Oil Co. 3.5 miles northeast of Fairbanks, lat. 29°53', long. 95°30'. Records available: 1943-49. June 15, 73.46; Sept. 28, 80.30; Dec. 19, 76.60.

1507. Stanolind Oil & Gas Co. 3.75 miles northeast of Fairbanks, lat. 29°53', long. 95°29'. Records available: 1944-49. Feb. 15, 76.10; June 14, 75.49; Sept. 28, 82.39; Dec. 19, 78.78.

### Hays County

106. Henry Armsbruster. 1.25 miles northwest of Buda, lat. 30°06', long. 97°50'. Records available: 1937, 1940-48. Measurement discontinued.

110. M. O. Rogers. 7 miles west of Buda, lat. 30°07', long. 97°58'. Records available: 1937, 1940-46, 1948-49. Feb. 10, 29.5; Aug. 24, 54.55; Nov. 30, 56.12.

113. Otto Schwartz. 3.25 miles west of Buda, lat. 30°05', long. 97°53'. Records available: 1937, 1943-45, 1948. Measurement discontinued.

126. F. W. Zimmerman. 9.75 miles west of Buda, lat. 30°04', long. 97°59'. Records available: 1937, 1940-46, 1948-49. Feb. 10, 95.48; Apr. 20, 93.36; Aug. 23, 94.62; Nov. 30, 95.02.

234a. N. E. Hughes. 0.25 mile northwest of Wimberly, lat. 29°54', long. 98°05'. Records available: 1940-46, 1948-49. Feb. 8, 16.74; Apr. 18, 15.91; Aug. 23, 17.83; Nov. 30, 17.87.

349. E. Brooks. 1.75 miles northwest of San Marcos, lat. 29°53', long. 97°57'. Records available: 1937, 1940-49. Feb. 8, 164.48; Apr. 18, 163.15; Aug. 25, 163.04.

504. Glynn C. Key. On U. S. Highway 290, 2.3 miles west of Hays-Travis County line, lat. 30°11', long. 98°00'. Records available: 1937-46, 1948-49. Feb. 8, 37.74; Aug. 23, 37.60; Nov. 11, 37.92.

505. Glynn C. Key. On U. S. Highway 290, 2.3 miles west of Hays-Travis County line, lat. 30°11', long. 98°00'. Records available: 1937-46, 1948-49. Feb. 8, 72.97; Apr. 18, 72.12; Aug. 23, 70.52; Nov. 30, 73.45.

506. Dr. A. Garcia. 0.7 mile east of Dripping Springs, lat. 30°11', long. 98°04'. Records available: 1937-46, 1948-49. Feb. 8, 36.70; Apr. 18, 37.31; Aug. 23, 37.32; Nov. 30, 37.18.

507. Dr. A. Garcia. 0.7 mile east of Dripping Springs, lat. 30°11', long. 98°04'. Records available: 1937-46, 1948-49. Feb. 8, 64.76; Apr. 18, 61.56; Aug. 23, 63.45; Nov. 30, 62.90.

524. H. W. Hageman. 1.8 miles north of San Marcos, lat. 29°54', long. 97°55'. Records available: 1937-49. Feb. 8, 34.07; Apr. 20, 32.57; Aug. 23, 32.68; Nov. 8, 32.75.

528. F. N. Whaley. 4.75 miles north of San Marcos, lat. 29°55', long. 97°54'. Records available: 1937-49. Feb. 8, 97.38; Apr. 20, 95.70; Aug. 23, 96.02.

529. Nicholes Thiele. At south edge of Kyle, lat. 29°59', long. 97°52'. Records available: 1937-49. Apr. 20, 150.40; Aug. 24, 155.69; Nov. 10, 156.19.

534. J. J. Horton. In Buda, lat. 30°05', long. 97°50'. Records available: 1937-49. Feb. 10, 138.11; Apr. 22, 122.29; Aug. 23, 130.78.

535. Thomas Yoe. On U. S. Highway 81, 0.2 mile south of Hays-Travis County line, lat. 30°05', long. 97°48'. Records available: 1937-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	26.44	Apr. 23	26.10	July 24	25.90	Oct. 25	26.10
Feb. 27	26.00	May 21	25.78	Aug. 28	25.96	Nov. 25	26.22
Mar. 27	25.92	June 26	25.82	Sept. 23	26.09	Dec. 22	25.27

543. W. P. Donaldson. 2.6 miles southwest of San Marcos, lat. 29°51', long. 97°58'. Records available: 1937-49. Feb. 10, 10.98; Apr. 18, 11.70; Aug. 25, 73.53; Nov. 8, 9.04.

553. G. M. Jackson. 3 miles southwest of San Marcos, lat. 29°51', long. 97°58'. Records available: 1937-49. Feb. 10, 121.41; Apr. 18, 120.35; Aug. 25, 119.70; Nov. 7, 119.61.

586. W. A. Leath. 1 mile southeast of Wimberly, lat. 29°59', long. 98°05'. Records available: 1937-44, 1946, 1948-49. Apr. 18, 44.95; Aug. 23, 50.00; Nov. 30, 44.90.

590. Fred Boyett. 4.1 miles southwest of Wimberly, lat. 29°55', long. 98°08'. Records available: 1937-46, 1948-49. Feb. 8, 75.43; Apr. 19, 64.97; Aug. 23, 64.05; Nov. 30, 69.58.

591. Fred Boyett. 4.1 miles southwest of Wimberly, lat. 29°55', long. 98°08'. Records available: 1937-46, 1948-49. Feb. 8, 40.91; Apr. 19, 8.98; Aug. 23, 46.46; Nov. 30, 48.51.

614. J. D. McCall. 6.8 miles south of Dripping Springs, lat. 30°05', long. 98°05'. Records available: 1937-46, 1948-49. Aug. 23, 146.46; Nov. 30, 148.54.

615. Wiley Roberts. 4.6 miles south of Dripping Springs, lat. 30°07', long. 98°05'. Records available: 1937-46, 1948-49. Feb. 8, 85.00; Apr. 18, 84.89; Aug. 23, 85.05; Nov. 30, 85.11.

629. J. N. Byler. 6.5 miles north of Wimberly, lat. 30°01', long. 98°10'. Records available: 1937-46, 1948-49. Apr. 18, 231.05; Nov. 30, 233.70.

677. George Rust. 6.5 miles north of Wimberly, lat. 30°02', long. 98°10'. Records available: 1937-46, 1948-49. Feb. 8, 103.16; Apr. 18, 98.89; Aug. 23, 99.33; Nov. 30, 100.17.

677a. T. E. Hughes. 0.25 mile north of Wimberly, lat. 29°59', long. 98°05'. Records available: 1938-46, 1948-49. Feb. 8, 20.35; Apr. 18, 28.57; Aug. 23, 30.41; Nov. 30, 30.42.

678. J. N. Bryant. 6.5 miles north of Wimberly, lat. 30°02', long. 98°10'. Records available: 1937-46, 1948-49. Feb. 8, 276.53; Apr. 18, 276.29; Aug. 23, 276.43; Nov. 30, 276.61.

706. Jim Roberts. 0.9 mile north of Wimberly, lat. 30°00', long. 98°05'. Records available: 1937-46, 1948-49. Feb. 8, 80.63; Apr. 18, 6.34; Aug. 23, 82.55; Nov. 30, 72.73.

#### Hockley County

5. Santa Fe Railway Co. In Smyer, 12.5 miles east of Levelland, lat. 33°34', long. 102°09'. Records available: 1937-41, 1943-47. Measurement discontinued.

7. Mr. Pickard. South line of lab. 23, William Tubbs survey, 5.2 miles east of Levelland, lat. 33°35', long. 102°15'. Records available: 1937-40, 1944-48. No measurement made in 1949.

24. R. Y. Huguen. SW $\frac{1}{4}$  sec. 99, blk. A, R. M. Thomson survey, 19.5 miles northeast of Levelland, lat. 33°47', long. 102°08'. Records available: 1937-49. Mar. 8, 24.69.

25a. Walter Weige. NW $\frac{1}{4}$  sec. 98, blk. A, 19.5 miles northeast of Levelland, lat. 33°47', long. 102°09'. Used drilled irrigation well, depth 90 feet. Records available: 1947-49. Mar. 15, 1947, 24.45; Mar. 3, 1948, 25.18; Mar. 8, 1949, 26.38.

28. Dan Jackson and Paul Whitfield. NW corner SW $\frac{1}{4}$  sec. 106, blk. A, R. M. Thomson survey, 19 miles northeast of Levelland, lat. 33°47', long. 102°10'. Records available: 1937-49. Mar. 8, 35.71.

126. W. M. Alexander. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 89, blk. A, 18 miles northeast of Levelland, lat. 33°45', long. 102°08'. Records available: 1938-49. Mar. 8, 23.34.

247a. A. N. Riley. NW $\frac{1}{4}$  lab. 3, lge. 78, Reeves C. S. L., 11 miles northwest of Levelland, lat. 33°40', long. 102°31'. Records available: 1944-49. Mar. 9, 105.20.

263a. C. E. Roloff. SE corner NW $\frac{1}{4}$  lge. 731, S. C. L., 4.5 miles north of Levelland, lat. 33°39', long. 102°23'. Used drilled irrigation well. Records available: 1947-49. Mar. 14, 1947, 104.65; Mar. 1, 1948, 105.51; Mar. 9, 1949, 107.46.

403a. Albert Ellis. NW corner NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 111, blk. A, 19 miles northeast of Levelland, lat. 33°48', long. 102°11'. Used drilled irrigation well, diameter 16 inches, depth 107 feet. Records available: 1947-49. Mar. 15, 1947, 34.55; Mar. 3, 1948, 34.86; Mar. 8, 1949, 39.42.

429b. H. R. Johnston. SW corner NE $\frac{1}{4}$  sec. 52, blk. A, 17.5 miles northeast of Levelland, lat. 33°41', long. 102°06'. Used drilled irrigation well, diameter 14 inches, depth 190 feet. Records available: 1947-49. Mar. 15, 1947, 86.70; Mar. 3, 1948, 88.67; Mar. 9, 1949, 91.02.

434. C. E. Pendergrass. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 74, blk. A, 16.5 miles northeast of Levelland, lat. 33°44', long. 102°10'. Records available: 1938, 1944-49. Mar. 8, 135.01.

443a. Mr. Nicholson. SE $\frac{1}{4}$  sec. 87, blk. A, 20 miles northeast of Levelland, lat. 33°45', long. 102°06'. Used drilled irrigation well. Records available: 1944-45, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1944	71.00	Mar. 6, 1945	71.64	Mar. 3, 1948	75.86
Feb. 22	70.95	Mar. 17, 1947	76.22	Mar. 8, 1949	77.70

458. R. L. Burdette. NE corner NE $\frac{1}{4}$  sec. 102, blk. A, 23 miles northeast of Levelland, lat. 33°48', long. 102°05'. Used drilled irrigation well, diameter 16 inches, depth 150 feet. Records available: 1938, 1947-49. May 5, 1938, 82.66; Mar. 17, 1947, 80.98; Mar. 3, 1948, 83.11; Mar. 8, 1949, 85.93.

576. M. L. Goolsby. SW $\frac{1}{4}$ NW $\frac{1}{4}$  lbr. 2, lge. 29, Hood C. S. L., 1 mile south of Levelland, lat. 33°33', long. 102°21'. Records available: 1944, 1946-49. Mar. 9, 89.88.

587. I. N. Johnson. SE $\frac{1}{4}$ SE $\frac{1}{4}$  lbr. 13, lge. 733, S.C.L., 2 miles north of Levelland, lat. 33°37', long. 102°23'. Used drilled windmill well, depth 105 feet. Records available: 1939-42, 1944-45, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1939	92.70	Jan. 29, 1944	90.85	Mar. 5, 1947	93.30
Dec. 3, 1940	93.00	Mar. 5, 1945	90.63	Mar. 1, 1948	94.49
Oct. 29, 1941	91.17	Jan. 16, 1947	92.59	Mar. 9, 1949	95.87
July 29, 1942	90.90				

717. Panhandle & Santa Fe Railway Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  lbr. 6, lge. 2, 14.5 miles east of Levelland, lat. 33°34', long. 102°07'. Unused drilled well. Records available: 1939, 1945, 1948-49.

Mar. 14, 1939	103.92	Jan. 29, 1949	97.64	Aug. 1, 1949	97.50
July 22	103.18	Feb. 28	97.54	31	97.50
Aug. 22	103.15	Mar. 31	97.56	Sept. 30	97.42
Mar. 5, 1945	99.41	Apr. 29	97.56	Oct. 31	97.41
Mar. 1, 1948	98.03	May 31	97.51	Nov. 30	97.39
Nov. 30	97.72	June 30	97.44	Dec. 31	97.35
Dec. 29	97.67				

827a. Roy Dopson. Lab. 14, lge. 10, Donley C.S.L., 19.5 miles south-east of Levelland, lat. 33°25', long. 102°06'. Records available: 1944-46, 1948-49. Mar. 9, 96.96.

#### Jackson County

5. Jackson County. At Cordele school, 7.5 miles northeast of Morales, lat. 29°11', long. 96°38'. Records available: 1934-36, 1938-49. Mar. 22, 37.40.

6. N. J. Marthiljohni. 1 mile south of Morales, lat. 29°06', long. 96°44'. Records available: 1934-35, 1938-41, 1946-49. Mar. 22, 36.71.

7. D. W. Schropshire. 1.25 miles north of Navidad, lat. 29°04', long. 96°47'. Records available: 1934-36, 1938-49. Mar. 22, 43.21.

11a. Nellie Miller Estate. About 5 miles south of Morales, lat. 29°03', long. 96°45'. Records available: 1936, 1938-42, 1944-49. Mar. 22, 36.17.

14. Mrs. C. V. Watson. 2.3 miles north of Cordele, lat. 29°09', long. 96°37'. Records available: 1934-36, 1938-49. Mar. 22, 35.26.

56. A. H. Nagel. At Cordele, lat. 29°07', long. 96°37'. Records available: 1934-36, 1938-49. Mar. 22, 33.99.

57. S. G. Drushel. 2.5 miles south of Cordele, lat. 29°05', long. 96°37'. Records available: 1934-36, 1938-46, 1948-49. Mar. 22, 38.27.

64. Wm. Clifford. 3.5 miles west of Edna, lat. 28°58', long. 96°42'. Records available: 1934-36, 1938-45, 1947-49. Mar. 22, 48.14.

66. S. J. and E. F. Swenson. 5 miles northeast of Edna, lat. 29°02', long. 96°37'. Records available: 1934-36, 1938-49. Mar. 22, 36.92.

69. A. E. Westhoff. 2.5 miles northeast of Edna, lat. 29°01', long. 96°37'. Records available: 1934-36, 1938-49. Mar. 22, 35.98.

71. W. Rogers. 3.7 miles west of Edna, lat. 28°57', long. 98°42'. Records available: 1934-36, 1938-44, 1946-49. Mar. 22, 31.36.



78. Rose, Sample, Taylor, & Bagby. 2 miles east of Edna, lat. 28°59', long. 96°37'. Records available: 1934-35, 1938-49. Mar. 22, 30.54.

88. A. E. Westhoff. 6 miles southeast of Edna, lat. 28°53', long. 96°35'. Records available: 1909, 1934-36, 1938, 1942-49. Mar. 22, 27.43.

103. A. C. Wilbeck. 6 miles northwest of Ganado, lat. 29°04', long. 96°34'. Records available: 1934-36, 1938-47, 1949. Mar. 22, 36.73.

105. A. M. Robinson. 4 miles north of Ganado, lat. 29°06', long. 96°30'. Records available: 1934, 1942-47, 1949. Mar. 22, 35.24.

108a. Sugarland Fig Growers Association. In Ganado, lat. 29°02', long. 96°30'. Records available: 1934, 1936, 1938-49. Mar. 22, 29.16.

122. Eli Bell. 7.5 miles southeast of Ganado, lat. 28°56', long. 96°27'. Used drilled rice irrigation well, diameter 26 to 10 inches. Records available: 1934, 1942-47, 1949.

Date	Water level	Date	Water level	Date	Water level
July 18, 1934	24.20	Mar. 30, 1944	20.30	Mar. 25, 1947	20.03
Sept. 28, 1942	25.81	Apr. 24, 1945	22.37	Mar. 23, 1949	26.18
Apr. 15, 1943	22.30	Apr. 16, 1946	23.06		

229. W. A. Utzman. 3 miles north of Vanderbilt, lat. 28°51', long. 96°38'. Records available: 1934-36, 1938-49. Mar. 22, 38.54.

230. Royal Dedman. 5.5 miles northeast of Vanderbilt, lat. 28°53', long. 96°34'. Records available: 1934-36, 1938-49. Mar. 22, 37.83.

304. O. B. Fenner. 6 miles northeast of Morales, lat. 29°11', long. 96°41'. Records available: 1942-43, 1947, 1949. Mar. 22, 45.04.

305. O. B. Fenner. 5.5 miles northeast of Morales, lat. 29°11', long. 96°41'. Records available: 1942, 1947, 1949. Mar. 22, 46.30.

313. G. A. Harrison. 4 miles northeast of Edna, lat. 29°00', long. 96°35'. Records available: 1942-49. Mar. 22, 35.84.

318. George Carstien. 5 miles north of Ganado, lat. 29°07', long. 96°30'. Records available: 1942-47, 1949. Mar. 22, 33.33.

322. Mrs. B. W. Martin. 2 miles northwest of Ganado, lat. 29°04', long. 96°31'. Records available: 1940-47. Measurements discontinued.

337. Rose & Sample. 9 miles southeast of Ganado, lat. 28°56', long. 96°25'. Records available: 1942-47, 1949. Mar. 23, 27.96.

357. A. V. Raplee. 10 miles south of Francitas, lat. 28°43', long. 96°22'. Records available: 1942-49. Mar. 23, 18.54.

#### Jim Wells County

193. M. Morales. 8.5 miles northwest of Ben Bolt, lat. 27°38', long. 98°13'. Records available: 1933, 1935-41, 1943, 1945, 1946-49. Feb. 17, 27.54.

206. Emilio Barrera. 6.5 miles west of El Par, lat. 27°36', long. 98°12'. Records available: 1933, 1935-41, 1943, 1945, 1947-49. Feb. 17, 57.01.

207. Roman Saenz. 6 miles west of El Par, lat. 27°35', long. 98°11'. Records available: 1933, 1935-41, 1943, 1945, 1947-49. Feb. 17, 77.61.

221. Feliz Perez Cadena. 6 miles northwest of Wadoto, lat. 27°34', long. 98°11'. Records available: 1933, 1935-41, 1943, 1945, 1947-49. Feb. 17, 52.50.

222. Manuel Cadena. 6 miles northwest of Wadoto, lat. 27°34', long. 98°11'. Records available: 1933, 1935-41, 1943, 1945, 1947-49. Feb. 17, 51.00.

242. Hormigas. King Estate. 6.5 miles south of Ben Bolt, lat. 27°33', long. 98°05'. Land-surface datum is 158.1 feet above mean sea level. Records available: 1933, 1943-49.

Date	Water level	Date	Water level	Date	Water level
Feb. 17	96.14	July 20	96.64	Nov. 17	97.90
Apr. 25	96.06	Oct. 6	97.80		

252. Cerapio Hinojosa. 6.5 miles northwest of Ella, lat. 27°26', long. 98°13'. Records available: 1933, 1935-41, 1943, 1945, 1947-49. Feb. 19, 56.96.

253. San Juan Hinojosa. 6.5 miles southwest of Ella, lat. 27°26', long. 98°13'. Records available: 1933, 1935-41, 1943, 1945, 1947-49. Feb. 19, 58.35.

