Water Levels and Artesian Pressure in Observation Wells in the United States in 1946

Part 4. South-Central States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1074

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

UNITED STATES DEPARTMENT OF THE INTERIOR

J. A. Krug, *Secretary*

GEOLOGICAL SURVEY

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Arkansas, Louisiana, Oklahoma, and Texas, and other agencies, by personnel of the Water Resources Division under the direction of:

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INTRODUCTION

By A. N. Sayre and others

Significance of records of water level and artesian pressure

The rock formations of the earth are great natural reservoirs in which a part of the water derived from rain and snow is stored to supply wells and springs and to maintain the flow of streams during periods of fair weather. Water levels in wells register the stages of these natural reservoirs; they show the extent to which water supplies are depleted by drought or by heavy pumping, whether for public waterworks, irrigation, or industrial uses, and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The changes in pressure recorded on flowing wells indicate depletion or replenishment of the artesian reservoirs.

Annual publication of records by Geological Survey

The regular publication of records of water level and artesian pressure in the United States was begun by the Geological Survey in 1935 and has continued yearly since. The records for the entire country were published in a single volume each year through 1939. 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. (See fig. 1.) The following table gives the numbers of these reports. This series of water-supply papers is in a sense an inventory, year by year, of the ground-water supplies of such parts of the country as have been covered.

Water-supply papers on water levels and artesian pressure in observation wells in the United States

Year	North-eastern States	South-eastern States	North-central States	South-central States	North-western States	South-western States and Hawaii
1935	777	777	777	777	777	777
1936	817	817	817	817	817	817
1937	840	840	840	840	840	840
1938	845	845	845	845	845	845
1939	886	886	886	886	886	886
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

Scope of present volume

The present volume covers the south-central States and gives records of water level and artesian pressure in about 1,490 observation wells of the Geological Survey and cooperating agencies in Arkansas, Louisiana, Oklahoma, and Texas. Of these wells, 41 are equipped with automatic water-stage recorders. For some wells not previously reported complete records of water level are given in this volume, including those of the years before 1945. For wells whose previous records have been published this volume gives only the current records. If a complete description of a well has been published in a previous report, only the well number or the well number and a brief identifying description are given in this report. The numbers in parentheses immediately following a well number are those of the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper whose number is so marked. This report includes about 6,800 individual determinations of water level and artesian pressure.

Land-surface datum

Before 1943, in Geological Survey reports, 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. It had been considered inadvisable to adopt a standard procedure in expressing water levels and artesian heads until after a period of trial with datum planes of different kinds. In 1943, however, it was decided that uniform practice should be

adopted. Accordingly, precise datum planes were established approximating the land surface at each well. The water levels and artesian heads for all wells listed in this report are given in reference to land-surface datum planes. If the water levels or artesian heads are referred to land-surface datum for the first time, a conversion factor is given in the descriptive

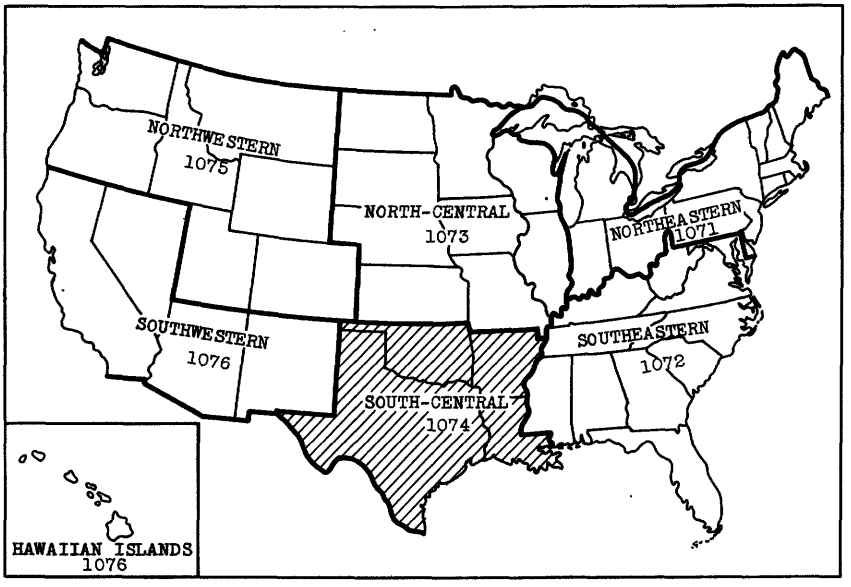


Figure 1.--Outline map of the United States showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1946. The shaded section represents the part of the country covered by this volume.

matter preceding them in order to facilitate comparison of the older and newer records. Wherever the conversion factor is given in earlier reports it is not repeated in this report. New data as to the positions of the measuring point and of the bench marks, in feet above or below land-surface datum planes, will be published in succeeding annual reports.

Network of key observation wells

During 1942 the Geological Survey established a network of key observation wells in order to make available current information on general ground-water conditions over the country. These wells were selected because the fluctuations of water level in them are believed to be typical and they represent the general fluctuations that occur in the parts of the country in which the wells are situated. At the end of 1946 the network

included about 160 wells in 45 States. About 40 of the wells were established expressly for the network in 1942 and about 20 were established in 1943; the other 100 were selected from wells measured regularly in connection with cooperative ground-water investigations. The coverage of the country is still far from adequate, and it is expected that some wells not now included will be added to the network from time to time.

Changes in ground-water level in 1946 in the south-central part of the United States

During 1946 the precipitation in most of the States in the south-central section of the country was above normal. For the five months from June through October, however, precipitation was considerably below normal in Arkansas and Oklahoma. The fluctuations of both water level and artesian pressure in wells depend, however, on many factors besides the amount of precipitation. In certain of the observation wells there are fluctuations caused by differences in the rate of pumping or artesian flow from other wells in the area, but most of the observation wells are not noticeably affected by pumping or artesian flow. A summary of the changes in ground-water level is given in the chapter for each State.

Acknowledgments

Acknowledgments for effective services in the preparation of this water-supply paper are due Mrs. Nauvoo Ragland, Misses Dorothy M. Ireland and Frances Head, and Rodney Hart. Miss Ireland had general charge of the assembling of the several reports and did the editing; Mr. Hart prepared the illustrations; and Mrs. Ragland and Miss Head did the offset typing.