269. R. P. Wynne. 4 miles north of Premont, lat. 27°25', long. 98°07'. Records available: 1933, 1943-49. Feb. 19, 84.70.

272. Miguel de los Santos. 6.5 miles northwest of Premont, lat. 27°23', long. 98°13'. Records available: 1933, 1945, 1947-49. Feb. 19, 85.76.

272a. Fidencio de los Santos. 6 miles northwest of Premont, lat. 27°23', long. 98°13'. Used drilled domestic and stock well, diameter 4 inches, depth 286 feet. Records available: 1947-49. Feb. 15, 1947, 78.91; Feb. 10, 1948, 82.24; Feb. 19, 1949, 88.71.

292. W. A. Cobb. 0.75 mile north of Premont, lat. 27°21', long. 98°07'. Unused drilled well, diameter 10 inches, depth 524 feet. Records available: 1933, 1943, 1945, 1949. Jan. 27, 1933, 42.00; Sept. 22, 1943, 69.01; Mar. 14, 1945, 73.88; Feb. 19, 1949, 92.83.

292a. Storm Nursery. 0.9 mile north of Premont, lat. 27°22', long. 98°07'. Used drilled well. Records available: 1947-49. Feb. 19, 1947, 86.02; Feb. 10, 1948, 90.91; Feb. 19, 1949, 92.67.

307. A. R. Clarke. 5.75 miles west of Premont, lat. 27°20', long. 98°13'. Records available: 1932, 1943, 1945, 1947-49. Feb. 19, 75.51.

316. C. T. Hewitt. 2.75 miles west of Premont, lat. 27°21', long. 98°08'. Records available: 1933, 1943-45, 1947-48. No measurement made in 1949.

329. Texas & New Orleans Railroad Co. 0.5 mile south of Premont, lat. 27°21', long. 98°07'. Records available: 1932, 1943-49. Feb. 19, 94.88.

330. L. H. Franz. 1.25 miles south of Premont, lat. 27°20', long. 98°07'. Used drilled domestic and stock well, diameter 12 inches, depth 540 feet. Records available: 1933, 1943, 1947, 1949. July 31, 1933, 41.50; Nov. 19, 1945, 62.33; Feb. 17, 1947, 82.63; Feb. 19, 1949, 90.11.

346. Charlie Premont. 6 miles southwest of Premont, lat. 27°18', long. 98°11'. Records available: 1932, 1943-45, 1947-49. Feb. 19, 65.82.

357. Nelson English. 1.75 miles south of Premont, lat. 27°20', long. 98°07'. Records available: 1932, 1943-45, 1947-49. Feb. 19, 85.22.

359. E. J. Corrigan. 3.25 miles south of Premont, lat. 27°18', long. 98°07'. Records available: 1928, 1932, 1943-45, 1947-49. Feb. 19, 79.49.

374. E. G. Maun. 4.5 miles northwest of Falfurrias, lat. 27°15', long. 98°12'. Records available: 1932-33, 1935, 1937-38, 1943-49. Feb. 19, 61.91.

377. Dale Maun. 7 miles southwest of Premont, lat. 27°15', long. 98°10'. Records available: 1932, 1939-41, 1943-48. Measurement discontinued.

377a. Dale Maun. About 30 feet south of well 377 and 3 miles southwest of La Gloria, lat. 27°15', long. 98°10'. Used drilled domestic and stock well, diameter 6 inches. Records available: 1947-49. Feb. 15, 1947, 58.22; Feb. 9, 1948, 70.11; Feb. 18, 1949, 71.27.

382. J. H. Patzakowsky. 5 miles southwest of Premont, lat. 27°17', long. 98°09'. Records available: 1933, 1943, 1945, 1947-49. Feb. 19, 78.22.

392a. B. W. Voght. In La Gloria, lat. 27°17', long. 98°07'. Used drilled well, diameter unknown, depth 600+ feet. Records available: 1947-49. Feb. 17, 1947, 76.53; Feb. 18, 1947, 76.89; Feb. 10, 1948, 91.22; Feb. 19, 1949, 90.96.

397. John Minton. 5 miles southeast of Premont, lat. 27°17', long. 98°05'. Records available: 1933, 1943-49. Feb. 19, 36.67.

399. O. M. Boone. 5.25 miles south of Premont, lat. 27°16', long. 98°07'. Records available: 1932, 1943-49. Feb. 19, 86.91.

429. Clyde Wright. 1.75 miles southeast of Premont, lat. 27°20', long. 98°06'. Records available: 1943, 1945-49. Feb. 19, 83.34.

431. J. R. Friesen. 1.5 miles southeast of Premont, lat. 27°20', long. 98°06'. Records available: 1943, 1945-49. Feb. 19, 88.96.

#### Kinney County

KK-1. Ethel Whitaker. 2 miles west of Cline, lat. 29°13', long. 100°06'. Records available: 1937-49. Jan. 8, 78.28; Apr. 14, 68.94; Aug. 29, 64.95; Dec. 20, 66.17.

KK-5. Judge John Fritter. 6 miles east of Brackettville, lat. 29°16', long. 100°19'. Records available: 1937-49. Jan. 8, 36.13; Apr. 14, 24.92; Aug. 28, 26.13; Dec. 20, 28.40.

KK-6. Dr. B. F. Orr. 3 miles east of Brackettville, lat. 29°17', long. 100°22'. Records available: 1937-43, 1947. Measurement discontinued.

KK-9. C. J. Poehler. 3.75 miles west of Brackettville, lat. 29°18', long. 100°27'. Records available: 1937-49. Jan. 9, 40.87; Aug. 27, 35.29; Dec. 20, 34.41.

KK-11. J. F. Beidler. 7 miles west of Brackettville, lat. 29°19', long. 100°32'. Records available: 1937-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 8	27.36	Apr. 14	26.27	Dec. 20	26.11
Mar. 8	26.27	Aug. 27	26.67		

KK-12. J. F. Beidler. 12.5 miles west of Brackettville, lat. 29°21', long. 100°37'. Records available: 1937-49. Mar. 8, 15.75; Apr. 14, 14.11; Aug. 27, 13.57; Dec. 20, 11.41.

KK-13. Howard Roberts. 17.5 miles west of Brackettville, lat. 29°23', long. 100°41'. Records available: 1937-49. Mar. 8, 57.42; Apr. 14, 57.31; Aug. 27, 58.88; Dec. 20, 62.67.

XK-17. Jimmy Lowrance. 1 mile west of Brackettville, lat. 29°19', long. 100°25'. Records available: 1937-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 9	50.44	Apr. 14	49.70	Dec. 20	50.01
Mar. 9	49.97	Aug. 27	49.67		

XK-114. E. Webb. 7.5 miles north of Brackettville, lat. 29°25', long. 100°25'. Records available: 1938-49.

Jan. 9	69.00	Apr. 14	62.02	Dec. 20	62.53
Mar. 8	63.10	Aug. 28	62.93		

XK-116. J. D. Harwood. 10 miles north of Brackettville, lat. 29°27', long. 100°25'. Records available: 1938-49.

Jan. 9	139.37	Apr. 15	98.32	Dec. 20	112.86
Mar. 9	94.27	Aug. 28	100.82		

XK-170. Nolan & Postell. 13 miles northeast of Brackettville, lat. 29°25', long. 100°15'. Records available: 1940-42, 1946-49. Jan. 9, 196.00; Apr. 14, 187.00; Aug. 28, 182.25; Dec. 20, 189.22.

XK-180. N. P. Petersen. 1 mile south of Laguna-Brackettville road, 9.95 miles by road northeast of Brackettville post office, lat. 29°23', long. 100°16'. Records available: 1938-43, 1946-48. No measurement made in 1949.

XK-187. Mrs. G. A. Harrison. 10 miles west of Uvalde County line, lat. 29°16', long. 100°16'. Records available: 1938-47, 1949. Dec. 20, 78.24.

XK-198. Charley Zinsmeister. 5 miles west of Brackettville, lat. 29°19', long. 100°29'. Records available: 1938-49.

Jan. 9	45.15	Apr. 14	38.15	Dec. 20	38.06
Mar. 9	43.41	Aug. 27	38.83		

XK-199. E. Webb. 1 mile north of Brackettville post office, lat. 29°19', long. 100°24'. Records available: 1939-49.

Jan. 9	42.05	Apr. 14	35.14	Dec. 20	36.10
Mar. 8	38.80	Aug. 27	35.50		

#### Kleberg County

8. Cola Blanco (owner's name for well). King Estate. 6 miles northeast of Santa Gertrudis ranch headquarters, lat. 27°36', long. 97°53'. Records available: 1932, 1934-35, 1943, 1945-49. Feb. 16, 105.60.

9. Protero (owner's name for well). King Estate. 3.25 miles northeast of Santa Gertrudis ranch headquarters, lat. 27°33', long. 97°54'. Records available: 1932, 1934-35, 1943, 1945-47, 1949. Feb. 16, 112.54.

13. Tamales (owner's name for well). King Estate. 8 miles northwest of Santa Gertrudis ranch headquarters, lat. 27°32', long. 98°02'. Records available: 1932-35, 1938-41, 1943-49.

Jan. 25	94.87	July 20	95.93	Nov. 17	97.36
Feb. 17	94.44	Oct. 6	97.20		

15. Puertos (owner's name for well). King Estate. 5 miles northwest of Santa Gertrudis ranch headquarters, lat. 27°32', long. 97°59'. Records available: 1932-35, 1938-41, 1943-49.

Feb. 17	100.08	July 20	99.90	Nov. 17	101.30
Apr. 25	98.86	Oct. 6	101.20		

23. Caldero (owner's name for well). King Estate. 2.25 miles southwest of Santa Gertrudis ranch headquarters, lat. 27°30', long. 97°57'. Records available: 1932-35, 1938-41, 1943-44, 1946-49. Feb. 17, 108.82.

31. Liberty (owner's name for well). King Estate. 2 miles southeast of Santa Gertrudis ranch headquarters, lat. 27°29', long. 97°55'. Records available: 1932-34, 1938-41, 1943-47, 1949. Feb. 17, 93.07.

35. Silo (owner's name for well). King Estate. 1.5 miles southeast of Santa Gertrudis ranch headquarters, lat. 27°29', long. 97°54'. Records available: 1932-35, 1938-41, 1943-47, 1949. Feb. 17, 97.92.

64. Rincon Caesar (owner's name for well). King Estate. 18 miles southeast of Santa Gertrudis ranch headquarters, lat. 27°15', long. 97°51'. Records available: 1932-35, 1938-41, 1943-49. Feb. 17, 13.11.

93. City of Kingsville. In Kingsville, lat. 27°31', long. 97°52'. Used drilled public supply well, diameter 6 inches, depth 810 feet. Records available: 1932-35, 1944-45, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Oct. 1932	47.5	Mar. 19, 1935	55.80	Feb. 21, 1947	133.85
Dec. 1933	40.6	Mar. 7, 1944	89.70	Feb. 11, 1948	125.14
Feb. 1934	39.7	Mar. 16, 1945	95.77	Feb. 19, 1949	129.14
Nov. 17	46.36				

188. J. R. Trussell. 3.5 miles south of Kingsville, lat. 27°27', long. 97°51'. Records available: 1932-35, 1938-41, 1943-49. Feb. 17, 78.82.

190. L. E. Flato and others. 4.5 miles south of Kingsville, lat. 27°27', long. 97°51'. Records available: 1932-35, 1938-41, 1943-45, 1947-49. Feb. 17, 60.19.

282. Pete Christensen. 3 miles north of Riviera, lat. 27°20', long. 97°49'. Records available: 1933-34, 1938-40, 1943-45, 1947-49. Records available: 1933-34, 1938-40, 1943-45, 1947-49. Feb. 17, 37.84.

372. Caesar Pens (owner's name for well). King Estate. 3 miles northeast of Kingsville, lat. 27°33', long. 97°50'. Records available: 1932, 1934-35, 1943, 1945-49. Nov. 15, 1934, 22.16; Mar. 19, 1935, 20.95; Feb. 17, 1949, 108.92.

374. Palo Marcado (owner's name for well). King Estate. 15 miles west of Laureles ranch headquarters, lat. 27°31', long. 97°45'. Records available: 1933-34, 1943-49. Nov. 10, 1934, 25.62; Feb. 16, 1949, 83.76.

375. Noria Honda (owner's name for well). King Estate. 12 miles west of Laureles ranch headquarters, lat. 27°31', long. 97°42'. Records available: 1933-35, 1938, 1940-41, 1943-49. Feb. 16, 41.07.

376. Leoncitas (owner's name for well). King Estate. 15 miles southwest of Laureles ranch headquarters, lat. 27°29', long. 97°45'. Used drilled domestic and stock well, diameter 6 5/8 inches, depth 1,050 feet. Records available: 1933-34, 1943-47, 1949.

Jan. 12, 1933	19.0	Mar. 1944	42.77	Feb. 20, 1947	67.42
Nov. 11, 1934	19.24	Mar. 16, 1945	49.21	Feb. 16, 1949	75.21
Nov. 13, 1943	42.78	Mar. 15, 1946	61.97		

377. Mesquite (owner's name for well). King Estate. 14 miles southwest of Laureles ranch headquarters, lat. 27°29', long. 97°43'. Used drilled stock well, diameter 7 inches, depth not available. Records available: 1933-34, 1943-44, 1946-47, 1949.

Jan. 13, 1933	19.0	Mar. 6, 1944	29.21	Feb. 20, 1947	46.38
Nov. 11, 1934	16.82	Mar. 15, 1946	39.24	Feb. 16, 1949	52.38
Nov. 14, 1943	27.23				

380. Telephone 1. King Estate. 13 miles southwest of Laureles ranch headquarters, lat.  $27^{\circ}28'$ , long.  $97^{\circ}41'$ . Records available: 1933-34, 1938, 1940-41, 1943-47, 1949. Feb. 16, 38.38.

384. Aljibes (owner's name for well). King Estate. 7 miles west of Laureles ranch headquarters, lat.  $27^{\circ}31'$ , long.  $97^{\circ}37'$ . Records available: 1933-34, 1938-40, 1941, 1943, 1945-49. Feb. 16, 18.34.

385. Palacios (owner's name for well). King Estate. 8 miles west of Laureles ranch headquarters, lat.  $27^{\circ}32'$ , long.  $97^{\circ}38'$ . Records available: 1933-35, 1938, 1940-41, 1943-45, 1947, 1949. Feb. 16, 28.31.

386. Chilitipin (owner's name for well). King Estate. 5 miles west of Laureles ranch headquarters, lat.  $27^{\circ}32'$ , long.  $97^{\circ}35'$ . Records available: 1943-45, 1947-49. Feb. 16, 24.04.

#### Lamb County

1. H. H. Engleking. NW. corner  $SE\frac{1}{4}$  sec. 14, blk. W, 12.5 miles northwest of Earth, lat.  $34^{\circ}18'$ , long.  $102^{\circ}36'$ . Records available: 1936-47, 1949. Mar. 11, 68.90.

3a. J. P. Crawford. NW. corner  $SW\frac{1}{4}$  sec. 30, blk. W, 11.5 miles west of Earth, lat.  $34^{\circ}16'$ , long.  $102^{\circ}36'$ . Records available: 1934, 1936-49. Mar. 11, 33.85.

6. Albert Lavigne. NW. corner  $SW\frac{1}{4}$  sec. 35, blk. W, 12 miles west of Earth, lat.  $34^{\circ}15'$ , long.  $102^{\circ}36'$ . Records available: 1937-45, 1947-49. Mar. 11, 27.67.

7. Lillie Bickle. NW $\frac{1}{4}$  $SW\frac{1}{4}$  sec. 46, blk. W, 12 miles west of Earth, lat.  $34^{\circ}14'$ , long.  $102^{\circ}36'$ . Records available: 1934, 1936-44, 1946-47, 1949. Mar. 11, 21.44.

8. J. L. Withrow. NW. corner  $NE\frac{1}{4}$  sec. 51, blk. W, 12 miles west of Earth, lat.  $34^{\circ}14'$ , long.  $102^{\circ}36'$ . Records available: 1936-49. Mar. 11, 21.05.

13. John Fryie. NW. corner  $NW\frac{1}{4}$  sec. 45, blk. W, 11 miles west of Earth, lat.  $34^{\circ}15'$ , long.  $102^{\circ}35'$ . Records available: 1934, 1936-49. Mar. 11, 26.69.

16. E. K. Brown. NW. corner  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 30, blk. W, 11.5 miles west of Earth, lat.  $34^{\circ}16'$ , long.  $102^{\circ}35'$ . Records available: 1936-49. Mar. 11, 40.30.

19. John Allen. NW. corner  $SE\frac{1}{4}$  sec. 36, blk. W, 10.5 miles west of Earth, lat.  $34^{\circ}15'$ , long.  $102^{\circ}35'$ . Records available: 1913, 1936-45, 1947-49. Mar. 11, 26.25.

30. J. M. Young.  $NE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$  sec. 38, blk. W, 8.5 miles west of Earth, lat.  $34^{\circ}15'$ , long.  $102^{\circ}32'$ . Records available: 1936-49. Mar. 11, 26.65.

38. Andrew Dutton. Formerly owned by Zeb Smith.  $SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$  sec. 57, blk. 2, 5.5 miles northwest of Earth, lat.  $34^{\circ}15'$ , long.  $102^{\circ}29'$ . Records available: 1936-38, 1943-49. Mar. 11, 41.38.

46b. Gus Parish.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 78, blk. 2, W.E.H. subdivision, 0.2 mile southwest of center of Earth, lat.  $34^{\circ}13'$ , long.  $102^{\circ}24'$ . Records available: 1946-49. Mar. 11, 39.78.

50b. Bruce Higgins.  $NE\frac{1}{4}SE\frac{1}{4}$  sec. 81, blk. 2, 2.7 miles southeast of Earth, lat.  $34^{\circ}12'$ , long.  $102^{\circ}22'$ . Used drilled irrigation well, diameter unknown, depth 150 feet. Records available: 1942-49.

Date	Water level	Date	Water level	Date	Water level
Aug. 14, 1942	48.18	Feb. 8, 1944	44.72	Mar. 13, 1947	46.08
Nov. 12	44.63	Feb. 22, 1945	45.08	Feb. 19, 1948	46.43
Feb. 23, 1943	43.65	Mar. 1, 1946	46.54	Mar. 11, 1949	48.95

54. R. G. Wilson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 39, blk. 1, Halsell subdivision, 6 miles northeast of Earh, lat. 34°18', long. 102°21'. Used drilled irrigation well, diameter 15.5 inches, depth 225 feet. Records available: 1937-38, 1942-49.

Date	Water level	Date	Water level	Date	Water level
Apr. 1, 1937	87.42	Feb. 7, 1944	86.30	Mar. 13, 1947	89.14
June 13, 1938	88.94	Feb. 22, 1945	87.27	Feb. 19, 1948	90.45
Nov. 10, 1942	88.93	Mar. 2, 1946	88.43	Mar. 11, 1949	92.76
Feb. 23, 1943	86.08				

56. N. F. Cleavinger. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 53, blk. 1, 6 miles northeast of Earh, lat. 34°16', long. 102°19'. Records available: 1940, 1942-45, 1947-49. Mar. 11, 102.73.

57. E. M. Gettys. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 59, blk. 1, W.E.H. survey, 5 miles northeast of Earh, lat. 34°15', long. 102°19'. Records available: 1942-49. Mar. 11, 92.18.

57d. E. M. Gettys. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 59, blk. 1, 5 miles east of Earh, lat. 34°14', long. 102°19'. Used drilled irrigation well, diameter 15 inches, depth 230 feet. Records available: 1942-49.

Aug. 13, 1942	93.95	Feb. 7, 1944	88.93	Mar. 13, 1947	93.24
Nov. 10	89.22	Feb. 22, 1945	88.90	Feb. 19, 1948	92.86
Feb. 23, 1943	88.42	Mar. 2, 1946	90.54	Mar. 11, 1949	94.30

60. S. A. Davis. NW corner SE $\frac{1}{4}$  sec. 69, blk. 1, 5.5 miles east of Earh, lat. 34°14', long. 102°18'. Records available: 1937-49. Mar. 11, 74.56.

62f. Robertson Bros. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, blk. A, 4.5 miles northwest of Olton, lat. 34°14', long. 102°09'. Used drilled irrigation well, diameter 14 inches, depth 232 feet. Records available: 1942-45, 1947-49.

Nov. 9, 1942	93.52	Feb. 23, 1945	93.67	Feb. 19, 1948	98.53
Feb. 23, 1943	93.50	Mar. 18, 1947	93.37	Mar. 11, 1949	101.20
Feb. 1, 1944	93.78				

62h. F. W. Dodson. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, blk. A, 3.5 miles northwest of Olton, lat. 34°12', long. 102°11'. Used drilled irrigation well, diameter not available, depth, 185 feet. Records available: 1942-49.

Nov. 9, 1942	82.22	Feb. 23, 1945	81.88	Feb. 19, 1948	86.06
Feb. 23, 1943	81.92	Mar. 2, 1946	82.80	Mar. 11, 1949	89.33
Feb. 1, 1944	82.00	Mar. 18, 1947	83.88		

63b. H. B. Carson. SW corner SW $\frac{1}{4}$  sec. 4, blk. 4, 5 miles northeast of Olton, lat. 34°14', long. 102°05'. Used drilled irrigation well, diameter 16 inches, depth 240 feet. Records available: 1942-45, 1947-49.

Aug. 12, 1942	108.00	Feb. 1, 1944	91.15	Feb. 19, 1948	96.14
Nov. 9	90.90	Feb. 23, 1945	91.50	Mar. 11, 1949	99.19
Feb. 23, 1943	90.74	Mar. 18, 1947	94.22		

70a. I. V. Fent. NW corner NW $\frac{1}{4}$  sec. 6, blk. B, 5 miles south of Olton, lat. 34°06', long. 102°07'. Used drilled irrigation well. Records available: 1938, 1942-49.

June 14, 1938	64.15	Feb. 8, 1944	55.55	Mar. 18, 1947	58.83
Sept. 11, 1942	57.14	Feb. 23, 1945	55.42	Feb. 20, 1948	58.05
Nov. 12	56.57	Mar. 2, 1946	56.89	Mar. 14, 1949	61.82
Feb. 23, 1943	55.80				

71. A. S. Nafziger. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, blk. 02, 3 miles south of Olton, lat. 34°08', long. 102°07'. Used drilled irrigation well, diameter 16 to 14 inches, depth 170 feet. Records available: 1937, 1942-45, 1947-49.

## 71--Continued.

Date	Water level	Date	Water level	Date	Water level
May 28, 1937	62.18	Feb. 23, 1943	60.20	Mar. 18, 1947	61.79
Aug. 12, 1942	61.51	Feb. 8, 1944	59.58	Feb. 20, 1948	63.79
Nov. 12	60.93	Feb. 23, 1945	59.65	Mar. 14, 1949	65.97

76. F. E. Gladden. NW corner NE $\frac{1}{4}$  sec. 12, blk. TI, TAT survey, 6.5 miles west of Olton, lat. 34°11', long. 102°14'. Records available: 1937-39, 1941-44, 1946-49. Mar. 14, 73.98.

88. Halsell Cattle Co. SW $\frac{1}{4}$  lab. 20, lge. 238, 8.5 miles south of Earth, lat. 34°06', long. 102°25'. Records available: 1937-49. Mar. 14, 36.16.

231. Vincent Peterman. Center of NE $\frac{1}{4}$  lab. 16, lge. 218, 13.5 miles southwest of Earth, lat. 34°06', long. 102°35'. Records available: 1937-42, 1946-49. Mar. 14, 93.53.

236. L. D. Criswell. NW $\frac{1}{4}$ SE $\frac{1}{4}$  lab. 24, lge. 649, 6.5 miles northwest of Littlefield, lat. 33°59', long. 102°23'. Records available: 1937-38, 1940-48. No measurement made in 1949.

243. Les Barker. Center of lab. 5, lge. 664, 3 miles northwest of Littlefield, lat. 33°56', long. 102°21'. Records available: 1937-48. No measurement made in 1949.

307. Hubert Couch. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 125, blk. A, 9.5 miles southeast of Littlefield, lat. 33°49', long. 102°12'. Used drilled irrigation well, diameter 15 inches, depth 100 feet. Records available: 1937, 1947-49. May 5, 1937, 31.70; Mar. 15, 1947, 36.43; Feb. 20, 1948, 36.53; Mar. 14, 1949, 39.39.

322. Yellow House Land Co. NW corner lab. 16, lge. 671, 4.5 miles southeast of Littlefield, lat. 33°53', long. 102°16'. Records available: 1937-49. Mar. 14, 46.37.

341a. Yellow House Land Co. SE corner NW $\frac{1}{4}$ NE $\frac{1}{4}$  lab. 23, lge. 671, 5.5 miles southeast of Littlefield, lat. 33°52', long. 102°14'. Records available: 1938-49. Mar. 14, 45.80.

Liberty County

10. C. W. Dove. 3.25 miles southeast of Cleveland, lat. 30°19', long. 95°02'. Unused drilled well, diameter 4 inches, depth 304 feet. Records available: 1945, 1948-49. June 8, 1945, 6.25; Oct. 20, 1948, 9.50; Mar. 14, 1949, 7.35; Oct. 31, 1949, 6.09.

13. Corrigan Lumber Co. In Cleveland, lat. 30°20', long. 95°05'. Unused drilled well, diameter 6 inches, depth 200 feet. Records available: 1945, 1948-49. Jan. 26, 1945, 1948-49. Jan. 26, 1945, 28.40; Oct. 20, 1948, 26.58; Mar. 14, 1949, 25.55; Oct. 31, 1949, 23.22.

20. M. A. Ellis. 5.75 miles northeast of Cleveland, lat. 30°24', long. 95°00'. Used drilled irrigation well, diameter 18 inches, depth 226 feet, casing slotted opposite sands below 57 feet. Records available: 1943, 1948-49. June 16, 1943, 32; Oct. 21, 1948, 37.58; Mar. 15, 1949, 26.45; Nov. 3, 1949, 26.81.

24. J. W. Whatley. 7.25 miles northeast of Cleveland, lat. 30°22', long. 94°58'. Unused drilled well, diameter 8 inches, depth 52 feet. Records available: 1945, 1948-49. Apr. 5, 1945, 33.50; Oct. 20, 1948, 31.09; Mar. 15, 1949, 30.47; Nov. 3, 1949, 30.62.

28. Harvard Ranch. 10.75 miles southeast of Cleveland, lat. 30°13', long. 94°57'. Unused drilled well, diameter 4 inches, depth 204 feet. Records available: 1945, 1948-49. Jan. 25, 1945, 39.45; Oct. 20, 1948, 46.53; Mar. 17, 1949, 44.50; Oct. 31, 1949, 46.22.



60. C. Die. 4 miles west of Romayor, lat. 30°25', long. 94°54'. Used drilled domestic well, diameter 8 inches, depth 56 feet. Records available: 1945, 1948-49. Apr. 4, 1945, 47.85; Oct. 20, 1948, 47.61; Mar. 15, 1949, 48.80; Nov. 3, 1949, 48.00.

61. C. Die. 3.75 miles west of Romayor, lat. 30°25', long. 94°53'. Used drilled domestic well, diameter 4 inches, depth 140 feet, screen at 130-140 feet. Records available: 1945, 1948-49. Apr. 4, 1945, 49.50; Oct. 20, 1948, 55.64; Mar. 15, 1949, 53.88; Nov. 3, 1949, 53.52.

71. John Griffin. 4.5 miles east of Romayor, lat. 30°26', long. 94°45'. Used drilled domestic well, diameter 4 inches, depth 165 feet. Records available: 1945, 1948-49. Jan. 11, 1945, 41.50; Oct. 21, 1948, 42.50; Mar. 15, 1949, 41.66; Nov. 3, 1949, 41.58.

77. W. A. Conner. 6.5 miles northwest of Dayton, lat. 30°07', long. 94°55'. Used drilled irrigation well, diameter 20 inches, depth 742 feet, casing slotted opposite sands below 150 feet. Records available: 1945, 1948-49.

Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1945	48.33	Oct. 15, 1948	85.29	Oct. 31, 1949	76.10
Feb. 19, 1948	58.52	Mar. 14, 1949	62.69		

81. D. A. Reidland. 7 miles northwest of Dayton, lat. 30°06', long. 94°58'. Used drilled irrigation well, diameter 20 inches, depth 1,000 feet, casing slotted opposite sands below 120 feet. Records available: 1945, 1948-49. Apr. 19, 1945, 38.55; Oct. 15, 1948, 84.09; Mar. 17, 1949, 55.04.

85. E. J. Stoesser well 1. 7.75 miles west of Dayton, lat. 30°04', long. 95°00'. Used drilled irrigation well, diameter 24 inches, depth 808 feet, casing slotted opposite sands below 135 feet. Records available: 1944, 1948-49. Mar. 1944, 57; Feb. 19, 1948, 55.09; Mar. 17, 1949, 60.63; Oct. 31, 1949, 78.97.

88. Leo Moreau. 4 miles west of Dayton, lat. 30°02', long. 94°57'. Used drilled irrigation well, diameter 20 inches, depth 870 feet, casing slotted opposite sands below 240 feet. Records available: 1945, 1948-49.

Apr. 18, 1945	52.82	Oct. 15, 1948	90.89	Oct. 31, 1949	71.30
Feb. 19, 1948	58.90	Mar. 14, 1949	64.35		

98. Magnolia Pipe Line Co. 7.5 miles west of Dayton, lat. 30°02', long. 95°01'. Used drilled industrial well, diameter 4 inches, depth 540 feet. Records available: 1945, 1948-49.

Apr. 1945	27.1	Oct. 15, 1948	74.10	Oct. 31, 1949	72.46
Feb. 19, 1948	53.00	Mar. 14, 1949	57.80		

124. Peoples Lumber & Supply Co. In Dayton, lat. 30°02', long. 94°53'. Used drilled industrial well, diameter 4 inches, depth 685 feet, screen at 665-685 feet. Records available: 1945, 1948-49. Jan. 27, 1945, 59; Oct. 15, 1948, 73.10; Mar. 14, 1949, 62.40; Oct. 31, 1949, 72.33.

125. Humble Pipe Line Co. 2.25 miles south of Dayton, lat. 30°00', long. 94°53'. Unused drilled well, diameter 6 inches, depth 400 feet. Records available: 1945, 1948-49.

Jan. 27, 1945	49.46	Oct. 15, 1948	66.91	Oct. 31, 1949	67.49
Feb. 20, 1948	56.96	Mar. 14, 1949	61.03		

133. J. M. Trager. 3 miles east of Dayton, lat. 30°01', long. 94°50'. Used drilled domestic well, diameter 6 inches, depth 350 feet. Records available: 1945, 1948-49. June 15, 1945, 7.95; Oct. 18, 1948, 23.50; Mar. 17, 1949, 18.56; Oct. 31, 1949, 24.18.

141. Russ Mitchell Co. 3.75 miles north of Dayton, lat. 30°05', long. 94°54'. Unused drilled well, diameter 4 inches, depth 413 feet. Records available: 1936, 1948-49.

Feb. 19, 1936	50	Oct. 20, 1948	85.20	Oct. 31, 1949	78.85
1948	48.28	Mar. 14, 1949	61.68		

152. S. E. Viles. 7.75 miles north of Liberty, lat. 30°09', long. 94°43'. Unused drilled well, diameter 4 inches, depth 228 feet. Records available: 1945, 1948-49.

June 7, 1945	34.90	Oct. 21, 1948	40.52	Nov. 3, 1949	42.72
Feb. 20, 1948	36.81	Mar. 15, 1949	39.50		

173. Hamill and Smith. 9.5 miles northeast of Liberty, lat. 30°05', long. 94°38'. Used drilled oil-field well, diameter 5½ inches, depth 255 feet, screen at 228-255 feet. Records available: 1938, 1948-49.

1938	17	Oct. 19, 1948	38.00	Nov. 1, 1949	39.64
Feb. 20, 1948	24.55	Mar. 16, 1949	29.14		

178. City of Liberty. In Liberty, lat. 30°03', long. 94°47'. Unused drilled public-supply well, diameter 8 inches, depth 680 feet. Records available: 1944, 1948-49. Dec. 7, 1944, +7; Oct. 18, 1948, +0.68; Mar. 16, 1949, +2.12; Nov. 1, 1949, 2.12.

179. City of Liberty well 3. In Liberty, lat. 30°03', long. 94°47'. Used drilled public-supply well, diameter 13 inches, depth 565 feet, screen at 445-562 feet. Records available: 1943-44, 1948-49.

Date	Water level	Date	Water level	Date	Water level
Nov. 26, 1943	+0.58	Oct. 18, 1948	30.98	Nov. 1, 1949	32.13
Dec. 8, 1944	.15	Mar. 16, 1949	17.10		

182. City of Liberty. In Liberty, lat. 30°03', long. 94°47'. Unused drilled public-supply well, diameter 4 inches, depth 651 feet. Records available: 1944, 1948-49. Nov. 7, 1944, +8; Oct. 18, 1948, 8.75; Mar. 16, 1949, 6.17; Nov. 1, 1949, 10.59.

185. Layl Sandwich Shop. In Liberty, lat. 30°03', long. 94°47'. drilled well, diameter 4 inches, depth 119 feet, screen at 98-108 feet. Records available: 1944, 1948-49. Dec. 7, 1944, 17.60; Oct. 18, 1948, 21.68; Mar. 16, 1949, 15.12.

216. Devers Canal Co. 7.75 miles south of Liberty, lat. 29°56', long. 94°46'. Used drilled domestic well, diameter 3 inches, depth 176 feet, screen at 170-176 feet. Records available: 1944, 1948-49. Dec. 8, 1944, 3.60; Oct. 19, 1948, 6.85; Mar. 16, 1949, 4.20; Nov. 1, 1949, 4.28.

222. A. R. Milintz. 12.25 miles southeast of Liberty, lat. 29°58', long. 94°43'. Used drilled domestic and stock well, diameter 4 inches, depth 275 feet, screen at 261-273 feet. Records available: 1945, 1948-49. June 16, 1945, 10.73; Oct. 19, 1948, 15.52; Mar. 16, 1949, 14.34; Nov. 1, 1949, 17.40.

227. Texas Pipe Line Co. 3 miles south of Devers, lat. 29°59', long. 94°36'. Used drilled domestic and stock well, diameter 4 inches, depth 406 feet, screen at 384-404 feet. Records available: 1938, 1948-49.

1938	14	Oct. 19, 1948	30.43	Nov. 2, 1949	32.61
Feb. 20, 1948	19.43	Mar. 16, 1949	24.24		

229. V. D. Myers. 1 mile east of Devers, lat. 30°01', long. 94°34'. Used drilled domestic well, diameter 2½ inches, depth 99 feet, screen at 74-79 feet. Records available: 1945, 1948-49.

Jan. 23, 1945	8.80	Oct. 19, 1948	13.14	Nov. 2, 1949	9.07
Feb. 20, 1948	8.85	Mar. 17, 1949	9.16		

234. B. H. Willis Estate. 5.75 miles east of Devers, lat. 30°00', long. 94°30'. Unused drilled well, diameter 6 inches, depth 180 feet. Records available: 1945, 1948-49.

Jan. 17, 1945	13.10	Oct. 19, 1948	14.60	Nov. 2, 1949	14.32
Feb. 20, 1948	12.56	Mar. 16, 1949	14.14		

237. Sinclair Pipe Line Co. 5.25 miles east of Devers, lat. 30°01', long. 94°30'. Used drilled domestic well, diameter 8 inches, depth 492 feet, screen at 429-492 feet. Records available: 1945, 1948-49.

June 20, 1945	11.92	Oct. 19, 1948	16.95	Nov. 2, 1949	19.38
Feb. 20, 1948	13.00	Mar. 17, 1949	16.48		

### Lubbock County

3a. E. E. Winters. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 43, blk. P, 17.5 miles northwest of Lubbock, lat. 33°45', long. 102°03'. Records available: 1938-40, 1943-46, 1948-49. Feb. 25, 24.10.

35a. A. M. Becton. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 138, blk. C, 19.5 miles northeast of Lubbock, lat. 33°47', long. 101°36'. Used drilled irrigation well, diameter 14 inches, depth 365 feet. Records available: 1947-49. Mar. 6, 1947, 101.20; Feb. 23, 1948, 94.03; Feb. 22, 1949, 95.90.

37. Claude H. Dalton. Formerly owned by L. K. Fowler. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 149, blk. C, 17 miles northeast of Lubbock, lat. 33°46', long. 101°38'. Records available: 1937, 1939-49. Feb. 22, 77.52.

50a. L. D. Phillips. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, blk. D7, 12.5 miles northeast of Lubbock, lat. 33°42', long. 101°40'. Used drilled irrigation well, diameter 16 inches, depth 300 feet. Records available: 1947-49. Mar. 6, 1947, 73.50; Jan. 15, 1948, 76.27; Feb. 23, 1948, 76.48; Feb. 22, 1949, 78.65.

64a. W. O. Fortenberry. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 30, blk. D, 0.4 mile east of U. S. Highway 87, 10.5 miles north of Lubbock, lat. 33°44', long. 101°49'. Records available: 1937-49. Feb. 22, 91.33.

74a. J. S. George. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 37, blk. A, 1.5 miles west of U. S. Highway 85, 6.5 miles north of Lubbock, lat. 33°40', long. 101°51'. Records available: 1938-47, 1949. Feb. 24, 36.09.

75b. J. B. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, blk. A, 7.5 miles north of Lubbock, lat. 33°41', long. 101°51'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 7, 1947, 58.68; Mar. 21, 1948, 69.01; Mar. 7, 1949, 71.35.

77a. J. H. Felton. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 35, blk. A, 6 miles north of Lubbock, lat. 33°41', long. 101°50'. Records available: 1938, 1940, 1943-49. Feb. 24, 78.89.

81. J. E. Vickers. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 27, blk. A, 0.2 mile west of U. S. Highway 87, 5 miles north of Lubbock, lat. 33°39', long. 101°50'. Records available: 1936-49. Mar. 3, 45.42.

83. Billy Meyers. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, blk. A, 5.5 miles northwest of Lubbock, lat. 33°39', long. 101°52'. Used drilled irrigation well. Records available: 1947-49. Mar. 8, 1947, 45.40; Mar. 3, 1948, 45.48; Feb. 28, 1949, 48.85.

99. R. B. Gray. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, blk. P, 4 miles northwest of Shallowater, 16 miles northwest of Lubbock, lat. 33°43', long. 102°04'. Records available: 1937-38, 1940, 1942-49. Feb. 28, 33.39.

101. J. E. Armes. SW. corner sec. 38, blk. P, 15.5 miles northwest of Lubbock, lat. 33°41', long. 102°04'. Records available: 1937-43, 1945, 1947, 1949. Feb. 28, 69.50.