ARKANSAS

GRAND PRAIRIE REGION

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

PROGRAM OF WORK

Measurements of depth to water levels in wells in the Grand Prairie region, were made in the spring of 1946 in cooperation with the State Agricultural Experiment Station and Federal Land Bank of St. Louis. The measurements were made by Professor Kyle Engler and Mr. E. A. Gillman. This is the twentieth successive year in which a well-measurement program has been conducted in this region, the first measurement having been made in September 1927 in cooperation with the Arkansas Geological Survey.

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. A large proportion of the water used for rice irrigation is taken from wells, most of which tap water-bearing material of Quaternary age. A discussion of the conditions affecting the ground-water resources of the region, and an account of the early pumping operations and their effect on the general ground-water level are given in an earlier report.[1/] Later reports bring these records up to date and include the records of other wells as measurements in them are begun. In June 1945 a comprehensive report summarizing all of the work done in the cooperative investigations was published by the University of Arkansas.[2/]

1/ Water levels and artesian pressure in observation wells in the United States in 1935, with statements concerning previous work and results: U. S. Geol. Survey Water-Supply Paper 777, pp. 5-8, 1936.

2/ Engler, Kyle, Thompson, D. G., and Kazmann, R. G., Ground -water supplies for rice irrigation in the Grand Prairie region, Ark.: University of Arkansas, College of Agriculture Bull. 457, 56 pp., June 1945.

FLUCTUATIONS OF WATER LEVEL

The fluctuations of water level 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 changes in atmospheric pressure; this may be as much as 0.8 foot in 24 hours and 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 portion of the region some fluctuation of water levels is probably caused by differences in the stage of the White River.

Changes in water level are also caused by pumping. The water levels tend to stand highest in the spring just before the irrigation pumping commences, then decline during the period of pumping, the rate of decline being fairly large at first, then decreasing. Local differences in water level are caused by local differences in pumping. After pumping ceases the water levels rise, fairly rapidly at first, then at a decreasing rate, and by spring tend to stand near the levels of the previous spring. The trend of water level or artesian head from year to year may be determined by annual measurements made in the spring as late as possible before pumping for irrigation is begun. In some years measurements of water level were made in the fall but then the general trend of water levels may be masked by local irregularities due to differences in pumping. Water levels were not measured in the fall of 1946.

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

Ashley County

A survey of the ground-water resources in Ashley County was started in the spring of 1946, in cooperation with the city of Crossett and the University of Arkansas, Bureau of Research, and a program of annual spring measurements of depth to water levels was inaugurated.

There are three areas in Ashley County where rice is cultivated. The largest area is in Pine Prairie about 8 miles northeast of Hamburg. Another area is about 4½ miles southwest of Hamburg, and the other extends northwest from Hamburg for a distance of about 5 miles. The rice lands irrigated with ground water were increased from 175 acres from 1 well in 1942 to 2,000 acres from 9 wells in 1946.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Arkansas County

280 (*777, pp. 13-14; 817, pp. 4-5; 840, p. 14; 945, pp. 8-9; 886, p. 11; 909, p. 10; 939, pp. 6-7; 947, p. 9; *989, p. 7; 1019, p. 7; 1026, pp. 6-7). Fred Hederich. NW¼NW¼ sec. 3, T. 3 S., R. 5 W., about 0.5 mile south and 1 mile east of Stuttgart. Equipped with automatic water-stage recorder. Comparison of the record for 1946 with the records for previous years may be made by reference to a graph, showing the lowest water level reached each day from August 1928, when the recorder was installed, to the end of 1937. (See Water-Supply Paper 840, p. 9.)

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	94.22	Apr. 8	93.38	July 6	95.65	Oct. 6	95.75
5	93.18	14	93.67	14	97.32	15	95.80
12	94.23	21	93.79	20	98.21	19	95.52
19	93.70	27	93.52	27	98.56	27	95.54
26	93.90	May 4	93.44	Aug. 3	96.41	Nov. 2	95.00
Feb. 3	94.03	11	93.38	11	98.08	10	95.13
10	93.74	18	94.20	18	96.92	17	95.67
17	93.98	25	93.88	26	97.50	24	94.71
24	93.65	June 1	93.61	Sept. 1	97.82	30	95.31
Mar. 3	93.75	9	96.65	8	96.65	Dec. 8	95.33
9	93.91	16	95.44	16	96.65	14	95.18
16	93.21	22	97.59	23	96.12	21	95.20
24	93.71	29	97.15	28	95.88	28	94.92
31	93.81						

The following table gives the highest and lowest water levels reached during the period 1938-46 in feet below land surface. The high stages are due, in part, to extremely low atmospheric pressure. Water levels given in this table 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	94.72	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[a]	97.39	Mar. 1	92.20
1946	Aug. 31	98.90	Mar. 15	93.00

a Erroneously reported as Aug. 25 in Water-Supply Paper 1026.

205 (*777, p. 12; 817, p. 5; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 7; 1026, p. 7). D. F. Fowler. Near NW. corner sec. 4, T. 2 S., R. 5 W. No measurements made in 1946.

210 (*845, p. 10; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8; 1026, p. 7). W. H. Kornbaum. SE¼NE¼ sec. 1, T. 2 S., R. 5 W. No measurements made in 1946.

245 (*909, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8; 1026, p. 7). J. W. Darrough. Near NW. corner sec. 22, T. 2 S., R. 4 W. No measurements made in 1946.

261 (*777, p. 13; 817, p. 5; 886, p. 11; 939, p. 7; 947, p. 8; *989, p. 8; 1019, p. 8; 1026, p. 7). W. M. Trice. SW¼SE¼ sec. 9, T. 2 S., R. 3 W. No measurements made in 1946.

274 (*909, p. 12; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8; 1026, p. 7). W. W. Crum. NW¼ sec. 29, T. 3 S., R. 6 W. Water level, in feet below land-surface datum, 1946: Apr. 25, 63.10.

293 (*845, p. 10; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 9; 1019, p. 8; 1026, p. 7). J. C. Gleason. SW¼NW¼ sec. 12, T. 3 S., R. 5 W., a short distance south of railroad. No measurements made in 1946.

305 (*909, p. 12; 939, p. 7; 947, p. 9; 989, p. 9; 1019, p. 8; 1026, p. 7). Pearl Clow. NW¼NW¼ sec. 32, T. 3 S., R. 5 W. No measurements made in 1946.

311 (*840, p. 18; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 9; 1019, p. 8; 1026, p. 7). W. J. Schrock. NW¼ sec. 5, T. 3 S., R. 4 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 102.93.