- 106a. Bob Crump. NE. corner NE $\frac{1}{4}$  sec. 28, blk. D5, 12 miles northwest of Lubbock, lat. 33°41', long. 102°00'. Used drilled irrigation well, diameter 16 inches, depth 127 feet. Records available: 1947-49. Mar. 8, 1947, 36.40; Mar. 3, 1948, 38.67; Feb. 25, 1949, 40.89.
107. B. G. Lokey. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, blk. D5, 11.5 miles northwest of Lubbock, lat. 33°41', long. 101°59'. Records available: 1937-49. Feb. 25, 49.33.
114. G. W. McCleary. SW. corner NW $\frac{1}{4}$  sec. 29, blk. JS, 8.5 miles northwest of Lubbock, lat. 33°38', long. 101°58'. Used drilled irrigation well, depth 110 feet. Records available: 1947-49. Mar. 8, 1947, 58.98; Feb. 24, 1948, 60.93; Mar. 8, 1949, 63.30.
- 114a. G. W. McCleary. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, blk. JS, 9 miles northwest of Lubbock, lat. 33°38', long. 101°58'. Used drilled irrigation well, diameter unknown, depth 121 feet. Records available: 1947-49. Mar. 8, 1947, 56.36; Feb. 24, 1948, 58.31; Feb. 28, 1949, 61.15.
- 114b. G. W. McCleary. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, blk. JS, 8.5 miles northwest of Lubbock, lat. 33°38', long. 101°58'. Used drilled irrigation well, diameter 16 inches, depth 140 feet. Records available: 1947-49. Mar. 8, 1947, 53.24; Feb. 24, 1948, 58.50; Feb. 28, 1949, 59.20.
118. T. C. James. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, blk. JS, 9 miles west of Lubbock, lat. 33°36', long. 101°59'. Records available: 1936-49. Feb. 28, 90.10.
- 119a. V. L. Cade. NW. corner SE $\frac{1}{4}$  sec. 2, blk. D6, 9 miles west of Lubbock, lat. 33°35', long. 101°59'. Used drilled irrigation well, diameter 16 inches, depth 213 feet. Records available: 1947-49. Mar. 8, 1947, 78.41; Mar. 1, 1948, 87.40; Feb. 28, 1949, 84.90.
121. Mr. Brown. SE $\frac{1}{4}$  sec. 1, blk. D6, 7.5 miles west of Lubbock, lat. 33°35', long. 101°58'. Records available: 1937-45, 1947-49. Feb. 28, 82.00.
123. R. C. Robbs. Formerly owned by Travis Tubbs. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. JS, 6 miles west of Lubbock, lat. 33°35', long. 101°57'. Records available: 1936-49. Feb. 28, 75.95.
128. Rufus Rush. West line of SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, blk. E2, 0.6 mile north of State Highway 290, 2.5 miles west of Lubbock, lat. 33°36', long. 101°54'. Records available: 1936-48. No measurement made in 1949.
132. J. W. Ross, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, blk. E2, 5 miles west of Lubbock, lat. 33°35', long. 101°55'. Used drilled irrigation well. Records available: 1947-49. Mar. 20, 1947, 46.69; Feb. 20, 1948, 48.25; Mar. 7, 1949, 52.33.
- 132a. J. W. Ross, Jr. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, blk. JS, 5 miles west of Lubbock, lat. 33°35', long. 101°55'. Used drilled irrigation well. Records available: 1947-49. Mar. 20, 1947, 47.34; Feb. 20, 1948, 43.56; Mar. 7, 1949, 52.37.
138. S. F. Faulkner. Formerly owned by Edith Collie. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. JS, 7 miles northwest of Lubbock, lat. 33°37', long. 101°57'. Records available: 1937-43, 1945-49. Mar. 8, 44.93.
139. J. W. Ellis. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, blk. JS, 7 miles northwest of Lubbock, lat. 33°38', long. 101°56'. Records available: 1937-49. Feb. 28, 29.33.
- 150a. M. C. Gibson. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, blk. A, between U. S. Highway 84 and Panhandle & Santa Fe Railway, 5.5 miles northwest of Lubbock, lat. 33°38', long. 101°55'. Records available: 1938-48. No measurement made in 1949.

151. R. C. Hopping. Formerly owned by Broadview School. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, blk. A, on south side of U. S. Highway 84 and 3 miles northwest of Lubbock, lat. 33°37', long. 101°54'. Records available: 1937-49. Feb. 28, 32.32.

154. John King. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 22, blk. A, 4 miles west of Lubbock, lat. 33°35', long. 101°54'. Records available: 1937-47, 1949. Mar. 7, 48.53.

156. J. M. Phillips. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, blk. A, 0.6 mile south of U. S. Highway 84, 3 miles northwest of Lubbock, lat. 33°36', long. 101°53'. Records available: 1936-49. Feb. 28, 58.62.

188. State Experiment Farm. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, blk. 0, 3 miles east of Lubbock, lat. 33°35', long. 101°47'. Records available: 1937-49. Mar. 3, 80.10.

216. Mr. Darby. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. RG, 8 miles east of Lubbock, lat. 33°36', long. 101°40'. Used drilled irrigation well, diameter unknown, depth 78 feet. Records available: 1937, 1944-49.

Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1937	52.28	Mar. 1, 1946	47.23	Feb. 19, 1948	50.68
Feb. 22, 1944	46.62	Mar. 19, 1947	47.90	Feb. 23, 1949	53.15
Feb. 26, 1945	46.90				

219. E. N. Harrison. NW corner sec. 5, blk. RG, 9.5 miles northeast of Lubbock, lat. 33°38', long. 101°41'. Records available: 1937-49. Feb. 23, 47.13.

222. R. T. Groves. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. RG, 1.2 miles south of U. S. Highway 62, 12 miles northeast of Lubbock, lat. 33°38', long. 101°39'. Records available: 1937-49. Feb. 24, 54.04.

223. W. C. Grimes. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, blk. PG, 12 miles northeast of Lubbock, lat. 33°37', long. 101°38'. Records available: 1937-49. Feb. 23, 42.61.

234a. R. A. Boyd. SW $\frac{1}{4}$  lbr. 12, lge. 4, San Augustine County School Land, 11.5 miles east of Lubbock, lat. 33°34', long. 101°38'. Used drilled irrigation well, diameter unknown, depth 160 feet. Records available: 1947-49. Mar. 11, 1947, 58.06; Mar. 10, 1948, 59.65; Feb. 23, 1949, 61.00.

301. Mrs. Francis Neutzler. Formerly owned by S. D. Stewart. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 68, blk. S, 8 miles southeast of Lubbock, lat. 33°28', long. 101°47'. Records available: 1937, 1939-41, 1943-49. Mar. 3, 59.44.

314. C. M. Bender. Formerly owned by T. B. Zelner. SW corner SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, blk. B, 4 miles southwest of Lubbock, lat. 33°33', long. 101°54'. Records available: 1937-49. Mar. 4, 51.35.

316. E. A. Hankins. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, blk. E2, 4.75 miles southwest of Lubbock, lat. 33°33', long. 101°55'. Records available: 1937-39, 1942-43, 1945-47, 1949. Mar. 7, 64.02.

319a. S. J. Paschall. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, blk. E2, 6 miles southwest of Lubbock, lat. 33°31', long. 101°54'. Used drilled irrigation well. Records available: 1947-49. Mar. 21, 1947, 75.72; Mar. 2, 1948, 82.16; Mar. 4, 1949, 77.51.

331a. James Locker. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, blk. CB, 13.5 miles southwest of Lubbock, lat. 33°27', long. 102°01'. Unused windmill well. Records available: 1938-45, 1947-49.

Oct. 27, 1938	73.02	Mar. 7, 1941	73.63	Feb. 10, 1944	70.60
Jan. 26, 1939	73.11	July 28	72.32	Mar. 5, 1945	70.78
Aug. 9	73.10	Mar. 25, 1942	70.80	Mar. 19, 1947	71.77
Jan. 16, 1940	73.16	July 30	71.09	Feb. 26, 1948	72.44
Jan. 22, 1941	73.45	Feb. 18, 1943	71.00	Mar. 4, 1949	74.03

338. George Langford. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, blk. A, 9 miles southwest of Lubbock, lat. 33°32', long. 101°59'. Used drilled irrigation well, diameter 16 inches, depth 174 feet. Records available: 1947-49. Mar. 21, 1947, 64.91; Mar. 1, 1948, 66.51; Mar. 4, 1949, 69.32.

339. J. E. Hinson. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, blk. AK, 8.5 miles southwest of Lubbock, lat. 33°32', long. 101°58'. Records available: 1937, 1939-49. Mar. 4, 67.24.

355. J. A. Medlock. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, blk. CB, 0.5 mile west of U. S. Highway 62, 14 miles southwest of Lubbock, lat. 33°29', long. 102°03'. Records available: 1937-49. Mar. 8, 85.68.

369. J. P. Clark. Formerly owned by A. D. Thomas. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, blk. 20, 0.5 mile west of U. S. Highway 87, 9.5 miles south of Lubbock, lat. 33°26', long. 101°51'. Records available: 1936, 1938, 1940, 1942-49. Mar. 3, 86.42.

371a. L. E. Evans. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 110, blk. 20, 11.5 miles south of Lubbock, lat. 33°25', long. 101°48'. Used drilled irrigation well, diameter unknown, depth 180 feet. Records available: 1947-49. Mar. 10, 1947, 86.32; Mar. 2, 1948, 88.47; Mar. 3, 1949, 92.20.

372. W. P. Martin. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 13, blk. 20, 13 miles south of Lubbock, lat. 33°23', long. 101°48'. Measurement resumed. Records available: 1937-38, 1944-45, 1947, 1949.

375. V. P. Henrich. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, blk. 20, 12.5 miles southeast of Lubbock, lat. 33°24', long. 101°44'. Used drilled irrigation well, diameter unknown, depth 180 feet. Records available: 1947-49. Mar. 11, 1947, 78.40; Mar. 2, 1948, 80.73; Mar. 3, 1949, 83.43.

376b. L. L. Green. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. 20, 13 miles southeast of Lubbock, lat. 33°24', long. 101°45'. Used drilled irrigation well, diameter 16 inches, depth 168 feet. Records available: 1947-49. Mar. 10, 1947, 75.89; Mar. 2, 1948, 84.90; Mar. 3, 1949, 88.34.

379c. H. F. Schilling. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, blk. 24, 15 miles southeast of Lubbock, lat. 33°24', long. 101°41'. Used drilled irrigation well. Records available: 1947-49. Mar. 11, 1947, 62.37; Mar. 2, 1948, 63.40; Mar. 3, 1949, 68.92.

383. H. B. Hobgood. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 21, blk. CB, 0.2 mile east of U. S. Highway 62, 14 miles southwest of Lubbock, lat. 33°28', long. 102°03'. Records available: 1937-40, 1942, 1944-49. Mar. 4, 74.25.

387. W. J. Garrett. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. B, 3 miles southwest of Lubbock, lat. 33°34', long. 101°53'. Records available: 1937-46, 1948. No measurement made in 1949.

389. E. Scott Jones. Center NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, blk. B, 3.5 miles west of Lubbock, lat. 33°34', long. 101°54'. Measurement resumed. Records available: 1937-45, 1949. Mar. 7, 1949, 36.83.

392. Mrs. Betty Lindsey and others. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, blk. D6, on south side of State Highway 24, 10.25 miles west of junction with U. S. Highway 62, 13 miles west of Lubbock, lat. 33°34', long. 102°04'. Records available: 1937-39, 1942-49. Feb. 28, 93.49.

395. H. W. Stanton. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 16, blk. A, 2.5 miles northwest of Lubbock, lat. 33°37', long. 101°51'. Records available: 1937-45, 1948-49. Feb. 28, 54.83.

398. E. E. Ireland. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, blk. D5, 8.5 miles northwest of Lubbock, lat. 33°39', long. 101°57'. Records available: 1937-47, 1949. Feb. 28, 18.24.

401. Virginia Bacon. SE corner SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 39, blk. D, 8 miles north of Lubbock, lat. 33°42', long. 101°50'. Records available: 1937-48. No measurement made in 1949.

402. Fort Worth & Denver Railway Company. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 65, blk. A, 8 miles northeast of Lubbock, lat. 33°39', long. 101°43'. Records available: 1937-49. Feb. 24, 43.54.

403. J. E. Smiley. SW corner SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 56, blk. A, 8 miles northeast of Lubbock, lat. 33°38', long. 101°44'. Records available: 1937-49. Feb. 24, 43.74.

421. E. E. Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, blk. JS, 8.5 miles northwest of Lubbock, lat. 33°39', long. 101°58'. Used drilled irrigation well. Records available: 1947-49. Mar. 20, 1947, 37.46; Mar. 3, 1948, 39.05; Mar. 8, 1949, 42.80.

448a. A. L. Faubion. NW corner NE $\frac{1}{4}$  sec. 28, blk. D, 12 miles northeast of Lubbock, lat. 33°44', long. 101°47'. Used drilled irrigation well, diameter 14 inches, depth 216 feet. Records available: 1947-49. Mar. 7, 1947, 97.58; Feb. 23, 1948, 100.45; Feb. 22, 1949, 103.63.

448b. C. R. Nix. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, blk. D7, 12 miles north of Lubbock, lat. 33°45', long. 101°49'. Used drilled irrigation well. Records available: 1947-49. Mar. 7, 1947, 99.43; Feb. 23, 1948, 106.80; Feb. 22, 1949, 110.70.

448c. C. R. Nix. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, blk. D7, 12 miles north of Lubbock, lat. 33°45', long. 101°49'. Used drilled irrigation well. Records available: 1947-49. Mar. 7, 1947, 99.47; Feb. 23, 1948, 102.27; Feb. 22, 1949.

473. F. H. Cannon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 147, blk. C, 19 miles northeast of Lubbock, lat. 33°47', long. 101°38'. Used drilled irrigation well, diameter 16 inches, depth 300 feet. Records available: 1947-49. Mar. 6, 1947, 94.45; Feb. 23, 1948, 92.48; Feb. 22, 1949, 95.24.

473a. G. K. Bullock. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 146, blk. C, 19 miles northeast of Lubbock, lat. 33°47', long. 101°38'. Used drilled irrigation well, diameter 16 inches, depth 342 feet. Records available: 1947-49. Mar. 6, 1947, 89.48; Feb. 18, 1948, 90.77; Feb. 22, 1949, 93.24.

490. George D. Whiting. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 148, blk. C, 18 miles northeast of Lubbock, lat. 33°45', long. 101°38'. Used drilled irrigation well, diameter 14 inches, depth 250 feet. Records available: 1947-49. Mar. 7, 1947, 92.44; Feb. 18, 1948, 84.36; Feb. 22, 1949, 86.05.

492. Donald Bledsoe. NW corner SE $\frac{1}{4}$  sec. 149, blk. C, 17 miles northeast of Lubbock, lat. 33°45', long. 101°38'. Used drilled irrigation well, diameter 16 inches, depth 268 feet. Records available: 1944, 1947-49. Oct. 10, 1944, 76.00; Mar. 12, 1947, 75.83; Feb. 18, 1948, 79.50; Feb. 22, 1949, 78.98.

497. A. B. Steen. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D7, 15 miles northeast of Lubbock, lat. 33°44', long. 101°39'. Used drilled irrigation well. Records available: 1947-49. Mar. 8, 1947, 92.73; Feb. 18, 1948, 89.03; Feb. 22, 1949, 90.63.

498. V. C. and Ed Snodgrass. NW corner SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 151, blk. C, 15.5 miles northeast of Lubbock, lat. 33°44', long. 101°38'. Used drilled irrigation well, diameter 15 inches, depth 262 feet. Records available: 1941, 1944-45, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1941	87.20	Feb. 9, 1945	85.00	Feb. 18, 1948	90.98
Feb. 22, 1944	84.43	Mar. 6, 1947	88.25	Feb. 22, 1949	92.15

509. E. A. Hendrick. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 94, blk. C, 17 miles northeast of Lubbock, lat. 33°42', long. 101°35'. Used drilled irrigation well, diameter 15 inches, depth 247 feet. Records available: 1947-49. Mar. 6, 1947, 83.70; Feb. 18, 1948, 83.22; Feb. 24, 1949, 85.49.

514. E. A. Hendrick. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 94, blk. C, 17 miles northeast of Lubbock, lat. 33°41', long. 101°35'. Used drilled irrigation well, diameter unknown, depth 245 feet. Records available: 1947-49. Mar. 6, 1947, 83.04; Feb. 18, 1948, 84.94; Feb. 24, 1949, 87.19.

515. E. A. Hendrick. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 94, blk. C, 17 miles northeast of Lubbock, lat. 33°42', long. 101°34'. Used drilled irrigation well, diameter 15 inches, depth 276 feet. Records available: 1947-49. Mar. 6, 1947, 87.09; Feb. 18, 1948, 89.46; Feb. 24, 1949, 92.39.

528a. Aubrey Pounds. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 127, blk. C, 13 miles northeast of Lubbock, lat. 33°37', long. 101°37'. Used drilled irrigation well, diameter 16 inches, depth 276 feet. Records available: 1947-49. Mar. 11, 1947, 64.00; Feb. 18, 1948, 68.33; Feb. 23, 1949, 69.80.

528b. C. C. Sherrod. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 128, blk. C, 13 miles northeast of Lubbock, lat. 33°37', long. 101°37'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 12, 1947, 67.60; Feb. 19, 1948, 68.94; Feb. 23, 1949, 72.77.

560. G. L. Manning. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 39, blk. D7, 10 miles northeast of Lubbock, lat. 33°40', long. 101°42'. Used drilled irrigation well, diameter 15.5 inches, depth 206 feet. Records available: 1947-49. Mar. 7, 1947, 72.75; Feb. 18, 1948, 52.77; Feb. 24, 1949, 55.90.

571. H. W. Lasater. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, blk. RG, 10 miles northeast of Lubbock, lat. 33°37', long. 101°40'. Used drilled irrigation well, diameter 16 inches, depth 180 feet. Records available: 1944, 1947-49. Nov. 21, 1944, 38.70; Mar. 12, 1947, 40.16; Feb. 19, 1948, 41.13; Feb. 23, 1949, 43.62.

583. LaVerne Pounds. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 75, blk. RG, 11 miles east of Lubbock, lat. 33°36', long. 101°39'. Used drilled irrigation well, diameter 14 inches, depth 130 feet. Records available: 1947-49. Mar. 12, 1947, 49.42; Feb. 19, 1948, 50.78; Feb. 23, 1949, 53.20.

583a. Douglass Pounds. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 160, blk. C, 12 miles east of Lubbock, lat. 33°36', long. 101°38'. Used drilled irrigation well. Records available: 1947-49. Mar. 11, 1947, 47.86; Feb. 18, 1948, 52.12; Feb. 23, 1949, 49.87.

595. C. C. Sherrod. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. A, 7 miles northeast of Lubbock, lat. 33°36', long. 101°43'. Used drilled irrigation well, diameter 15 inches, depth 133 feet. Records available: 1947-49. Mar. 12, 1947, 62.10; Feb. 19, 1948, 56.21; Feb. 23, 1949, 60.90.

601. Robert S. Collins. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, blk. A, 5 miles northeast of Lubbock, lat. 33°36', long. 101°46'. Used drilled irrigation well, diameter 12 inches, depth 130 feet. Records available: 1947-49. Mar. 19, 1947, 77.27; Feb. 19, 1948, 64.24; Feb. 22, 1949, 67.55.

609. H. M. Kinnard, Jr. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 45, blk. A, 6 miles northeast of Lubbock, lat. 33°38', long. 101°46'. Used drilled irrigation well. Records available: 1947-49. Mar. 12, 1947, 36.51; Feb. 19, 1948, 36.70; Feb. 24, 1949, 40.43.

630a. Cecil Brashear. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 61, blk. A, 10 miles northeast of Lubbock, lat. 33°42', long. 101°44'. Used drilled irrigation well, diameter 12 inches, depth 176 feet. Records available: 1947-49. Mar. 7, 1947, 68.66; Feb. 19, 1948, 68.54; Feb. 22, 1949, 70.92.

644a. G. L. Manning. NE. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, blk. D3, 7 miles northeast of Lubbock, lat. 33°40', long. 101°48'. Used drilled irrigation well, diameter 16 inches, depth 184 feet. Records available: 1947-49. Mar. 7, 1947, 67.02; Feb. 18, 1948, 70.36; Mar. 9, 1949, 71.51.