318 (*777, p. 15; 817, p. 5; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 9; 1019, p. 8; 1026, p. 8). University of Arkansas. SE¼SE¼ sec. 3, T. 3 S., R. 4 W. Water level, in feet below land-surface datum, 1946: Apr. 29, 88.47.

344 (*840, p. 18; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8; 1026, p. 8). F. T. Hill. NW¼NW¼ sec. 26, T. 3 S., R. 4 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 95.12.

353 (*840, p. 19; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 8; 1026, p. 8). R. L. Mitchell. NE¼SE¼ sec. 6, T. 3 S., R. 3 W. No measurements made in 1946.

355 (*909, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8; 1026, p. 8). W. A. Fehrenbaker. SE¼NE¼ sec. 21, T. 3 S., R. 3 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 75.44.

362 (*909, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8; 1026, p. 8). H. Bothe Estate. NW¼ sec. 22, T. 3 S., R. 2 W. No measurements made in 1946.

364 (*909, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8; 1026, p. 8). J. T. McWilliams. SE¼NE¼ sec. 35, T. 3 S., R. 2 W. No measurements made in 1946.

374A (*886, p. 12; 947, p. 10; 989, p. 9; 1019, p. 8; 1026, p. 8). Charles W. McDougall. NE¼NW¼ sec. 1, T. 4 S., R. 5 W. Water level, in feet below land-surface datum, 1946: Apr. 22, 42.38.

378 (*886, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8; 1026, p. 8). Yeske. Near SE. corner sec. 13, T. 4 S., R. 3 W. Water level, in feet below land-surface datum, 1946: Apr. 22, 89.57.

392A (*777, p. 15; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 8; 1026, p. 8). Fred E. Hillman. SW¼ sec. 1, T. 4 S., R. 4 W. No measurements made in 1946.

412 (*840, p. 19; 845, p. 12; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8; 1026, p. 8). Fred Dupslaff. NW¼ sec. 5, T. 4 S., R. 2 W. No measurements made in 1946.

414 (*840, p. 19; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 8; 1026, p. 8). J. T. McWilliams. Near NE. corner, sec. 11, T. 4 S., R. 2 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 60.47.

415 (*909, p. 14; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 9; 1026, p. 8). J. W. Watkins. SW¼SE¼ sec. 19, T. 4 S., R. 2 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 69.18.

437 (*886, p. 13; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 9; 1026, p. 8). B. L. Williams. Near SW. corner sec. 7, T. 5 S., R. 4 W. No measurements made in 1946.

440 (*845, p. 11; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 9; 1026, p. 8). American Southern Trust Co. SE¼NE¼ sec. 12, T. 5 S., R. 4 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 89.01.

456 (*777, p. 15; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 8). E. W. McCuskey. Near NW. corner NE¼ sec. 16, T. 5 S., R. 3 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 86.19.

457A (*909, p. 15; *939, p. 8; 947, p. 9; 1019, p. 9; 1026, p. 8). Missouri State Insurance Co. (?). SE¼SE¼ sec. 31, T. 5 S., R. 3 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 74.11.

461 (*886, p. 13; 909, p. 11; 939, p. 7; *989, p. 10; 1019, p. 9; 1026, p. 9). Dewitt Bank & Trust Co. NW¼SW¼ sec. 34, T. 5 S., R. 2 W. No measurements made in 1946.

475 (*840, p. 20; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; *989, p. 10; 1019, p. 9; 1026, p. 9). Ben Lowe. SW¼SE¼ sec. 21, T. 6 S., R. 3 W. No measurements made in 1946.

491 (*909, p. 16; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). Cunningham & Felt. Spanish grant 2358, equivalent to sec. 24, T. 7 S., R. 4 W. No measurements made in 1946.

492 (*909, p. 16; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). A. M. Lowe. SE. corner sec. 3, T. 7 S., R. 3 W. Water level, in feet below land-surface datum, 1946: Apr. 23, 43.08.

499 (*777, p. 16; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9; 1026, p. 9). Quandt & Lowe. Spanish grant 2300, equivalent to sec. 27, or 34, T. 7 S., R. 3 W. No measurements made in 1946.

501 (*777, p. 16; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9; 1026, p. 9). W. J. Bohnert. SW¼ (?) sec. 32, T. 7 S., R. 3 W. No measurements made in 1946.

506 (*840, p. 22; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9; 1026, p. 9). J. M. Satchfield. SE¼SW¼ sec. 17, T. 7 S., R. 2 W. No measurements made in 1946.

507 (*777, p. 17; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). J. M. Satchfield. Near SW. corner sec. 16, T. 7 S., R. 2 W. No measurements made in 1946.

514 (*909, p. 17; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9; 1026, p. 9). J. M. Satchfield. SE¼NW¼ sec. 33, T. 7 S., R. 2 W. No measurements made in 1946.

B87 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). W. E. Boyd. Center north side sec. 31, T. 2 S., R. 5 W. No measurements made in 1946.

B91 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). Enders. SE¼ sec. 10, T. 2 S., R. 4 W. Water level, in feet below land-surface datum, 1946: Apr. 25, 85.85.

B110 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). N½ sec. 20, T. 3 S., R. 5 W. No measurements made in 1946.

B133 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). Snow Wilson (Goetz). SW¼NW¼ sec. 21, T. 4 S., R. 5 W. Water level, in feet below land-surface datum, 1946: Apr. 22, 70.65.

B171 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9; 1026, p. 9). South side sec. 13, T. 5 S., R. 3 W. No measurements made in 1946.

B189 (*909, p. 18; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 10; 1026, p. 9). W. J. Bohnert. NW¼ sec. 32, T. 7 S., R. 3 W., on State Highway 1. No measurements made in 1946.

B192 (*909, p. 18; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 10; 1026, p. 9). Sec. 5, T. 8 S., R. 3 W. No measurements made in 1946.

Ashley County

3. F. Harbinson. NE¼SE¼ sec. 16, T. 16 S., R. 6 W. Used drilled irrigation well, diameter 18 inches, depth 137 feet. Equipped with turbine pump. Measuring point, top of casing, 0.2 foot above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 26, 70.42.

5. F. Harbinson. SE¼NE¼ sec. 22, T. 16 S., R. 6 W. Used drilled irrigation well, diameter 18 inches, depth 141 feet. Equipped with turbine pump. Measuring point, top of casing, 1.0 foot above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 26, 68.91.

11. Herbert Davis. SW¼NE¼ sec. 33, T. 16 S., R. 6 W. Used drilled irrigation well, diameter 18 inches, depth 136 feet. Equipped with turbine pump. Measuring point, top of casing, 1.0 foot above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 26, 54.78.

16. Fred Blank. SW¼NE¼ sec. 7, T. 17 S., R. 7 W. Used drilled irrigation well, diameter 18 inches, depth 132 feet. Equipped with turbine pump. Measuring point, top of casing, at land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 23, 68.23.

17. Fred Blank. NW¼SW¼ sec. 10, T. 17 S., R. 7 W. Used drilled irrigation well, diameter 12 inches, depth 128 feet. Equipped with turbine pump. Measuring point, bottom edge of discharge pipe, 8.8 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 23, 67.06.

24. Miller & Harris. SW¼SE¼ sec. 36, T. 17 S., R. 8 W. Used drilled irrigation well, diameter 18 inches, depth 128.5 feet. Equipped with turbine pump. Measuring point, top of casing, 0.5 foot above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 23, 71.02.

33. Miller & Harris. NW¼SE¼ sec. 1, T. 18 S., R. 8 W. Unused drilled well, diameter 24 inches, depth 118 feet. Equipped with automatic water-stage recorder. Measuring point, top of casing, 0.7 foot above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 23, 70.84.

34. Miller & Harris. NW¼SE¼ sec. 1, T. 18 S., R. 8 W. Used drilled irrigation well, diameter 18 inches, depth 128.5 feet. Equipped with turbine pump. Measuring point, top of casing, 0.8 foot above land-surface datum. Water level, in feet below land-surface datum, 1946: Apr. 23, 70.90.

Jefferson County

270 (*840, p. 17; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; 989, p. 11; 1019, p. 10; 1026, p. 9). V. D. Harlin. NW¼ (?) sec. 24, T. 3 S., R. 7 W. No measurements made in 1946.

Lonoke County

1 (*840, p. 15; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; 989, p. 11; 1019, p. 10; 1026, p. 10). NW. corner sec. 11, T. 2 N., R. 9 W. No measurements made in 1946.

5 (*909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Carl Lilly. SE. corner SW¼ sec. 31, T. 3 N., R. 7 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 64.28.

8 (*840, p. 16; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Owner unknown. Near NW. corner sec. 4, T. 2 N., R. 8 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 54.71.

10 (*777, p. 8; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). G. G. Fitch. Near NW. corner NE¼SE¼ sec. 12, T. 2 N., R. 8 W. No measurements made in 1946.

19 (*909, p. 19; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Charles G. Miller. SW¼ sec. 26, T. 2 N., R. 8 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 56.30.

27 (*909, p. 19; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). NE¼NW¼ sec. 1, T. 2 N., R. 7 W. No measurements made in 1946.

28 (*840, p. 16; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). G. Koch. SW¼NE¼ sec. 9, T. 2 N., R. 7 W. No measurements made in 1946.

37 (*909, p. 19; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). SW¼SE¼ sec. 29, T. 2 N., R. 7 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 69.55.

61 (*886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Lonoke County Bank, Bishop Farm. 15 miles north of SW. corner SW¼ sec. 4, T. 1 N., R. 8 W. No measurements made in 1946.

126 (*777, p. 10; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Vennum & Patterson. NW¼NW¼ sec. 12, T. 1 S., R. 7 W. No measurements made in 1946.

127 (*840, p. 17; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Vennum & Patterson. SE¼NE¼ sec. 14, T. 1 S., R. 7 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 37.68.

Monroe County

178 (*909, p. 20; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10; 1026, p. 10). Kreimeir Estate. SW¼NW¼ sec. 22, T. 1 S., R. 4 W. Water level, in feet below land-surface datum, 1946: Apr. 25, 75.09.

193 (*886, p. 15; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 10). Hugh H. Burns. NE¼NW¼ sec. 19, T. 1 S., R. 3 W. No measurements made in 1946.

Prairie County

45 (*909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 10). Frank Dvorak. NE¼SW¼ sec. 19, T. 2 N., R. 6 W. No measurements made in 1946.

55 (*777, p. 9; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). George Jensen (?). Near SW. corner sec. 13, T. 2 N., R. 5 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 62.63.

88 (*886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). Herman Hardke. NE¼NE¼ sec. 8, T. 1 N., R. 6 W. No measurements made in 1946.

97 (*909, p. 21; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). J. A. Papan. SW. corner sec. 20, T. 1 N., R. 6 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 64.02.

100 (*840, p. 16; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). George Ballo. SW¼SW¼ sec. 25, T. 1 N., R. 6 W. No measurements made in 1946.

110 (*909, p. 21; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). F. W. Sickel. NW¼NE¼ sec. 15, T. 1 N., R. 5 W. Water level, in feet below land-surface datum, 1946: Apr. 24, 84.16.

122 (*886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). George Randall. SE¼NE¼ sec. 29, T. 1 N., R. 4 W. No measurements made in 1946.

135 (*777, p. 11; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). C. D. Hohe. SW¼NW¼ sec. 27, T. 1 S., R. 6 W. No measurements made in 1946.

144 (*777, p. 11; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). Powell. SE¼NE¼ sec. 8, T. 1 S., R. 5 W. No measurements made in 1946.

201 (*845, p. 10; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11; 1026, p. 11). N½NW¼ sec. 14, T. 2 S., R. 6 W., a short distance south of old railroad grade. Water level, in feet below land-surface datum, 1946: Apr. 25, 50.32.

LOUISIANA

By A. N. Turcan, Jr., H. B. Shepherd, and I. W. Thrasher

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.