650. Elmer Edwards. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, blk. D3, 7 miles northeast of Lubbock, lat. 33°40', long. 101°47'. Used drilled irrigation well, depth 180 feet. Records available: 1947-49. Mar. 7, 1947, 67.09; Feb. 19, 1948, 70.45; Feb. 24, 1949, 73.80.

689a. Dick Adams. NW. corner SW $\frac{1}{4}$  sec. 11, blk. A, 3.5 miles northwest of Lubbock, lat. 33°37', long. 101°52'. Used drilled irrigation well, diameter 16 inches, depth 112 feet. Records available: 1947-49. Mar. 8, 1947, 46.18; Mar. 3, 1948, 43.60; Mar. 7, 1949, 52.38.

690. O. C. Horne. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. D4, 4 miles northwest of Lubbock, lat. 33°38', long. 101°52'. Used drilled irrigation well, diameter 14 inches, depth 120 feet. Records available: 1947-49. Mar. 8, 1947, 44.70; Feb. 20, 1948, 46.73; Feb. 25, 1949, 49.36.

702. L. E. McMenemy. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. D2, 8.5 miles northwest of Lubbock, lat. 33°41', long. 101°54'. Used drilled irrigation well, diameter 15 inches, depth 170 feet. Records available: 1947-49. Mar. 7, 1947, 80.23; Mar. 3, 1948, 83.27; Feb. 24, 1949, 82.94.

734. E. E. Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, blk. JS, 8.5 miles northwest of Lubbock, lat. 33°38', long. 101°58'. Used drilled irrigation well, diameter 16 inches, depth 158 feet. Records available: 1947-49. Mar. 20, 1947, 44.01; Mar. 3, 1948, 47.25; Feb. 28, 1949, 51.13.

766. Lloyd Huffaker. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. D6, 10 miles west of Lubbock, lat. 33°35', long. 102°01'. Used drilled irrigation well, diameter 16 inches, depth 189 feet. Records available: 1947-49. Mar. 8, 1947, 84.61; Mar. 1, 1948, 88.17; Feb. 23, 1949, 90.80.

766a. Lloyd Huffaker. SE $\frac{1}{4}$  sec. 3, blk. D6, 9.5 miles west of Lubbock, lat. 33°35', long. 102°00'. Used drilled irrigation well, diameter 18 inches, depth 205 feet. Records available: 1947-49. Mar. 8, 1947, 86.69; Mar. 1, 1948, 88.96; Feb. 28, 1949, 88.03.

775a. M. L. Sheppard. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. D6, 11.5 miles southwest of Lubbock, lat. 33°32', long. 102°02'. Used drilled irrigation well, diameter 16 inches. Records available: 1947-49. Mar. 10, 1947, 77.01; Mar. 1, 1948, 79.77; Mar. 7, 1949, 82.27.

776. S. B. Nelson. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 10, blk. D6, 10.5 miles southwest of Lubbock, lat. 33°32', long. 102°01'. Used drilled irrigation well, diameter 15.5 inches, depth 172 feet. Records available: 1947-49. Mar. 8, 1947, 78.08; Mar. 1, 1948, 80.49; Mar. 7, 1949, 83.53.

776a. S. B. Nelson. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, blk. D6, 10 miles southwest of Lubbock, lat. 33°32', long. 102°00'. Used drilled irrigation well, diameter 16 inches, depth 194 feet. Records available: 1947-49. Mar. 8, 1947, 75.31; Mar. 1, 1948, 77.33; Mar. 7, 1949, 79.20.

786. Johnny Patterson. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, blk. GB, 12 miles southwest of Lubbock, lat. 33°29', long. 102°00'. Used drilled irrigation well, diameter 18 inches, depth 165 feet. Records available: 1947-49. Mar. 24, 1947, 98.23; Mar. 1, 1948, 99.84; Mar. 4, 1949, 102.34.

787. R. S. Hobgood. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 71, blk. 20, 15 miles southwest of Lubbock, lat. 33°26', long. 102°02'. Used drilled irrigation well, diameter 16 inches, depth 192 feet. Records available: 1947-49. Mar. 10, 1947, 80.33; Mar. 1, 1948, 83.34; Mar. 4, 1949, 85.26.

787a. R. S. Hobgood. NW $\frac{1}{4}$  sec. 130, blk. 20, 15 miles southwest of Lubbock, lat. 33°26', long. 102°02'. Used drilled irrigation well, diameter 16 inches, depth 192 feet. Records available: 1947-49. Mar. 10, 1947, 85.03; Mar. 1, 1948, 85.69; Mar. 4, 1949, 87.37.

818a. J. B. Patterson. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, blk. 20, 14 miles southeast of Lubbock, lat. 33°23', long. 101°46'. Used drilled irrigation well, diameter 14 inches, depth 199 feet. Records available: 1947-49. Mar. 10, 1947, 92.05; Mar. 2, 1948, 94.22; Mar. 9, 1949, 97.64.

820a. F. H. Griffin. SW corner SW $\frac{1}{4}$  sec. 8, blk. 20, 13.5 miles southeast of Lubbock, lat. 33°24', long. 101°47'. Used drilled irrigation well, diameter 16 inches, depth 208 feet. Records available: 1945, 1947-49. Mar. 5, 1945, 88.60; Mar. 10, 1947, 92.50; Mar. 2, 1948, 94.14; Mar. 3, 1949, 97.17.

839. Plez McMurlen. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 16, blk. E, 8.5 miles south of Lubbock, lat. 33°27', long. 101°52'. Used drilled irrigation well, diameter 15 inches, depth 150 feet. Records available: 1942-43, 1945, 1947-49.

Date	Water level	Date	Water level	Date	Water level
Mar. 27, 1942	78.47	Mar. 5, 1945	78.22	Mar. 2, 1948	85.79
Feb. 16, 1943	77.68	Mar. 19, 1947	82.92	Mar. 3, 1949	88.68

843a. Ed Gordon. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 14, blk. E, 7 miles south of Lubbock, lat. 33°29', long. 101°50'. Used drilled irrigation well, diameter 16 inches, depth 155 feet. Records available: 1947-49. Mar. 21, 1947, 74.37; Mar. 2, 1948, 75.83; Mar. 3, 1949, 77.24.

847. Texas Highway Department. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, blk. E, 3.5 miles south of Lubbock, lat. 33°31', long. 101°50'. Used drilled irrigation well, diameter unknown, depth 120 feet. Records available: 1939, 1944-45, 1947-49.

Mar. 8, 1939	82.27	Feb. 21, 1945	76.69	Mar. 10, 1948	81.75
June 30	82.41	Mar. 21, 1947	78.16	Mar. 3, 1949	84.22
Feb. 5, 1944	77.06				

853a. Glenn M. Wages. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. S, 4.5 miles southeast of Lubbock, lat. 33°32', long. 101°47'. Used drilled irrigation well, diameter 14 inches, depth 112 feet. Records available: 1947-49. Mar. 11, 1947, 47.13; Mar. 10, 1948, 47.54; Mar. 3, 1949, 49.28.

868a. W. T. Lemon. SW corner NW $\frac{1}{4}$  sec. 75, blk. S, 9.5 miles southeast of Lubbock, lat. 33°27', long. 101°47'. Used drilled irrigation well, diameter 14 inches, depth 170 feet. Records available: 1947-49. Mar. 10, 1947, 72.75; Mar. 2, 1948, 71.74; Mar. 3, 1949, 75.44.

868b. W. T. Lemon. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 75, blk. S, 9.5 miles southeast of Lubbock, lat. 33°27', long. 101°47'. Used drilled irrigation well, diameter 14 inches, depth 163 feet. Mar. 10, 1947, 81.06; Mar. 2, 1948, 83.10; Mar. 3, 1949, 88.94. Records available: 1947-49.

887b. Earl Rogers. NE $\frac{1}{4}$  lbr. 28, lge. 4, San Augustine County school land, 11.5 miles east of Lubbock, lat. 33°33', long. 101°38'. Used drilled irrigation well, diameter 16 inches, depth 147 feet. Records available: 1947-49. Mar. 11, 1947, 70.15; Mar. 10, 1948, 70.84; Feb. 23, 1949, 72.03.

#### Lynn County

605. L. King. NE corner NE $\frac{1}{4}$  sec. 396, blk. 5, 8.3 miles north of Tahoka, lat. 33°16', long. 101°48'. Measurement resumed. Records available: 1937-40, 1942-44, 1949. Mar. 28, 52.05.

701. E. E. Fagg. NE $\frac{1}{4}$  sec. 41, blk. 8, 2.4 miles north of O'Donnell, lat. 33°00', long. 101°48'. Measurement resumed. Records available: 1937-39, 1942, 1943-44, 1949. Mar. 30, 63.35.

703. Levi Gray. Formerly owned by T. L. McKinney. SW corner NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 34, blk. 8, 10.6 miles south of Tahoka, lat. 33°00', long. 101°48'. Records available: 1937-40, 1949. Mar. 30, 62.10.

709. M. M. Davis. SW. corner NE $\frac{1}{4}$  sec. 208, blk. 4, 5.7 miles south of Tahoka, lat. 33°05', long. 101°47'. Used dug windmill well, diameter 36 inches, depth 24 feet. Records available: 1937-40, 1949.

Date	Water level	Date	Water level	Date	Water level
July 12, 1937	3.36	Aug. 10, 1939	14.40	Aug. 2, 1940	17.95
Aug. 7	5.58	Mar. 1, 1940	16.88	Mar. 30, 1949	22.42
Jan. 23, 1938	5.90				

711. Carl Griffin. SW. corner NW $\frac{1}{4}$  sec. 207, blk. 4, 4.15 miles south of Tahoka, lat. 33°06', long. 101°48'. Measurement resumed. Records available: 1937-38, 1949. Mar. 30, 18.83.

713a. City of Tahoka. In Tahoka, 100 feet northeast of city standpipe, lat. 33°10', long. 101°47'. Records available: 1938-40, 1942-44, 1949. Mar. 28, 69.88.

#### Matagorda County

3. Southern Pacific Co. About 0.6 mile west of highway intersection at Midfield, lat. 28°56', long. 96°13'. Records available: 1934, 1938-41, 1943-46, 1948-49. Mar. 23, 12.87.

33. Turtle Bay School. 5 miles west of Palacios, lat. 28°43', long. 96°17'. Records available: 1938-42, 1944-46, 1948-49. Mar. 23, 17.56.

40. City of Palacios. At water works, lat. 28°42', long. 96°12'. Records available: 1934, 1938-46, 1948-49. Mar. 23, 12.62.

#### Maverick County

M3-6. M. Rambie. About 0.2 mile west of well M3-7, lat. 28°55', long. 100°06'. Used drilled irrigation well, diameter 10 inches, depth 100 feet. Records available: 1948-49. Sept. 16, 1948, 48.58; Aug. 10, 1949, 48.71.

M3-7. M. Rambie. About 100 feet north of ranchhouse, 15 miles west of La Pryor, lat. 28°55', long. 100°06'. Unused drilled well, diameter 5 inches, depth 50 feet. Records available: 1930, 1947-49. Aug. 10, 33.73.

M3-7a. M. Rambie. About 100 feet south of ranchhouse, 15 miles west of La Pryor, lat. 28°55', long. 100°06'. Records available: 1946-49. Aug. 10, 45.02.

#### Medina County

1-2-7. Alfred Schlentz. 8.2 miles northwest of Hondo, lat. 29°27', long. 99°11'. Records available: 1930, 1934, 1937-45, 1947-49.

Jan. 6	222.08	Apr. 12	219.75	Nov. 2	202.05
Mar. 9	218.12	Aug. 26	199.53	Dec. 9	202.12

1-3-3. Gus Britch. 4.7 miles northeast of Hondo, lat. 29°24', long. 99°07'. Records available: 1930, 1934, 1937-49.

Jan. 6	214.96	Apr. 13	195.76	Nov. 2	120.59
Mar. 9	121.94	Aug. 26	177.52	Dec. 9	179.31

1-3-4. H. W. McClain. 7.2 miles northeast of Hondo, lat. 29°26', long. 99°08'. Records available: 1930, 1934, 1937-49.

Jan. 6	204.35	Apr. 13	203.00	Nov. 2	190.55
Mar. 9	201.80	Aug. 26	193.20	Dec. 9	193.18

1-4-18. Ross Kennedy Estate. 3.7 miles east of Sabinal, lat. 29°19', long. 99°24'. Records available: 1930, 1934, 1937-49.

Jan. 5	243.75	Apr. 15	236.87	Nov. 2	225.31
Mar. 7	237.76	Aug. 26	227.59	Dec. 9	226.39

1-4-29. Will Kelly. 6.3 miles southwest of D'Hanis, lat. 29°15', long. 99°20'. Records available: 1930, 1934, 1937-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 5	232.16	Apr. 12	225.80	Nov. 2	214.25
Mar. 7	226.54	Aug. 26	216.66	Dec. 9	215.51

1-4-30. Virgil Johnson. 12 miles southeast of D'Hanis, lat. 29°10', long. 99°19'. Records available: 1930, 1934, 1937-49.

Jan. 5	67.15	Aug. 26	52.27	Dec. 9	51.17
Apr. 12	60.75	Nov. 2	49.72		

XM-3. John Krenmueller. 7 miles east of Castroville, lat. 29°20', long. 98°59'. Records available: 1937-45, 1947-49. Jan. 5, 64.11; Apr. 12, 63.45; Aug. 26, 65.63.

#### Montgomery County

' 22. City of Conroe. In Conroe, lat. 30°18', long. 95°27'. Records available: 1931, 1939-49. Feb. 14, 2.44; June 15, 2.39; Sept. 28, 1.79; Dec. 19, 2.06.

29. Brown Estate. 1.75 miles south of Conroe, lat. 30°17', long. 95°27'. Records available: 1931-36, 1938-49. Feb. 14, 24.92; June 15, 22.12; Sept. 28, 23.63; Dec. 19, 18.79.

45. Blair & Sons. At Tamina, lat. 30°10', long. 95°26'. Records available: 1931-36, 1938-49. Feb. 14, 14.82; June 15, 14.98; Sept. 28, 14.91; Dec. 19, 13.93.

46. E. W. Castleschoult. 9.5 miles south of Conroe, lat. 30°10', long. 95°27'. Records available: 1931-36, 1938-49. Feb. 14, 27.88; June 15, 28.23; Sept. 28, 28.23; Dec. 19, 27.26.

57. R. E. Hix and J. W. Bolinghouse. 1.75 miles northwest of Conroe, lat. 30°20', long. 95°28'. Records available: 1940-49. Feb. 14, 41.92; June 15, 41.61; Sept. 28, 42.02; Dec. 19, 41.61.

140. J. M. Liles, test hole R-2. 1 mile north of Conroe, lat. 30°19', long. 95°27'. Records available: 1940-49. Feb. 14, 10.48; June 15, 9.59; Sept. 28, 11.19; Dec. 19, 7.19.

#### Nacogdoches County

322. Southland Paper Mills, Inc. well C-7-O. 10 miles south of Nacogdoches, lat. 30°27', long. 94°39'. Records available: 1941-49. Jan. 28, 157.93.

325. Southland Paper Mills, Inc. well C-9-O. 11 miles southeast of Nacogdoches, lat. 30°27', long. 94°34'. Records available: 1941-49. Apr. 8, 184.02; May 26, 186.41; June 22, 189.48.

331. Southland Paper Mills, Inc. well W-4-O. 8 miles southeast of Nacogdoches, lat. 30°29', long. 94°42'. Records available: 1941-49. Feb. 11, 123.67; June 13, 130.71.

#### Parmer County

4. H. McMillan. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 16 S., 5 miles northwest of Larriat, lat. 34°20', long. 102°57'. Used drilled domestic and stock well, diameter 4 inches, depth 136 feet. (Well 329 in Records of Wells, Parmer County, Texas Board of Water Engineers, April 25, 1938, mimeographed.) Measurement resumed. Records available: 1937-49. Mar. 17, 115.09.

6. Mrs. K. Hamlin. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T. 16 S., 2.5 miles east of Farwell, lat. 34°22', long. 102°59'. Records available: 1937-38, 1942-43, 1948, 1948-49. Mar. 17, 153.79.

9. J. A. Jones. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 9 S., 3 miles east and 3 miles north of Farwell, lat. 34°26', long. 102°58'. (Well 238 in Records of Wells, Parmer County, Texas Board of Water Engineers, April 25, 1938, mimeographed.) Measurement resumed. Records available: 1937-39, 1948-49. Mar. 17, 1948, 209.95; Mar. 17, 1949, 209.55.

10. J. M. Gunn. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 7 S., 2 miles south and 1 mile east of Bovina, lat. 34°29', long. 102°54'. (Well 206 in Records of Wells, Parmer County, Texas Board of Water Engineers, April 25, 1938, mimeographed.) Measurement resumed. Records available: 1937-38, 1948-49. Mar. 17, 1948, 167.38; Mar. 17, 1949, 168.65.

11a. T. J. Hawks. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, Davis survey, 21.5 miles northeast of Bovina, lat. 34°42', long. 102°34'. (Well 11 in Records of Wells, Parmer County, Texas Board of Water Engineers, April 25, 1938, mimeographed.) Measurements resumed. Records available: 1938-39, 1948-49. Mar. 15, 1948, 121.81; Mar. 17, 1949, 120.17.

12. Capital Syndicate. Northeast part of sec. 11, T. 7 S., 1 mile east and 1 mile north of Bovina, lat. 34°32', long. 102°51'. (Well 171 in Records of Wells, Parmer County, Texas Board of Water Engineers, April 25, 1938, mimeographed.) Measurement resumed. Records available: 1937-38, 1948-49. Mar. 17, 1948, 161.85; Mar. 17, 1949, 161.86.

15. A. C. Hays. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T. 1 N., R. 5 E., 1 mile southeast of Black, lat. 34°40', long. 102°35'. Records available: 1937-38, 1942, 1947-49. Mar. 17, 139.05.

20. J. W. Cobb. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 7, Harrah survey, 3 miles southeast of Black, lat. 34°39', long. 102°33'. Used drilled irrigation well, diameter 12 inches, depth 185 feet. Records available: 1947-49. Mar. 27, 1947, 107.51; Mar. 15, 1948, 108.39; Mar. 17, 1949, 110.25.

323. W. L. Clampitt. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 15 S., 12 miles south of Bovina, lat. 34°20', long. 102°55'. Used drilled domestic and stock well, diameter 3.5 inches, depth 109 feet. Records available: 1937, 1948-49. June 22, 1937, 102.77; Mar. 17, 1948, 100.50; Mar. 17, 1949, 101.00.

#### Randall County

76. C. H. Ray. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 33, blk. 1, T.T.R.R. Survey, 4.75 miles north of Canyon, lat. 35°03', long. 101°55'. Records available: 1937-43, 1946-47. Measurement discontinued.

83a. Owner unknown. SW corner NE $\frac{1}{4}$  sec. 28, blk. B5, 2 miles west of Canyon, lat. 34°59', long. 101°58'. Records available: 1938-43, 1946-49. Mar. 8, 79.02.

100. J. N. Sea. NW corner NW $\frac{1}{4}$  sec. 63, blk. B5, 0.5 mile south of Canyon, lat. 34°58', long. 101°56'. Used windmill well, diameter 6 inches, depth 55 feet. Records available: 1937, 1941-42, 1948-49.

Date	Water level	Date	Water level	Date	Water level
May 14, 1937	50.06	May 31, 1941	52.54	Mar. 15, 1948	52.52
Jan. 12, 1941	53.48	Feb. 18, 1942	49.04	Mar. 7, 1949	50.90
Mar. 19	53.48	July 9	49.62		

103. W. H. Bush Estate. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 64, blk. 85, 1.2 miles south of Canyon, lat. 34°57', long. 101°54'. Records available: 1937-43, 1946-49. Mar. 8, 9.28.

110. Price Bros. NW. corner NW $\frac{1}{4}$  sec. 66, blk. B5, 1.5 miles south of Canyon, lat. 34°57', long. 101°56'. Used drilled windmill well, diameter 4 inches, depth 75 feet. Records available: 1937, 1941-43, 1946-49.

Date	Water level	Date	Water level	Date	Water level
Apr. 15, 1937	52.23	Feb. 18, 1942	50.81	Mar. 25, 1947	53.25
Jan. 9, 1941	52.62	July 8	50.88	Mar. 15, 1948	56.25
Mar. 19	52.79	Jan. 8, 1943	51.03	Mar. 7, 1949	51.80
May 31	52.87	Mar. 1, 1946	52.70		

117. Melton Dooley. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 128, blk. B5, 4.75 miles south of Canyon, lat. 34°54', long. 101°54'. Records available: 1937-43, 1946-49. Mar. 7, 41.68.

145a. Owner unknown. SE. corner NE $\frac{1}{4}$  sec. 10, blk. B5, 7.5 miles west of Canyon, lat. 35°00', long. 102°03'. Records available: 1938-42, 1946-49. Mar. 8, 111.03.

189a. W. F. Miller. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 109, blk. M8, 16 miles south of Canyon, lat. 34°45', long. 101°49'. Records available: 1938-41, 1947-49. Mar. 7, 89.18.

#### San Patricio County

58. J. D. Mills. 2.5 miles west of Aransas Pass, lat. 27°54', long. 97°21'. Records available: 1938-42, 1947, 1949. Nov. 15, 1.42.

68. F. N. Edwards. 4 miles southwest of Aransas Pass, lat. 27°52', long. 97°21'. Records available: 1938-42, 1945, 1947. Measurement discontinued.

69. O. V. Coopender. 4 miles west of Aransas Pass, lat. 27°53', long. 97°22'. Records available: 1938-42, 1945, 1947, 1949. Nov. 15, 15.68.

80. Lewis Caldwell. 3.25 miles southwest of Aransas Pass, lat. 27°52', long. 97°21'. Records available: 1938-42, 1945, 1947, 1949. Nov. 15, 12.76.

85. W. H. Bryan. 3.25 miles west of Aransas Pass, lat. 27°53', long. 97°21'. Records available: 1938-42, 1945, 1947, 1949. Nov. 15, 14.10.

86. T. H. Bennight. 3.25 miles west of Aransas Pass, lat. 27°53', long. 97°21'. Records available: 1938-42, 1945, 1947. Measurement discontinued.

107. L. S. Lane. 2.5 miles northwest of Aransas Pass, lat. 27°55', long. 97°20'. Records available: 1938-42, 1945, 1947. Measurement discontinued.

129. B. A. Linderman. 0.5 mile northwest of Aransas Pass, lat. 27°54', long. 97°19'. Records available: 1938-42, 1945, 1947, 1949. Nov. 16, 11.74.

140. Bruce Hannah. 3 miles southwest of Aransas Pass, lat. 27°52', long. 97°20'. Records available: 1938-42, 1945, 1947, 1949. Nov. 16, 14.46.

144. Fred McMullen. 3.25 miles southwest of Aransas Pass, lat. 27°52', long. 97°21'. Records available: 1938-42, 1945, 1947, 1949. Nov. 15, 15.85.

#### Swisher County

1. Will Vaughn. NW. corner NW $\frac{1}{4}$  sec. 10, blk. M6, 13 miles northwest of Tulia, lat. 34°40', long. 101°55'. Records available: 1937, 1943, 1947-49. Feb. 23, 89.70.

2. I. Irlbeck. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 63, blk. M8, 3 miles south of Happy lat. 34°41', long. 101°51'. Records available: 1937-49. Feb. 23, 77.75.

16. Tulia Wheat Growers. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 117, blk. M8, 8 miles south of Happy, lat. 34°38', long. 101°49'. Records available: 1937-47. Measurement discontinued.

36. W. C. Cowan. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, blk. W1, 3 miles northwest of Tulia, lat. 34°35', long. 101°48'. Records available: 1934, 1937, 1940-49. Feb. 23, 59.20.

37. H. H. Terrell. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. W1, 3.75 miles northwest of Tulia, lat. 34°34', long. 101°48'. Used drilled irrigation well, diameter 16 inches, depth 250 feet. Records available: 1937-44, 1946-49.

Date	Water level	Date	Water level	Date	Water level
Sept. 13, 1937	62.67	Mar. 12, 1941	64.97	Jan. 15, 1947	64.83
Apr. 20, 1938	63.18	Feb. 26, 1942	64.20	Mar. 17	64.47
Sept. 14	62.91	Nov. 5	63.55	Feb. 3, 1948	66.26
Mar. 7, 1939	63.86	Feb. 3, 1943	63.42	Mar. 3	65.36
Mar. 14, 1940	63.90	Feb. 10, 1944	62.99	Mar. 3, 1949	67.63
Nov. 7	64.82	Feb. 25, 1946	64.11		

38. H. A. Terrell. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, blk. W1, 3 miles northwest of Tulia, lat. 34°34', long. 101°47'. Records available: 1937-40, 1942-47, 1949. Mar. 4, 63.85.

40. Murry Vise. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, blk. W1, 4.5 miles north of Tulia, lat. 34°36', long. 101°46'. Records available: 1937, 1943, 1947-49. Feb. 28, 64.03.

50. C. W. Rousseau. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 27, blk. W1, half a block north and half a block east of Tulia High School, lat. 34°32', long. 101°45'. Measurement resumed. Records available: 1937-41, 1943, 1946-49. Feb. 25, 1946, 58.55; Mar. 10, 1947, 61.89; Mar. 11, 1948, 63.00; Feb. 23, 1949, 63.70.

59. C. G. Jordan. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, blk. M6, 10 miles west of Tulia, lat. 34°33', long. 101°56'. Records available: 1937, 1947-48. No measurement made in 1949.

80. Marshall Vaughn. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 77, blk. M8, 4.75 miles west of Tulia, lat. 34°32', long. 101°50'. Used drilled irrigation well. Records available: 1947-49. Mar. 15, 1947, 68.34; Mar. 1, 1948, 69.04; Feb. 23, 1949, 70.67.

101. C. J. Levitt. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 95, blk. M9, 10.5 miles north of Tulia, lat. 34°41', long. 101°43'. Used drilled irrigation well, diameter 14 inches, depth 230 feet. Records available: 1947-49. Mar. 17, 1947, 70.63; Mar. 2, 1948, 71.14; Mar. 4, 1949, 72.05.

108. Joe Richardson. Lab. 24, lge. 4, S.J.C.S.L., 16.5 miles northeast of Tulia, lat. 34°38', long. 101°30'. Used drilled irrigation well, diameter 26 inches, depth 210 feet. Records available: 1934, 1937, 1943, 1945-49.

Apr. 20, 1934	70.66	Feb. 22, 1945	76.34	Mar. 17, 1947	74.91
Nov. 29, 1937	71.52	Feb. 26, 1946	73.48	Mar. 2, 1948	75.91
May 6, 1943	75.61	Jan. 15, 1947	75.12	Mar. 4, 1949	76.27

113. Mrs. G. M. Tucker. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 198, blk. M9, 9.5 miles northeast of Tulia, lat. 34°37', long. 101°37'. Used drilled irrigation well, diameter 18 inches, depth 210 feet. Records available: 1937, 1943, 1947-49.

Nov. 30, 1937	58.46	Mar. 17, 1947	60.99	Mar. 4, 1949	62.25
May 28, 1943	58.53	Mar. 2, 1948	61.40		

115. W. W. Parker. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 164, blk. M9, 9 miles northeast of Tullia, lat. 34°38', long. 101°39'. Records available: 1937, 1943, 1945-49. Mar. 4, 62.25.

119. W. A. Byrd. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, blk. RC, 5.5 miles northeast of Tullia, lat. 34°36', long. 101°42'. Used drilled irrigation well, diameter 18 inches. Records available: 1943, 1947-49. May 29, 1943, 50.22; Mar. 17, 1947, 53.10; Mar. 2, 1948, 55.43; Feb. 28, 1949, 55.65.

124. W. C. Watson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 125, blk. M10, 10.5 miles east of Tullia, lat. 34°34', long. 101°34'. Records available: 1937, 1943, 1947-49. Feb. 28, 60.24.

127. W. B. Ballard. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 124, blk. M10, 11 miles east of Tullia, lat. 34°35', long. 101°34'. Used drilled irrigation well, diameter 18 inches, depth 197 feet. Records available: 1937, 1943, 1945-49.

Date	Water level	Date	Water level	Date	Water level
Nov. 26, 1937	52.38	Feb. 25, 1946	53.41	Mar. 2, 1948	56.38
May 15, 1943	53.07	Mar. 17, 1947	54.95	Mar. 4, 1949	57.18
Feb. 22, 1945	57.51				

139. E. B. McCrary. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. M15, 5 miles northeast of Tullia, lat. 34°34', long. 101°41'. Used drilled irrigation well, diameter 18 inches, depth 208 feet. Records available: 1943, 1945-49.

May 29, 1943	50.30	Feb. 26, 1946	51.01	Mar. 2, 1948	52.05
Feb. 22, 1945	52.73	Mar. 17, 1947	51.05	Feb. 28, 1949	52.60

165. W. L. Pevehouse. NE. corner NE $\frac{1}{4}$  sec. 33, blk. B3, 16 miles northeast of Tullia, lat. 34°38', long. 101°30'. Used drilled irrigation well, diameter unknown, depth 200 feet. Records available: 1943, 1945-49.

May 6, 1943	79.36	Feb. 26, 1946	79.88	Mar. 2, 1948	79.95
Feb. 22, 1945	78.14	Mar. 17, 1947	79.65	Mar. 4, 1949	80.83

167. A. J. Harris. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 116, blk. M10, 13 miles northeast of Tullia, lat. 34°37', long. 101°33'. Used drilled irrigation well. Records available: 1937, 1943, 1945-49.

Nov. 26, 1937	52.45	Feb. 26, 1946	54.87	Mar. 2, 1948	55.53
May 6, 1943	53.22	Mar. 17, 1947	54.31	Mar. 4, 1949	56.50
Feb. 22, 1945	53.16				

215. Alvin Stark. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 108, blk. A, 11.5 miles southeast of Tullia, lat. 34°27', long. 101°35'. Used drilled irrigation well, diameter 18 inches, depth 180 feet. Records available: 1937, 1943, 1946-49.

Nov. 10, 1937	52.71	Feb. 26, 1946	58.92	Mar. 11, 1948	63.34
June 30, 1943	54.35	Mar. 13, 1947	61.12	Mar. 3, 1949	65.29

231. L. L. Armor. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 87, blk. B2, 14 miles southeast of Tullia, lat. 34°24', long. 101°34'. Used drilled irrigation well, diameter 18 inches. Records available: 1937, 1943-49.

Nov. 8, 1937	51.39	Feb. 22, 1945	62.12	Feb. 23, 1948	66.86
June 30, 1943	67.48	Feb. 26, 1946	63.25	Mar. 3, 1949	68.50
Feb. 14, 1944	60.63	Mar. 13, 1947	65.84		

233. L. L. Armor. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 88, blk. B2, 10 miles east of Kress, lat. 34°23', long. 101°34'. Records available: 1937, 1943, 1947-49. Mar. 3, 67.80.

247. R. J. Pool. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 80, blk. B2, 12.5 miles east of Kress, lat. 34°21', long. 101°33'. Records available: 1937, 1943, 1948-49. Mar. 4, 68.75.



255. Dr. H. H. Hicks. NW corner NE $\frac{1}{4}$  sec. 2, blk. B6, 7.5 miles east of Kress, lat. 34°22', long. 101°37'. Records available: 1937-38, 1940-49. Mar. 3, 52.30.

258. B. A. Dubbert. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, blk. M14, 8 miles east of Kress, lat. 34°19', long. 101°37'. Records available: 1936-47. Measurement discontinued.

299. E. V. Elkins. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 152, blk. A, 7 miles southeast of Tulia, lat. 34°31', long. 101°38'. Used drilled irrigation well, diameter unknown, depth 101 feet. Records available: 1943, 1945-49.

Date	Water level	Date	Water level	Date	Water level
June 30, 1943	46.02	Feb. 26, 1946	44.00	Feb. 26, 1948	46.45
Feb. 22, 1945	44.54	Mar. 17, 1947	45.52	Mar. 4, 1949	50.06

302. J. D. Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, blk. W1, 1.5 miles southwest of Tulia, lat. 34°31', long. 101°46'. Records available: 1934, 1937, 1939-49. Feb. 23, 66.24.

305. J. L. Cantrell. NW corner NE $\frac{1}{4}$  sec. 25, blk. W1, 1.75 miles southeast of Tulia, lat. 34°30', long. 101°44'. Records available: 1937-49. Feb. 24, 40.35.

307. J. S. Vars. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, blk. M15, 4 miles southeast of Tulia, lat. 34°29', long. 101°42'. Used drilled irrigation well, diameter 16 inches, depth 173 feet. Records available: 1947-49. Mar. 14, 1947, 55.23; Mar. 2, 1948, 56.34; Feb. 24, 1949, 57.11.

310. Clyde Wilkins. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. M15, 4.5 miles southeast of Tulia, lat. 34°30', long. 101°41'. Used drilled irrigation well, diameter 16 inches, depth 172 feet. Records available: 1947-49. Mar. 14, 1947, 69.73; Mar. 2, 1948, 68.05; Feb. 28, 1949, 69.49.

332. W. F. Kerr. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. M13, 4 miles north of Kress, lat. 34°25', long. 101°45'. Records available: 1937-49. Feb. 24, 76.54.

333. W. A. Snell. NW corner NE $\frac{1}{4}$  sec. 37, blk. M13, 8.5 miles south of Tulia, lat. 34°24', long. 101°46'. Used drilled irrigation well, diameter 18 inches. Records available: 1947-49. Mar. 12, 1947, 79.37; Feb. 26, 1948, 81.15; Feb. 22, 1949, 82.98.

354. V. A. Beck. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 52, blk. M13, at west edge of Kress, lat. 34°21', long. 101°45'. Records available: 1936-46, 1948-49. Feb. 2, 71.08.

359. E. E. Farnway. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 57, blk. M13, 2.75 miles west of Kress, lat. 34°21', long. 101°47'. Records available: 1937-49. Feb. 22, 87.70.

368. C. F. Harris. Blk. M13, on R. F. Hudgins survey, 2.75 miles south of Kress, lat. 34°19', long. 101°44'. Records available: 1936-49. Feb. 22, 92.48.

370. Neeley Culp. Blk. M13, on R. F. Hudgins survey, 2.7 miles south of Kress, lat. 34°19', long. 101°43'. Records available: 1937-49. Feb. 24, 88.54.

376. H. F. Axtell. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. M14, 12.5 miles south of Tulia, lat. 34°21', long. 101°42'. Used drilled irrigation well, diameter 18 inches, depth 400 feet. Records available: 1947-49. Mar. 13, 1947, 77.28; Feb. 23, 1948, 77.00; Feb. 24, 1949, 81.60.

383. S. R. Golden. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 54, blk. M14, 4.5 miles southeast of Kress, lat. 34°18', long. 101°41'. Records available: 1914, 1934, 1936-49, Mar. 3, 87.38.

404. Lewis Redmond. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, blk. M11, 8 miles west of Tulia, lat. 34°30', long. 101°54'. Used drilled irrigation well, diameter 14 inches, depth 242 feet. Records available: 1937, 1943, 1949. Oct. 27, 1937, 103.51; May 31, 1943, 102.65; Feb. 23, 1949, 106.78.

407. Ernest M. Johnson. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, blk. K2, 7.5 miles southwest of Tulia, lat. 34°26', long. 101°50'. Used drilled irrigation well, diameter 18 inches, depth 229 feet. Records available: 1937, 1945-49.

Date	Water level	Date	Water level	Date	Water level
Apr. 1937	91.00	Feb. 26, 1946	104.53	Mar. 1, 1948	111.66
Feb. 20, 1945	99.96	Mar. 15, 1947	109.48	Feb. 22, 1949	112.72

408. J. A. Ellis. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. K2, 7 miles southwest of Tulia, lat. 34°26', long. 101°49'. Used drilled irrigation well, diameter 16 inches, depth 202 feet. Records available: 1937, 1948-49. Sept. 24, 1937, 86.90; Mar. 1, 1948, 94.20; Feb. 22, 1949, 95.75.

410. E. E. Cox. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, blk. K, 9.5 miles south of Tulia, lat. 34°24', long. 101°49'. Used drilled irrigation well, diameter 16 inches, depth 167 feet. Records available: 1947-49. Mar. 12, 1947, 100.04; Mar. 1, 1948, 101.00; Feb. 22, 1949, 101.51.

418. O. Milner. NW corner NW $\frac{1}{4}$  sec. 93, blk. M11, 15 miles southwest of Tulia, lat. 34°22', long. 101°57'. Used drilled irrigation well, diameter 26 inches, depth 210 feet. Records available: 1937, 1943, 1946, 1948-49.

Oct. 6, 1937	74.73	Feb. 27, 1946	78.01	Feb. 23, 1949	82.21
July 15, 1943	75.82	Feb. 28, 1948	80.86		

421. A. V. Perryman. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. K3, 19.5 miles southwest of Tulia, lat. 34°19', long. 101°59'. Records available: 1942-49. Feb. 23, 68.58.

429. Clifton Reed. NW corner strip sec. 66, J. A. Ward survey, 5.5 miles west of Kress, lat. 34°41', long. 101°50'. Records available: 1937, 1939-49. Feb. 22, 108.38.

433. E. E. Cox. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, blk. K, 9.5 miles southwest of Tulia, lat. 34°24', long. 101°29'. Used drilled irrigation well, diameter 16 inches, depth 265 feet. Records available: 1947-49. Mar. 12, 1947, 102.53; Mar. 1, 1948, 102.90; Feb. 22, 1949, 102.79.

438. Frederick Rousser. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. K, 11 miles southwest of Tulia, lat. 34°23', long. 101°51'. Used drilled irrigation well, diameter 14 inches, depth 214 feet. Records available: 1947-49. Mar. 13, 1947, 111.40; Feb. 28, 1948, 114.29; Feb. 22, 1949, 118.20.

448. C. A. Davis. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, blk. C4, 12.5 miles southwest of Tulia, lat. 34°21', long. 101°49'. Used drilled irrigation well. Records available: 1947-49. Mar. 13, 1947, 85.67; Feb. 28, 1948, 85.09; Feb. 22, 1949, 87.83.

480. R. Q. Silverthorne. NE corner NW $\frac{1}{4}$  sec. 35, blk. K, 16.5 miles southwest of Tulia, lat. 34°20', long. 101°56'. Used drilled irrigation well, diameter 14 inches, depth 203 feet. Records available: 1947-49. Mar. 21, 1947, 74.53; Feb. 28, 1948, 76.43; Feb. 23, 1949, 77.69.

498. J. F. Benefield. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, blk. M11, 12 miles west of Tulia, lat. 34°30', long. 101°58'. Used drilled irrigation well, diameter unknown, depth 200 feet. Records available: 1947-49. Mar. 21, 1947, 94.84; Mar. 1, 1948, 94.71; Feb. 23, 1949, 95.67.

507. Clyde Bradford. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. M8, 8.5 miles northwest of Tulia, lat. 34°37', long. 101°52'. Used drilled irrigation well, diameter unknown, depth 195 feet. Records available: 1947-49. Mar. 21, 1947, 82.30; Mar. 3, 1948, 83.45; Feb. 23, 1949, 83.80.