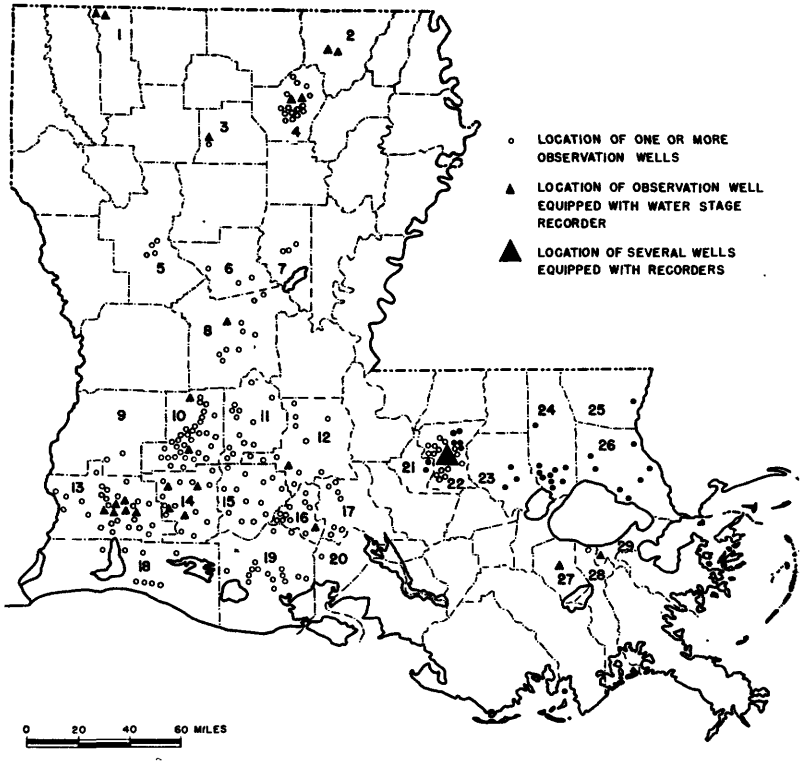
Observations of water level were made in 261 key wells in 29 parishes in 1946. Automatic water-stage recorders were in operation on 34 of these wells for at least a part of the year, enabling more reliable interpretation of measured water-level fluctuations. Of the recorders operated on key wells, 19 were of the weekly type and 15 were of the continuous type. A total of 2,073 individual measurements was made in these wells not equipped with recorders.

Measurements were made at monthly intervals in 114 wells, biweekly in 29 wells, at weekly intervals in 4 wells and in the remainder at irregular intervals. All measurements were made by members of the technical staff of the Federal Geological Survey with the exception of those for well Sc-6, at Norco, which were obtained through the cooperation of the officials of the Shell Oil Company.

During the early part of the year the observation-well program was primarily directed toward solution of the public water-supply problem at Monroe. During the summer the focus of investigations shifted to the rice-farming area of southwestern Louisiana, where an intensified quantitative study was made and the observation-well program was broadened. A report on ground-water conditions in the Monroe area was completed in December.

FLUCTUATIONS OF WATER LEVEL

Northern Louisiana.--In the early part of 1946 an intensive investigation of ground-water conditions in the Monroe area was made in an effort to



PARISHES

1. WEBSTER	9. BEAUREGARD	17. ST. MARTIN	25. WASHINGTON
2. MOREHOUSE	10. ALLEN	18. CAMERON	26. ST. TAMMANY
3. JACKSON	11. EVANGELINE	19. VERMILION	27. ST. CHARLES
4. OUACHITA	12. ST. LANDRY	20. IBERIA	28. JEFFERSON
5. NATCHITOCHES	13. CALCASIEU	21. WEST BATON ROUGE	29. ORLEANS
6. GRANT	14. JEFFERSON DAVIS	22. EAST BATON ROUGE	
7. LA SALLE	15. ACADIA	23. LIVINGSTON	
8. RAPIDES	16. LAFAYETTE	24. TANGIPAHOA	

Figure 2.--Map of Louisiana showing locations of observation wells,1946.

determine whether or not an alternative or supplemental public-water supply from wells could be made available to the city of Monroe. In order to keep an accurate check of the fluctuations of water levels in this area, automatic water-stage recorders were installed on 2 unused wells in the Monroe area and periodic measurements were begun in 12 other wells. Investigation of water-supply problems and observation of water levels were continued in the Bastrop area, in Morehouse Parish, and in the Springhill area, in Webster Parish. Indications are that there is no improvement in the critical ground-water conditions in these areas. Heavy withdrawals

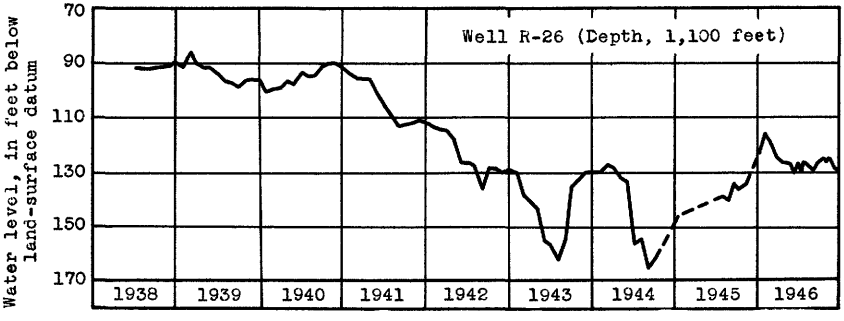


Figure 3.--Graph showing fluctuation of water level in well R-26 in Alexandria, La., 1938-46.

of water from the deeper sand (890 feet) at Bastrop has caused a steady decline of water level in a period of 1 year from 134 feet to 147 feet below land-surface.

Observations of water level in one unused well of the Southern Advance Bag and Paper Co., at Hodge, in Jackson Parish, were continued through use of a continuous automatic water-stage recorder. The record is not of sufficient duration to enable sound conclusions to be made with regard to water-level trends.

Central Louisiana.--During 1946 a total of 76 measurements of water level was made in 18 wells in Natchitoches, Grant, LaSalle, and Rapides Parishes. Wells in the Alexandria area which tap the "1100-foot" sand, the principal aquifer, showed a marked recovery the first 2 months of the year and later declined, as indicated by the hydrograph, figure 3. Since the deactivation of Camp Claiborne and Camp Livingston, water levels

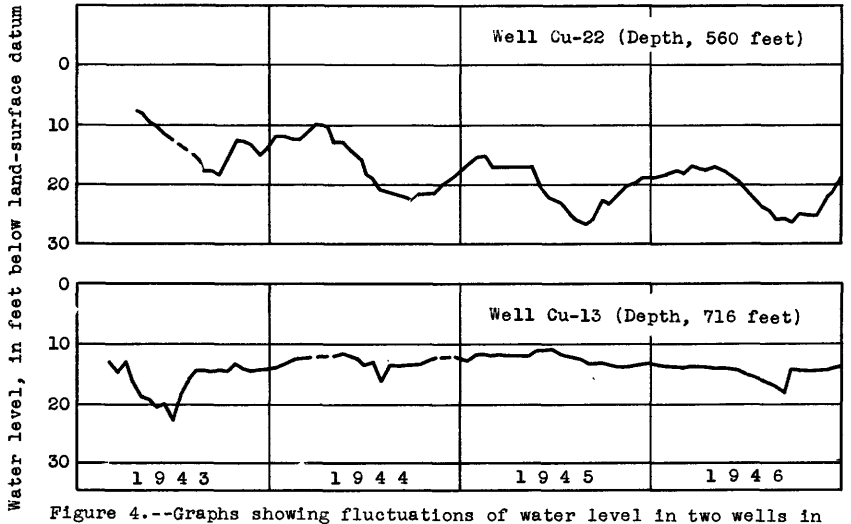


Figure 4.--Graphs showing fluctuations of water level in two wells in the Lake Charles industrial area, Calcasieu Parish, La.

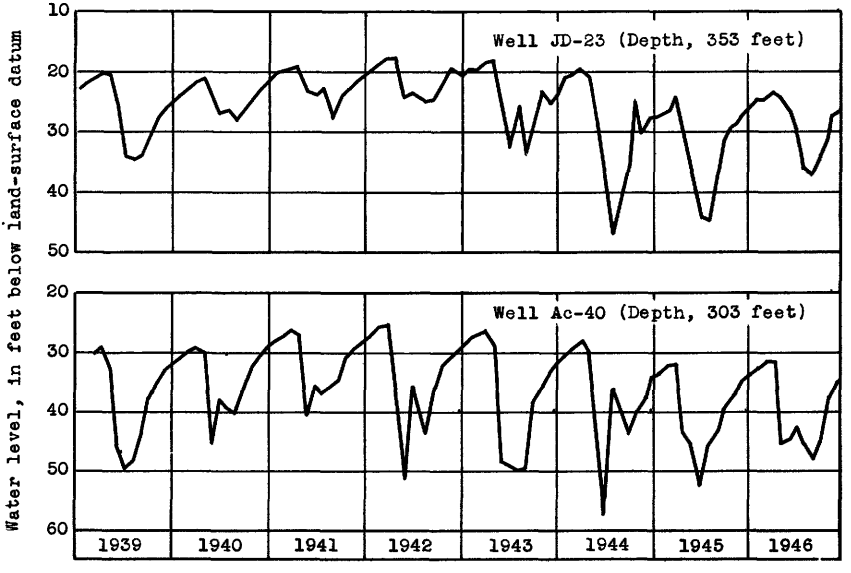


Figure 5.--Graphs showing fluctuation of water levels in wells in the rice-farming area of southwestern Louisiana.

in observation wells in the camp areas have recovered to prewar levels. Records of an observation well at Colfax, in Grant Parish, showed that the water level of the aquifer, which supplies the town, has declined gradually in the last 10 months from 62 feet to 76 feet below land surface. At Fishville, also in Grant Parish, the record indicates the water level has made a slight recovery during the year.

In the Natchitoches area, observations of water level in a well which taps a Wilcox sand that supplies about one-third of the public water-supply of that city, indicate that the pressure head has fluctuated during the year from 23.8 to 21.2 feet above land surface, but no decline from 1945 levels is apparent.

Southwestern Louisiana.--1,703 measurements were made during 1946 in 165 wells in 12 parishes in southwestern Louisiana. The observation-well program in this area continued on a broad scale to enable preparation of piezometric maps of water in the Pleistocene sands and gravels which are tapped by wells which pumped about 480,000 acre-feet of water to irrigate about 45 percent of the rice acreage in this area. Water levels in key wells continued a sharp decline during the pumping season as shown by the hydrograph, figure 5. However, the water level for the two wells, as indicated on the hydrograph, did not decline to the low point reached in 1944.

Water levels in wells which tap the "500-foot" sand in the Lake Charles industrial area repeated a sharp decline during the summer months, as in previous years, as a result of heavy withdrawal in the industrial area from wells at the Cities Service Co. refinery and butadiene plant, and the Firestone Tire and Rubber Co. plant, and in the nearby rice-irrigation areas. Levels in the "700-foot" sand, which is tapped by fewer industrial wells but supplies the entire municipal needs of the city of Lake Charles, showed a sharp decline in the latter part of the summer but recovered completely in the latter part of the year as shown on figure 4.

Southeastern Louisiana.--The observation-well program in southeastern Louisiana was continued on a limited scale during 1946. A total of 248 measurements was made in 54 wells in 9 parishes, and automatic water-stage recorders were operated in 8 wells in East Baton Rouge Parish, 1 well in St. Charles Parish, and 1 well in Orleans Parish during the year.

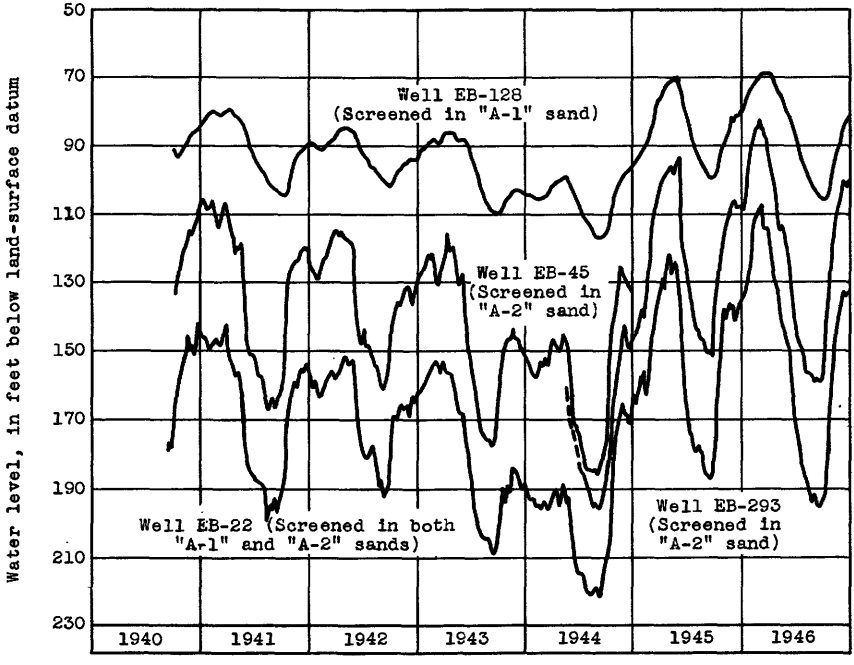


Figure 6.--Graphs showing the influence of pumpage on water levels in wells which tap the "shallow" aquifers at Baton Rouge, La., 1940-46.