702. Charles T. Herring. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 112, blk. A, 10.5 miles southeast of Tulia, lat. 34°31', long. 101°34'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1943, 1947-49. May 15, 1943, 39.10; Mar. 17, 1947, 40.34; Mar. 2, 1948, 41.40; Feb. 28, 1949, 41.78.
704. C. L. Gunter. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 117, blk. A, 9.5 miles southeast of Tulia, lat. 34°28', long. 101°36'. Used drilled irrigation well. Records available: 1947-49. Mar. 14, 1947, 38.42; Feb. 26, 1948, 39.26; Feb. 28, 1949, 40.56.
705. C. L. Gunter. SE corner SE $\frac{1}{4}$  sec. 117, blk. A, 10.5 miles southeast of Tulia, lat. 34°28', long. 101°35'. Used drilled irrigation well, diameter 16 inches, depth 171 feet. Records available: 1947-49. Mar. 14, 1947, 47.84; Feb. 26, 1948, 53.64; Feb. 28, 1949, 56.13.
707. H. M. Solomon. NE corner NE $\frac{1}{4}$  sec. 18, blk. A, 10.5 miles southeast of Tulia, lat. 34°28', long. 101°35'. Used drilled irrigation well, diameter 16 inches, depth 135 feet. Records available: 1947-49. Mar. 10, 1947, 47.84; Feb. 26, 1948, 52.10; Feb. 28, 1949, 54.81.
709. J. G. Johnson. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 95, blk. A, 13.5 miles southeast of Tulia, lat. 34°28', long. 101°32'. Used drilled irrigation well, diameter 16 inches, depth 179 feet. Records available: 1947-49. Mar. 14, 1947, 62.92; Mar. 2, 1948, 85.48; Mar. 3, 1949, 88.03.
743. F. P. Ham. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 74, blk. B2, 17 miles southeast of Tulia, lat. 34°23', long. 101°31'. Used drilled irrigation well, diameter unknown, depth 162 feet. Records available: 1947-49. Mar. 14, 1947, 53.53; Feb. 23, 1948, 55.18; Mar. 3, 1949, 56.94.
806. L. B. LeMaster. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, blk. W1, 1.75 miles southeast of Tulia, lat. 34°30', long. 101°45'. Used drilled irrigation well, diameter 15 inches, depth 168 feet. Records available: 1947-49. Mar. 14, 1947, 61.31; Feb. 26, 1948, 62.48; Feb. 24, 1949, 63.38.
815. Roy Stockett. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, blk. M13, 6.5 miles southeast of Tulia, lat. 34°27', long. 101°43'. Used drilled irrigation well. Records available: 1947-49. Mar. 14, 1947, 66.49; Mar. 11, 1948, 69.00; Feb. 24, 1949, 72.12.
821. W. Boston. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, blk. M13, 8 miles south of Tulia, lat. 34°25', long. 101°47'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 12, 1947, 86.20; Feb. 28, 1948, 87.88; Feb. 22, 1949, 91.88.
858. W. Sorelle. NE corner NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 41, blk. M13, 9 miles south of Tulia, lat. 34°24', long. 101°44'. Used drilled irrigation well, diameter 16 inches, depth 200 feet. Records available: 1947-49. Mar. 13, 1947, 60.62; Feb. 23, 1948, 70.36; Feb. 24, 1949, 71.65.
889. A. A. Boling. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 38, blk. M14, 11 miles southeast of Tulia, lat. 34°23', long. 101°40'. Used drilled irrigation well. Records available: 1947-49. Mar. 13, 1947, 75.98; Feb. 23, 1948, 76.88; Feb. 24, 1949, 79.28.
895. J. S. Vars. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, blk. M15, 5.5 miles southeast of Tulia, lat. 34°28', long. 101°42'. Used drilled irrigation well, diameter 16 inches, depth 211 feet. Records available: 1947-49. Mar. 14, 1947, 56.56; Feb. 26, 1948, 57.90; Mar. 3, 1949, 59.73.
896. Roy Stockett. NW corner NE $\frac{1}{4}$  sec. 16, blk. M15, 5.5 miles southeast of Tulia, lat. 34°28', long. 101°42'. Used drilled irrigation well, diameter 16 inches, depth 202 feet. Records available: 1947-49. Mar. 14, 1947, 55.23; Feb. 26, 1948, 56.18; Mar. 3, 1949, 58.43.
932. Harry Chenoweth. SW corner SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, blk. K2, 9 miles southwest of Tulia, lat. 34°26', long. 101°53'. Used drilled irrigation well, diameter 14 inches, depth 270 feet. Records available: 1947-49. Mar. 15, 1947, 95.87; Mar. 1, 1948, 98.80; Feb. 22, 1949, 101.36.

935. F. L. Lemley. SW corner SW $\frac{1}{4}$  sec. 5, blk. K, 9.5 miles southwest of Tulia, lat. 34°25', long. 101°50'. Used drilled irrigation well, diameter unknown, depth 208 feet. Records available: 1947-49. Mar. 12, 1947, 87.21; Mar. 1, 1948, 90.20; Feb. 22, 1949, 92.53.

936. F. L. Lemley. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, blk. K, 8.5 miles southwest of Tulia, lat. 34°25', long. 101°50'. Used drilled irrigation well, diameter 16 inches, depth 210 feet. Records available: 1947-49. Mar. 12, 1947, 92.68; Mar. 1, 1948, 96.12; Feb. 22, 1949, 98.68.

947. Otis Harman. NW corner NW $\frac{1}{4}$  sec. 23, blk. M11, 7 miles southwest of Tulia, lat. 34°29', long. 101°52'. Used drilled irrigation well, diameter 14 inches, depth 243 feet. Records available: 1947-49. Mar. 15, 1947, 80.40; Mar. 1, 1948, 81.60; Feb. 23, 1949, 82.06.

#### Terry County

16. Challis Baptist Church. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 64, blk. 4X, 5.4 miles southwest of Meadow, lat. 33°16', long. 102°14'. Measurement resumed. Records available: 1937-44, 1949. Mar. 31, 87.00.

17a. Mr. Watkins. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, blk. 4X, 2 miles southwest of Meadow, lat. 33°18', long. 102°14'. Measurement resumed. Records available: 1938-40, 1943-44, 1949. Mar. 31, 83.82.

21a. Mr. Crump. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, blk. 4X, 1 mile north of Meadow, lat. 33°21', long. 102°12'. Measurement resumed. Records available: 1939-44, 1949. Mar. 31, 60.52.

#### Travis County

261. H. C. Warren. 13 miles north of State Capitol in Austin, lat. 30°17', long. 97°41'. Records available: 1940-46, 1948-49. Feb. 9, 225.80; May 17, 223.46; Aug. 3, 225.44; Nov. 10, 225.79.

866. J. D. Dillingham. 12 miles north of State Capitol in Austin, lat. 30°26', long. 97°41'. Records available: 1940-46, 1948-49. Feb. 9, 241.58; May 17, 240.73; Aug. 3, 241.58; Nov. 10, 241.49.

280. Travis County. 9.5 miles north of State Capitol in Austin, lat. 30°24', long. 97°42'. Records available: 1939-46, 1948-49. Feb. 9, 16.91; May 17, 8.71; Aug. 3, 14.34; Nov. 28, 19.89.

284. Robinson Bros. 8.5 miles north of State Capitol in Austin, lat. 30°23', long. 97°43'. Records available: 1940-46, 1948-49. Feb. 9, 173.10; May 17, 172.75; Aug. 3, 173.05; Nov. 10, 176.45.

318. R. R. Sansom. 7.5 miles northeast of State Capitol in Austin, lat. 30°21', long. 97°40'. Records available: 1940-46, 1948. Measurement discontinued.

322. John Teagle. 5.5 miles northeast of State Capitol in Austin, lat. 30°21', long. 97°41'. Records available: 1940-46, 1948-49. Feb. 9, 178.34; Apr. 22, 178.14; Aug. 2, 177.70; Nov. 10, 177.96.

323. Fred Parsons. 5.75 miles northeast of State Capitol in Austin, lat. 30°20', long. 97°41'. Records available: 1940-46, 1948-49. Feb. 9, 93.81; Apr. 22, 94.40; Aug. 2, 93.77; Nov. 10, 94.60.

327. Walling Estate. 4.5 miles northeast of State Capitol in Austin, lat. 30°19', long. 97°42'. Records available: 1940-46, 1948-49. Feb. 9, 179.00; Apr. 22, 178.95; Aug. 2, 178.98; Nov. 10, 179.67.

328. Walling Estate. 4.5 miles northeast of State Capitol in Austin, lat. 30°19', long. 97°42'. Records available: 1940-46, 1948-49. Feb. 9, 22.40; Aug. 22, 15.32; Aug. 2, 19.70; Nov. 29, 20.05.

331. J. C. Campbell, Jr. 3.75 miles northeast of State Capitol in Austin, lat.  $30^{\circ}19'$ , long.  $97^{\circ}42'$ . Records available: 1940-46, 1948-49. Feb. 9, 90.00; Apr. 22, 96.30; Aug. 2, 118.44; Nov. 29, 114.60.

343. Travis County Water District No. 2. 4.75 miles northeast of State Capitol in Austin, lat.  $30^{\circ}21'$ , long.  $97^{\circ}43'$ . Records available: 1940-46, 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9	176.55	July 26	176.45	Sept. 23	176.80	Nov. 25	176.79
Apr. 22	175.89	Aug. 2	176.56	Oct. 25	177.40	Dec. 22	177.99
July 15	176.16	28	176.58	Nov. 10	176.77		

392. Tom Williams. 7.5 miles north of State Capitol in Austin, lat.  $30^{\circ}23'$ , long.  $97^{\circ}44'$ . Records available: 1940-46, 1948-49. Feb. 11, 16.72; May 17, 14.38.

414. J. R. McElroy. 11 miles north of State Capitol in Austin, lat.  $30^{\circ}25'$ , long.  $97^{\circ}45'$ . Records available: 1940-46, 1948-49. Feb. 11, 39.58; May 17, 39.40; Aug. 3, 39.49; Nov. 28, 39.64.

460. Rosa Dellanna. 2 miles southwest of State Capitol in Austin, lat.  $30^{\circ}16'$ , long.  $97^{\circ}46'$ . Records available: 1937, 1941-49.

Feb. 8	85.70	July 24	84.67	Oct. 25	85.09	Nov. 25	85.50
Apr. 22	85.34	Aug. 4	84.03	Nov. 10	84.95	Dec. 22	85.94
July 15	83.86	Sept. 23	86.19				

483. S. N. Allred. 5 miles southwest of State Capitol in Austin, lat.  $30^{\circ}13'$ , long.  $97^{\circ}48'$ . Records available: 1939, 1941-49.

Feb. 27	246.11	June 26	238.67	Sept. 23	245.69	Nov. 25	244.45
Mar. 27	246.78	July 24	239.20	Oct. 25	243.66	Dec. 22	245.23
Apr. 23	245.13						

502. H. S. Lawson heirs. 6.5 miles south of State Capitol in Austin, lat.  $30^{\circ}11'$ , long.  $97^{\circ}46'$ . Records available: 1937-49.

Jan. 31	12.62	Apr. 23	7.54	July 24	10.83	Oct. 25	10.37
Feb. 27	10.05	May 21	7.70	Aug. 28	12.43	Nov. 25	14.20
Mar. 27	9.52	June 26	9.43	Sept. 23	13.59	Dec. 22	12.13

527. Sarah Moore. About 100 yards south of Cedar Valley post office. lat.  $30^{\circ}13'$ , long.  $97^{\circ}57'$ . Records available: 1937-49.

Jan. 31	16.29	Apr. 23	3.66	July 24	4.91	Oct. 25	6.54
Feb. 27	4.69	May 21	4.32	Aug. 28	5.11	Nov. 25	8.10
Mar. 27	4.59	June 26	4.92	Sept. 23	5.18	Dec. 22	8.17

616. J. R. Moore. 14.5 miles west of State Capitol in Austin. lat.  $30^{\circ}14'$ , long.  $97^{\circ}55'$ . Records available: 1938-46, 1948. No measurement made in 1949.

618. Homer Heep. About 50 feet east of U. S. Highway 81, 1 mile north of Travis-Hays County line, lat.  $30^{\circ}06'$ , long.  $97^{\circ}48'$ . Records available: 1938-49.

Jan. 31	21.88	Apr. 23	16.42	July 24	18.61	Oct. 25	22.67
Feb. 27	19.06	May 21	14.00	Aug. 28	22.43	Nov. 25	23.69
Mar. 27	19.65	June 26	17.10	Sept. 23	23.94	Dec. 22	22.52

619. United Gas Pipe Line Co. At Buda pump station, 3 miles north-east of Buda, lat.  $30^{\circ}05'$ , long.  $97^{\circ}47'$ . Land-surface datum is 735.98 feet above mean sea level. Records available: 1943-49.

Jan. 21	175.66	Apr. 23	175.09	July 24	170.09	Oct. 25	171.35
Feb. 27	176.48	May 21	172.92	Aug. 28	170.45	Nov. 25	172.48
Mar. 27	175.91	June 26	170.38	Sept. 23	170.31	Dec. 22	173.57

687. Mrs. Elizabeth Gentsch. 5 miles southwest of State Capitol in Austin, lat. 30°13', long. 97°47'. Records available: 1939, 1941-46, 1948-49. Feb. 8, 222.55; Apr. 22, 202.14; Aug. 5, 216.70; Nov. 10, 219.94.

884. H. A. Townsley. 7.5 miles northwest of Creedmoor, lat. 30°09', long. 97°19'. Measurement discontinued. Records available: 1941-49. Feb. 10, 210.54, Apr. 22, 187.40, Aug. 5, 203.50.

890. C. H. Bird. Formerly owned by Russell C. Faulkner. 6 miles northwest of Creedmoor, lat. 30°08', long. 97°48'. Records available: 1937-38, 1941-46, 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 10	16.90	July 24	16.55	Sept. 23	17.02	Nov. 29	15.51
Apr. 20	17.20	Aug. 5	16.49	Oct. 25	15.05	Dec. 22	15.82
July 15	16.36	28	15.00	Nov. 25	15.06		

892. Russell C. Faulkner. 6 miles northwest of Creedmoor, lat. 30°08', long. 97°48'. Records available: 1941-46, 1949.

Date	Water level	Date	Water level	Date	Water level
Aug. 6, 1948	118.40	Apr. 22, 1949	109.05	Nov. 10, 1949	108.35
Feb. 10, 1949	114.92	Aug. 5	99.32		

895. Joe C. Carrington. 5 miles northwest of Creedmoor, lat. 30°08', long. 97°47'. Measurement discontinued after Oct. 25. Records available: 1941-49.

July 15	69.70	Aug. 28	69.25	Oct. 25	68.27
24	73.61	Sept. 23	68.93		

#### Uvalde County

H-2-4. H. I. Holmes. 13.7 miles north of Uvalde, lat. 29°23', long. 99°42'. Records available: 1929-49.

Jan. 7	178.38	Aug. 29	147.12	Dec. 19	147.56
Apr. 14	168.75	Nov. 2	146.90		

H-2-5. Mrs. W. E. Fitzgerald. 18 miles north of Uvalde, lat. 29°27', long. 99°40'. Records available: 1929-49.

Jan. 7	92.94	Apr. 14	55.95	Nov. 2	55.15
Mar. 8	48.98	Aug. 29	55.30	Dec. 19	57.54

H-4-6. Briscoe, Fenley & Spangler. 4.5 miles northwest of Uvalde, lat. 29°14', long. 99°51'. Records available: 1929-42, 1944-49.

Jan. 8	79.80	Apr. 14	71.19	Nov. 2	65.52
Mar. 9	76.32	Aug. 29	67.00	Dec. 19	65.30

H-4-28. J. R. Ingraham. 7.2 miles west of Uvalde, lat. 29°12', long. 99°54'. Records available: 1929-33, 1935-49. Jan. 7, 26.15; Apr. 14, 13.86; Aug. 29, 12.88; Dec. 20, 16.45.

H-4-34. John Rosenow. 13.5 miles northwest of Uvalde, lat. 29°15', long. 98°58'. Records available: 1939-49.

Jan. 7	174.30	Apr. 14	160.96	Nov. 2	156.01
Mar. 8	164.60	Aug. 29	157.44	Dec. 20	156.28

H-4-35. John Rosenow. 12.4 miles west of Uvalde, lat. 29°16', long. 99°59'. Records available: 1939-45, 1947-49. Nov. 2, 55.92.

H-5-1. City of Uvalde. 2 blocks south of Uvalde County courthouse, lat. 29°12', long. 99°46'. Land-surface datum is 904.85 feet above mean sea level. Records available: 1929-32, 1934-49.

H-5-1--Continued.

Daily noon water level, from recorder charts

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.58	45.22	44.76	41.86	39.71	38.45	37.34	36.87	36.35	35.36	34.34	.....
2	44.40	45.24	44.65	41.77	39.66	38.45	37.31	36.92	36.33	35.30	34.31	.....
3	44.44	45.25	44.55	.....	39.61	38.46	37.20	36.97	36.30	35.31	34.30	.....
4	44.49	45.27	44.41	.....	39.56	38.45	37.13	37.03	36.38	35.27	34.26	.....
5	44.52	45.29	44.30	.....	39.50	38.44	37.10	37.03	36.27	35.27	34.25	.....
6	44.57	45.31	44.19	.....	39.44	38.41	37.12	36.96	36.27	35.26	34.22	.....
7	44.60	45.34	44.11	.....	39.37	38.36	37.11	36.90	36.26	35.23	34.19	.....
8	44.63	45.37	43.97	.....	39.30	38.29	37.11	36.81	36.25	35.21	.....	.....
9	44.67	45.40	43.85	.....	39.29	38.20	37.12	36.80	36.25	35.20	.....	.....
10	44.71	45.43	43.79	.....	39.20	38.14	37.11	36.75	36.14	35.20	.....	33.86
11	44.75	45.46	43.67	.....	39.15	38.08	37.08	36.72	36.01	35.20	.....	33.85
12	44.77	45.48	43.58	.....	39.11	37.98	37.10	36.69	35.97	35.18	.....	33.98
13	44.80	45.50	43.46	.....	39.07	37.72	37.08	36.69	35.94	35.15	.....	33.88
14	44.81	45.56	43.35	.....	39.04	37.72	37.12	36.65	35.90	35.14	.....	33.97
15	44.83	45.60	43.28	.....	38.96	37.69	37.07	36.64	35.89	35.12	.....	33.85
16	44.85	45.64	43.17	40.86	38.86	37.66	37.02	36.61	35.80	35.10	.....	33.83
17	44.86	45.67	43.10	40.76	38.81	37.65	36.94	36.58	35.72	35.10	.....	33.80
18	44.89	45.70	43.03	40.73	38.79	37.60	36.90	36.50	35.69	35.10	.....	33.80
19	44.92	45.72	42.94	40.63	38.75	37.48	36.90	36.50	35.66	35.11	.....	33.78
20	44.94	45.75	42.83	40.55	38.70	37.38	36.91	36.48	35.60	35.10	.....	33.76
21	44.96	45.79	42.83	40.46	38.67	.....	36.93	36.46	35.55	35.09	.....	33.75
22	44.98	45.77	42.60	40.39	38.61	.....	36.96	36.44	35.53	35.00	.....	33.90
23	44.99	45.76	42.51	40.31	38.60	.....	36.98	36.42	35.50	34.84	.....	33.81
24	45.01	45.64	42.45	40.24	38.60	.....	36.99	36.41	35.49	34.80	.....	33.78
25	45.03	45.46	42.35	40.14	38.59	.....	36.95	36.40	35.41	34.57	.....	33.71
26	45.06	45.25	42.26	40.08	38.54	.....	36.92	36.40	35.41	34.46	.....	33.73
27	45.09	45.05	42.19	40.00	38.51	.....	36.88	36.39	35.40	34.43	.....	33.74
28	45.11	44.89	42.15	39.92	38.51	37.35	36.85	36.36	35.38	34.41	.....	33.77
29	45.14	.....	42.10	39.85	38.45	37.33	36.84	36.35	35.37	34.40	.....	33.79
30	45.15	.....	41.97	39.78	38.45	37.35	36.87	36.33	35.37	34.45	.....	33.75
31	45.17	.....	41.97	.....	38.45	.....	36.88	.....	35.36	34.37	.....	33.70

H-5-22. Jack Dean. 2 miles north of Uvalde, lat. 29°14', long. 99°47'.  
Records available: 1929-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 7	73.00	Apr. 14	69.02	Nov. 2	61.74
Mar. 7	72.21	Aug. 29	63.78	Dec. 19	61.19

H-5-26. George Kennedy. 7.2 miles northeast of Uvalde, lat. 29°18', long. 99°43'. Records available: 1929-38, 1940-44, 1946-49.