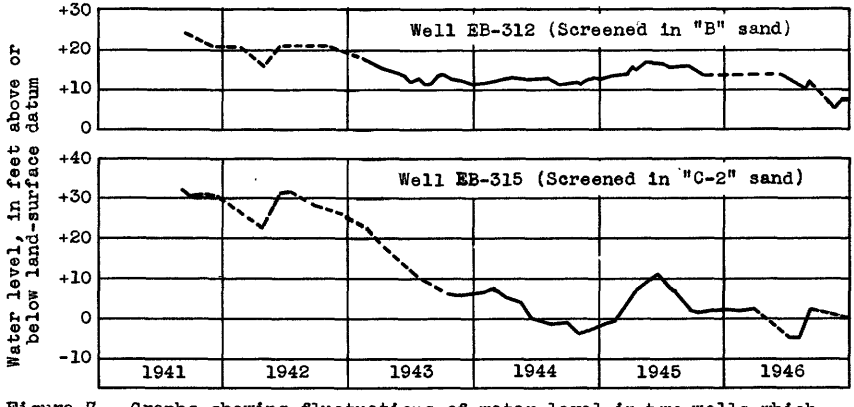


Figure 7.--Graphs showing fluctuations of water level in two wells which tap the "deep" aquifers at Baton Rouge, La., 1940-46.

Although water levels in key wells tapping the A-1 ("400-foot") and A-2 ("600-foot") sands in the Baton Rouge area rose in the spring of 1946 to the highest levels since 1940, the decline in the summer and fall months was more pronounced than in 1945. This is shown on the composite of hydrographs, figures 6 and 7.

Water levels in wells which tap the deep sands (800 to 2,500 feet) in the Baton Rouge area resumed a decline begun in the early war years.

During the past 4 years the average water level of well Sc-6, at Norco, in St. Charles Parish, has declined about 3 feet a year. In anticipation of a future ground-water shortage, the Shell Oil Company initiated a program of exploratory well drilling in 1946, in the northern part of the refinery area.

Artesian pressures of key flowing wells in southeastern Louisiana showed little change from previous years. The pressures of the deepest wells showed declines of a few feet, but, in view of the high pressures of these wells, such declines are not considered significant.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Acadia Parish

Ac-1 (*845, p. 148; 1019, p. 20; 1026, p. 20). W. M. Hoyt. 1.2 miles from Midland toward Estherwood, on Highway 90. Measurements discontinued.

Ac-2 (*845, p. 148; 1019, p. 20; 1026, p. 20). W. M. Hoyt. 1.2 miles from Midland toward Estherwood, on Highway 90. Measurements discontinued.

Ac-5 (*886, p. 232; 909, p. 28; 939, p. 16; 947, p. 20; *989, p. 22; 1019, p. 20; 1026, p. 20). Mrs. W. S. Bruner. NW¼ sec. 15, T. 8 S., R. 2 E. Measurements discontinued.

Ac-6 (*1019, p. 20). Holt & LeBlanc. NE¼ sec. 27, T. 9 S., R. 2 E. Measurements discontinued.

Ac-7 (*886, p. 233; 909, p. 28; 947, p. 20; 989, p. 22; 1019, p. 20; 1026, p. 20). Lozer Leger. NW¼NE¼ sec. 9, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	29.85	Apr. 17	30.55	Sept.10	41.00	Nov. 7	32.30
Feb. 13	28.67	July 10	37.07	Oct. 9	34.53	Dec. 10	29.64
Mar. 13	28.48	Aug. 7	38.05				

Ac-8 (*1019, p. 21). A. C. Dischler. SE¼ sec. 12, T. 10 S., R. 1 E. Measurements discontinued.

Ac-9 (*1019, p. 21). Sidney J. Richard. NE¼NW¼ sec. 24, T. 10 S., R. 1 W. Measurements discontinued.

Ac-12 (*1019, p. 21). Steven Fontenot. NW¼ sec. 24, T. 8 S., R. 1 W. Measurements discontinued.

Ac-15 (*1019, p. 21). Arthur Loewer. NW¼ sec. 5, T. 8 S., R. 1 E. Measurements discontinued.

Ac-17 (*1019, p. 21). Dr. F. N. Hayes. SW¼ sec. 3, T. 8 S., R. 1 W. Measurements discontinued.

Ac-18 (*1019, p. 21). Dr. F. N. Hayes. SE¼ sec. 42, T. 7 S., R. 1 W. Measurements discontinued.

Ac-19 (*886, p. 233; 1019, p. 21). Joseph Ohlenforst. SE¼ sec. 42, T. 7 S., R. 1 W. Measurements discontinued.

Ac-20 (*1019, p. 22). Lorenz Zaunbrecher. NE¼ sec. 35, T. 7 S., R. 1 W. Measurements discontinued.

Ac-22 (*886, p. 233; 909, p. 28; 939, p. 16; 947, p. 20; 989, p. 22; 1019, p. 22; 1026, p. 21). Harry Frey. S½ sec. 19, T. 7 S., R. 1 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	47.42	Apr. 17	46.57	Aug. 7	56.08	Nov. 7	52.07
Feb. 14	46.01	June 13	60.34	Sept.11	67.50	Dec. 12	49.97
Mar. 13	44.72	July 11	59.95	Oct. 10	55.81		

Ac-25 (*1019, p. 22). Raymond McManas. SE¼ sec. 21, T. 7 S., R. 1 W. Measurements discontinued.

Ac-27 (*1019, p. 22). Mrs. M. L. Vincent. SE¼ sec. 30, T. 7 S., R. 1 W. Measurements discontinued.

Ac-32 (*886, p. 233; 1019, p. 22). John Wilfret. SW¼ sec. 10, T. 7 S., R. 1 W. Measurements discontinued.

Ac-34 (*886, p. 233; 909, p. 29; 939, p. 16; 947, p. 20; 989, p. 22; 1019, p. 22; 1026, p. 21). F. N. Hayes. SW¼ sec. 10, T. 7 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	45.47	Apr. 18	42.50	Aug. 7	54.53	Nov. 7	50.95
Feb. 15	43.19	June 13	62.30	Oct. 10	53.76	Dec. 12	47.82
Mar. 14	43.57						

Ac-35 (*886, p. 233; 909, p. 29; 939, p. 16; 947, p. 20; 989, p. 23; 1019, p. 22; 1026, p. 21). Onezime Doucet. NW¼ sec. 22, T. 8 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	41.13	Mar. 14	41.08	Aug. 8	48.17	Nov. 7	48.60
Feb. 15	39.93	Apr. 18	38.32	Oct. 10	48.23	Dec. 12	42.80

Ac-36 (*1019, p. 22). Morris Miller. NW¼NW¼ sec. 12, T. 8 S., R. 1 W. Measurements discontinued.