Jan. 7	178.10	Apr. 14	173.22	Nov. 2	164.21
Mar. 8	173.65	Aug. 29	166.07	.....	.....

H-5-51. O. T. Caldwell. 2.5 miles southwest of Uvalde, lat. 29°09', long. 99°49'. Records available: 1929-49.

Jan. 7	47.12	Apr. 14	45.25	Nov. 2	39.87
Mar. 9	47.34	Aug. 29	41.74	Dec. 19	39.50

H-6-8. K. K. Woodley. 1.5 miles east of Knippa, lat. 29°18', long. 99°36'. Records available: 1929-33, 1935-49. Jan. 6, 70.50; Apr. 12, 70.31; Aug. 26, 70.10; Dec. 19, 68.60.

H-6-10. Herbert Stevens. 3 miles west of Sabinal, lat. 29°18', long. 99°30'. Records available: 1929-33, 1935-44, 1946-49. Jan. 6, 67.14; Apr. 12, 67.44; Aug. 25, 66.44; Dec. 19, 66.08.

H-6-16. Cecil Reagan. 3 miles southeast of Knippa, lat. 29°15', long. 99°35'. Records available: 1929-34, 1936-38, 1940-44, 1946-49.

Jan. 6	191.20	Aug. 26	179.02	Dec. 19	175.59
Apr. 13	186.31	Nov. 1	177.74	.....	.....

H-8-63. Uvalde County Public School. 6.4 miles southeast of Uvalde, lat. 29°08', long. 99°42'. Records available: 1945-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	33.85	May 10	31.25	Aug. 10	32.16	Oct. 29	31.74
Mar. 7	31.58	June 15	31.64	Sept. 22	32.30	Nov. 29	31.54
Apr. 18	31.37	July 17	31.99				

XU-9. Frank Kirchgraber. 16.5 miles west of Uvalde, lat. 29°14', long. 100°02'. Records available: 1937-49. Jan. 8, 65.46; Apr. 14, 56.94; Aug. 29, 57.39; Dec. 20, 57.92.

XU-10. Texas & New Orleans Railroad Co. At Cline, lat. 29°14', long. 100°04'. Records available: 1937-49. Jan. 8, 49.70; Apr. 14, 42.51; Aug. 29, 38.76; Dec. 20, 38.93.

#### Val Verde County

XV-2. Otto Koog. 2.8 miles east of Del Rio, lat. 29°22', long. 100°51'. Records available: 1937-44, 1946-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 8	79.40	Apr. 14	70.10	Dec. 20	67.35
Mar. 8	72.43	Aug. 27	71.85		

XV-3. Patricio Confreres. 1.5 miles east of Del Rio, lat. 29°22', long. 100°52'. Records available: 1937-49.

Date	Water level	Date	Water level	Date	Water level
Jan. 8	40.09	Apr. 14	37.31	Dec. 20	36.86
Mar. 8	37.46	Aug. 27	36.80		

#### Waller County

152. Mr. Meyers. 1.5 miles east of Prairie View railroad station, lat. 30°04', long. 95°59'. Records available: 1937-40, 1942-49. Dec. 16, 2.93.

223. T. B. Tucker. 6.75 miles northwest of Katy, lat. 29°52', long. 95°53'. Records available: 1931, 1933, 1939-49. Jan. 25, 68.08; Mar. 8, 66.45; Nov. 28, 70.14.

225. L. E. Morrison well 2. 6 miles northwest of Katy, lat. 29°50', long. 95°53'. Records available: 1940-49. Mar. 8, 72.39; Nov. 28, 80.15.

235. John Cope. 2 miles west of Katy, lat. 29°46', long. 95°51'. Records available: 1931, 1933, 1939-49. Jan. 25, 67.37; Mar. 8, 66.80; Dec. 1, 69.07.

239. Lyn Hebert. 12 miles northwest of Katy, lat. 29°55', long. 95°56'. Records available: 1941-49. Jan. 25, 68.37; Mar. 8, 63.97; Nov. 28, 74.62.

240. B. Ray Woods well 3. 6 miles west of Katy, lat. 29°47', long. 95°55'. Records available: 1940-46, 1948-49. Mar. 8, 62.09; Nov. 28, 63.63.

242. Robichaux & Thompson. 8 miles northwest of Katy, lat. 29°50', long. 95°57'. Records available: 1941-49. Mar. 8, 63.09; Nov. 28, 68.00.

245. G. P. Nelson well 2. 10 miles northwest of Katy, lat. 29°52', long. 95°57'. Records available: 1941-49. Mar. 8, 67.40; Nov. 28, 69.11.



246. A. E. Thompson well 2. 8.5 miles northwest of Katy, lat.  $29^{\circ}53'$ , long.  $95^{\circ}54'$ . Records available: 1940-46, 1948-49. Mar. 8, 60.93; Nov. 28, 65.90.

247. T. B. Tucker well 5. 6.5 miles northwest of Katy, lat.  $29^{\circ}51'$ , long.  $95^{\circ}53'$ . Records available: 1939-49. Mar. 8, 67.87; Nov. 28, 72.23.

252. J. A. Kimball. 2.25 miles northwest of Katy, lat.  $29^{\circ}48'$ , long.  $95^{\circ}50'$ . Records available: 1940-49. Jan. 20, 68.79; Mar. 7, 68.42; Nov. 29, 70.47.

#### Wharton County

1. Bob Ragsdale. Formerly owned by Otto Michelson. 18.5 miles west of El Campo, lat.  $29^{\circ}15'$ , long.  $96^{\circ}34'$ . Records available: 1940-47, 1949. Mar. 22, 40.71.

8. Lester Glaze. About 0.7 mile west of Round Mott School, 12 miles west of El Campo, lat.  $29^{\circ}13'$ , long.  $96^{\circ}28'$ . Records available: 1935, 1938-49. Mar. 22, 39.85.

31. H. F. Sharp. Formerly owned by Tom Thomas. 9.5 miles west of El Campo, lat.  $29^{\circ}11'$ , long.  $96^{\circ}25'$ . Records available: 1934-35, 1938-49. Mar. 22, 28.77.

32. Harfst Bros. 6.5 miles west of El Campo, lat.  $29^{\circ}13'$ , long.  $96^{\circ}22'$ . Records available: 1934-35, 1938-49. Mar. 22, 31.78.

33. Harfst Bros. 8.5 miles northwest of El Campo, lat.  $29^{\circ}17'$ , long.  $96^{\circ}22'$ . Records available: 1934-35, 1938-42, 1946, 1949. Mar. 22, 39.71.

57. W. A. Harrison. 7 miles northwest of Wharton, lat.  $29^{\circ}23'$ , long.  $96^{\circ}10'$ . Records available: 1934, 1941-49. Mar. 21, 14.64.

66. J. J. Pendegrass. 2.5 miles west of Bonus and 16.5 miles northwest of Wharton, lat.  $29^{\circ}28'$ , long.  $96^{\circ}18'$ . Records available: 1940-49. Mar. 21, 23.20.

70a. J. J. Vacek. 3.2 miles west of East Bernard and 14.5 miles north of Wharton, lat.  $29^{\circ}31'$ , long.  $96^{\circ}06'$ . Records available: 1935, 1938-49. Mar. 21, 9.59.

81. William J. Corman. In Lissie, lat.  $29^{\circ}33'$ , long.  $96^{\circ}13'$ . Records available: 1940-45, 1947-49. Mar. 21, 21.06.

84. Fred Potjek. 5 miles west of East Bernard, lat.  $29^{\circ}32'$ , long.  $96^{\circ}09'$ . Records available: 1940-49. Mar. 21, 21.26.

96. Frank Bucek. 8 miles north of Wharton, lat.  $29^{\circ}25'$ , long.  $96^{\circ}04'$ . Records available: 1934-35, 1938-49. Mar. 21, 22.25.

108. City of Wharton. In Wharton, lat.  $29^{\circ}18'$ , long.  $96^{\circ}06'$ . Records available: 1934-36, 1938-48. No measurement made in 1949.

109. City of Wharton. In Wharton, lat.  $29^{\circ}18'$ , long.  $96^{\circ}06'$ . Records available: 1934-35, 1937-49. Mar. 23, 29.18.

148. Central Power & Light Co. In El Campo, lat.  $29^{\circ}11'$ , long.  $96^{\circ}16'$ . Records available: 1941-47. No measurement made in 1949.

165. H. P. Stockton. 1.4 miles northwest of Louise and 10.5 miles southwest of El Campo, lat.  $29^{\circ}06'$ , long.  $96^{\circ}25'$ . Records available: 1934-35, 1938-49. Mar. 22, 26.04.

173. Stoval & Appling. 8.5 miles southwest of Danevang and 13.5 miles south of El Campo, lat.  $29^{\circ}00'$ , long.  $96^{\circ}20'$ . Records available: 1934-35, 1938-47, 1949. Mar. 23, 13.63.

178. Adrian Johnson. 5 miles northwest of Danevang and 8 miles south of El Campo, lat.  $29^{\circ}04'$ , long.  $96^{\circ}17'$ . Records available: 1934-35, 1938-47, 1949. Mar. 28, 21.39.

181. C. C. Appling. 7 miles south of El Campo, lat.  $29^{\circ}05'$ , long.  $96^{\circ}15'$ . Records available: 1934-35, 1938-49. Mar. 23, 28.47.

186. Otto Mickelson. 7.5 miles south of El Campo, lat.  $29^{\circ}05'$ , long.  $96^{\circ}13'$ . Records available: 1935, 1938-49. Mar. 23, 18.20.

200. J. L. Myatt. 9 miles south of El Campo, lat.  $29^{\circ}04'$ , long.  $96^{\circ}16'$ . Records available: 1940-47, 1949. Mar. 23, 23.85.

209. J. C. Allen. 7 miles southeast of El Campo, lat.  $29^{\circ}08'$ , long.  $96^{\circ}10'$ . Records available: 1934-35, 1938-47, 1949. Mar. 23, 14.01.

239. Gulf, Colorado & Santa Fe Railway Co. 2.5 miles southeast of Boling, and 12.5 miles southeast of Wharton, lat.  $29^{\circ}13'$ , long.  $95^{\circ}55'$ . Records available: 1934-35, 1938-47, 1949. Mar. 27, 17.30.

241. Texas Gulf Sulphur Co. At New Gulf, 400 feet northeast of timekeepers office, lat.  $29^{\circ}15'$ , long.  $95^{\circ}53'$ . Records available: 1934-35, 1937-49.

#### Williamson County

342. McCann Estate. 5 miles southwest of Georgetown, lat.  $30^{\circ}33'$ , long.  $97^{\circ}42'$ . Records available: 1941-43, 1945, 1948-49. Apr. 23, 36.68; Sept. 7, 39.34; Nov. 28, 39.40.

344. W. O. Garrison. Formerly owned by Victor Robertson. 5 miles southwest of Georgetown, lat.  $30^{\circ}33'$ , long.  $97^{\circ}41'$ . Records available: 1940-46, 1948-49. Feb. 9, 119.26; Apr. 23, 116.09; Sept. 7, 117.77; Nov. 28, 120.08.

346. F. C. Martiness. Formerly owned by Jack Gillam. 4 miles southwest of Georgetown, lat.  $30^{\circ}34'$ , long.  $97^{\circ}41'$ . Records available: 1940-46, 1948-49. Feb. 9, 135.89; Sept. 7, 134.30; Nov. 28, 135.65.

353. Walter Thwing. 2.25 miles south of Georgetown, lat.  $30^{\circ}36'$ , long.  $97^{\circ}41'$ . Records available: 1940-46, 1948-49. Feb. 9, 128.46; Apr. 22, 126.10; Sept. 7, 126.88; Nov. 28, 127.88.

418. Henry Hartman. Formerly owned by Eubanks Estate. 1.5 miles south of Georgetown, lat.  $35^{\circ}36'$ , long.  $97^{\circ}40'$ . Records available: 1940-43, 1945, 1948-49. Feb. 9, 99.07; Sept. 7, 99.10; Nov. 28, 99.80.

420. Mrs. Juanita Fleezer. 0.75 mile southwest of Georgetown, lat.  $30^{\circ}37'$ , long.  $97^{\circ}41'$ . Measurements discontinued after Apr. 23. Records available: 1940-46, 1948-49. Feb. 9, 85.04; Apr. 23, 59.89.

889. R. T. Love. 2.5 miles west of Round Rock. lat.  $30^{\circ}32'$ , long.  $97^{\circ}41'$ . Records available: 1940-46, 1948-49. Feb. 9, 85.04; Apr. 23, 89.89.

922. R. R. Stolley. 1.25 miles south of Round Rock, lat.  $39^{\circ}29'$ , long.  $97^{\circ}40'$ . Records available: 1940-46, 1948-49. Feb. 9, 136.98; May 17, 125.85; Sept. 7, 136.72.

#### Zavala County

H7-13. Roy Cornett. 4.25 miles north of La Pryor, lat.  $29^{\circ}00'$ , long.  $99^{\circ}51'$ . Used drilled stock well, diameter 10 inches, depth 172 feet. Land-surface datum is 787.54 feet above mean sea level. Records available: 1929, 1948-49. Nov. 7, 1929, 113.3; Sept. 15, 1948, 135.50; Aug. 10, 1949, 137.42.

H7-20. W. A. Butler. 5.5 miles north of La Pryor, lat. 29°01', long. 99°50'. Records available: 1929-33, 1938-42, 1944-49. Aug. 10, 75.95.

H8-68. A. D. Walker. 4.25 miles northeast of La Pryor, lat. 29°00', long. 96°48'. Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	62.10	May 10	58.27	Aug. 10	58.75	Oct. 29	57.91
Mar. 7	59.10	June 15	58.22	Sept. 22	57.92	Nov. 29	58.13
Apr. 18	58.37	July 17	58.44				

M3-29. Hal Mangum. 12 miles west of La Pryor, lat. 28°55', long. 100°03'. Land-surface datum is 755.15 feet above mean sea level. Records available: 1930, 1932-33, 1936-38, 1946-49. Aug. 10, 97.94.

M6-10. W. M. Van Cleve. 7.5 miles northwest of Cometa, lat. 28°45', long. 100°04'. Land-surface datum is 651.65 feet above mean sea level. Records available: 1930-34, 1936-46, 1948-49. Aug. 10, 96.34.

M6-16. J. S. Steward. 6 miles northwest of Cometa, lat. 28°44', long. 100°02'. Land-surface datum is 626.55 feet above mean sea level. Records available: 1930-40, 1942-49. Aug. 11, 51.72.

M6-16a. J. S. Steward. 14.75 miles northwest of Crystal City, lat. 28°44', long. 100°02'. Used drilled domestic and stock well. Records available: 1947, 1948-49. July 23, 1947, 61.40; Sept. 16, 1948, 71.72; Aug. 11, 1949, 71.70.

M6-18. N. E. Ware. 4 miles northeast of Cometa, lat. 28°42', long. 100°02'. Land-surface datum is 612.20 feet above mean sea level. Records available: 1930-49. Aug. 10, 63.99.

M6-19. L. D. Van Cleve. 3 miles northwest of Cometa, lat. 28°40', long. 100°02'. Land-surface datum is 632.05 feet above mean sea level. Records available: 1930-49. Aug. 11, 70.06.

M9-1. T. B. Mear. In Cometa, lat. 28°39', long. 100°00'. Land-surface datum is 632.30 feet above mean sea level. Records available: 1928-34, 1936-49. Aug. 10, 86.32.

N1-24. J. C. Williams. 2.5 miles northwest of La Pryor, lat. 28°57', long. 99°52'. Land-surface datum is 753.70 feet above mean sea level. Records available: 1929-33, 1935-49. Aug. 10, 168.81.

N1-39. R. W. Norton. 8 miles west of La Pryor, lat. 28°56', long. 99°58'. Land-surface datum is 731.50 feet above mean sea level. Records available: 1930-33, 1946-49. Aug. 10, 83.26.

N1-40. I. T. Pryor. 2 miles west of La Pryor, lat. 28°55', long. 99°52'. Land-surface datum is 724.95 feet above mean sea level. Records available: 1930-35, 1937-44, 1946-49. Aug. 10, 162.83.

N1-83. I. T. Pryor, Jr. Formerly owned by San Antonio, Uvalde & Gulf Railroad Co. 0.5 mile southwest of La Pryor, lat. 28°56', long. 99°51'. Records available: 1948-49.

Jan. 20	92.76	May 10	91.83	Aug. 10	92.68	Oct. 29	91.68
Mar. 7	92.41	June 15	92.71	Sept. 22	93.25	Dec. 2	92.50
Apr. 18	93.28	July 17	93.41				

N1-90. Mathews Ranch. 4.5 miles west of La Pryor, lat. 28°56', long. 99°55'. Records available: 1946-49.

Jan. 20	189.86	May 10	170.30	Aug. 10	186.85	Oct. 29	183.70
Mar. 7	183.60	June 15	177.30	Sept. 22	187.48	Dec. 2	196.91
Apr. 18	181.98	July 17	178.46				

N1-92. Mathews Ranch. About 150 feet north of State Highway 76, 7.2 miles west of La Pryor, lat.  $28^{\circ}56'$ , long.  $99^{\circ}57'$ . Records available: 1947-49. Aug. 10, 91.34.

N5-21. A. N. Box. 8 miles northeast of Crystal City, lat.  $28^{\circ}46'$ , long.  $99^{\circ}46'$ . Records available: 1948-49.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	180.55	May 10	125.81	July 17	151.10	Sept. 22	161.46
Mar. 7	164.40	June 16	131.01	Aug. 10	135.07	Oct. 29	152.70
Apr. 18	144.38						

N5-30. Richie Bros. 2.75 miles east of Crystal City, lat.  $28^{\circ}42'$ , long.  $99^{\circ}48'$ . Records available: 1947-49. Aug. 11, 127.13.

N5-39. Richie Bros. Formerly owned by C. R. Jarrett. 2 miles northeast of Crystal City, lat.  $28^{\circ}42'$ , long.  $99^{\circ}48'$ . Land-surface datum is 583.40 feet above mean sea level. Records available: 1929-49. Aug. 11, 129.15.

N5-40. Richie Bros. Formerly owned by C. R. Jarrett. 2.5 miles east of Crystal City, lat.  $28^{\circ}41'$ , long.  $99^{\circ}47'$ . Land-surface datum is 578.74 feet above mean sea level. Records available: 1929-49. June 16, 126.10; Aug. 10, 127.40.

N5-55. Cribbs & Davidson. 2.5 miles east of Crystal City, lat.  $28^{\circ}40'$ , long.  $99^{\circ}47'$ . Land-surface datum is 577.15 feet above mean sea level. Records available: 1929-49. Aug. 11, 123.27.

N5-60. Julius De Winnie. Formerly owned by E. L. Reedy. 4 miles east of Crystal City, lat.  $28^{\circ}41'$ , long.  $99^{\circ}45'$ . Land-surface datum is 582.85 feet above mean sea level. Records available: 1929-33, 1936-41, 1944, 1946-49. Aug. 10, 131.83.