Ac-40 (*886, p. 234; 909, p. 29; 939, p. 16; 947, p. 21; 989, p. 23; 1019, p. 22; 1026, p. 21). H. A. Kerr. NE¼ sec. 1, T. 9 S., R. 1 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	33.59	Apr. 18	31.50	July 12	42.59	Nov. 7	37.51
Feb. 15	32.38	May 9	45.04	Aug. 8	45.13	Dec. 12	35.05
Mar. 14	31.25	June 11	44.85	Sept.11	47.90		

Ac-44 (*1019, p. 23). Mrs. W. L. Trimble. NW¼ sec. 6, T. 9 S., R. 1 E. Measurements discontinued.

Ac-47 (*1019, p. 23). Mrs. W. J. Zaunbrecher. NE¼ sec. 18, T. 8 S., R. 1 E. Measurements discontinued.

Ac-48 (*1019, p. 23). Winston Atteberry. SW¼ sec. 20, T. 7 S., R. 1 E. Measurements discontinued.

Ac-51 (*1019, p. 23). Allen Laughlin. SE¼ sec. 14, T. 7 S., R. 1 E. Measurements discontinued.

Ac-55 (*1019, p. 23). W. E. Trimble. SW¼ sec. 24, T. 7 S., R. 1 E. Measurements discontinued.

Ac-56 (*886, p. 234; 909, p. 29; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 23; 1026, p. 22). Henry Bieber. NW¼ sec. 36, T. 7 S., R. 1 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 10	49.73	Mar. 13	47.33	June 13	61.37
Feb. 14	48.47	Apr. 17	48.30	July 11	60.89

Ac-57 (*1019, p. 23). Henry Bieber. SW¼SE¼ sec. 27, T. 7 S., R. 1 E. Measurements discontinued.

Ac-59 (*1019, p. 23). Fred Loewer. NE¼ sec. 33, T. 7 S., R. 1 E. Measurements discontinued.

Ac-61 (*1019, p. 23). Spears & Spears. NE¼ sec. 18, T. 7 S., R. 2 E. Measurements discontinued.

Ac-66 (*1019, p. 24). Mrs. August Zaunbrecher. SW¼ sec. 3, T. 8 S., R. 1 E. Measurements discontinued.

Ac-76 (*1019, p. 24). John Bischoff. SW¼ sec. 11, T. 8 S., R. 1 E. Measurements discontinued.

Ac-78 (*1019, p. 24). Walter Bruner. NW¼ sec. 13, T. 8 S., R. 1 E. Measurements discontinued.

Ac-82 (*1019, p. 24). B. F. Link. NW¼ sec. 24, T. 8 S., R. 1 E. Measurements discontinued.

Ac-89 (*1019, p. 24). Leonard Travis. NW¼ sec. 29, T. 8 S., R. 1 E. Measurements discontinued.

Ac-94 (*1019, p. 24). J. B. Stokes. NW¼NE¼ sec. 33, T. 8 S., R. 1 E. Measurements discontinued.

Ac-104 (*886, p. 234; 1019, p. 25; 1026, p. 22). Hanle Hartwell. SE¼ sec. 2, T. 9 S., R. 1 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	37.64	Apr. 17	37.05	July 11	47.56	Oct. 10	44.25
Feb. 15	36.37	May 8	49.72	Aug. 8	46.54	Nov. 7	41.19
Mar. 14	36.50	June 11	50.58	Sept.11	58.08	Dec. 12	38.40

Ac-115 (*1019, p. 25; 1026, p. 22). C. A. Savoy. S. corner of irregular sec. 77, T. 8 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 10	50.69	Apr. 17	48.96	July 11	56.33	Oct. 10	54.65
Feb. 14	49.38	May 8	57.57	Aug. 7	56.45	Nov. 7	52.62
Mar. 13	49.17	June 13	55.85	Sept.11	58.17	Dec. 12	50.49

Ac-117 (*1019, p. 25). David Bergeron. SE¼ sec. 7, T. 8 S., R. 3 E. Measurements discontinued.

Ac-118 (*1019, p. 25). C. J. Thibodeau. NW¼ sec. 23, T. 8 S., R. 2 E. Measurements discontinued.

Ac-119 (*1019, p. 25). W. S. Bruner Estate. SE¼ sec. 15, T. 8 S., R. 2 E. Measurements discontinued.

Ac-123 (*1019, p. 25). Clovis Thibodeau. SW¼ sec. 16, T. 8 S., R. 2 E. Measurements discontinued.

Ac-124 (*1019, p. 25). Walter Bruner. NW¼ sec. 63, T. 8 S., R. 2 E. Measurements discontinued.

Ac-128 (*1019, p. 25). Theodore Heiner. N½ sec. 17, T. 9 S., R. 2 E. Measurements discontinued.

Ac-135 (*1019, p. 26). Ovey Arceneaux. SW¼ sec. 1, T. 9 S., R. 2 E. Measurements discontinued.

Ac-136 (*1019, p. 26). Holt & Cunningham. NW¼ sec. 60, T. 8 S., R. 2 E. Measurements discontinued.

Ac-137 (*1019, p. 26). Kennedy Estate. SE¼ sec. 48, T. 8 S., R. 3 E. Measurements discontinued.

Ac-138 (*1019, p. 26; 1026, p. 23). Walter Larcade. NW¼ sec. 34, T. 8 S., R. 3 E. Measurements discontinued.

Ac-139 (*886, p. 234; 1019, p. 26). Emile Petitjean. SE¼ sec. 13, T. 9 S., R. 2 E. Measurements discontinued.

Ac-140 (*1019, p. 26). Albert Hains. NW¼ sec. 25, T. 9 S., R. 2 E. Measurements discontinued.

Ac-142 (*1019, p. 26). John Hoffpauir. NW¼ sec. 8, T. 10 S., R. 2 E. Measurements discontinued.

Ac-143 (*1019, p. 27). Earl Jeffers. NW¼ sec. 19, T. 10 S., R. 2 E. Measurements discontinued.

Ac-144 (*1019, p. 27). J. W. Adcock. SE¼ sec. 39, T. 10 S., R. 2 E. Measurements discontinued.

Ac-145 (*886, p. 234; 1019, p. 27). A. F. Horn. NW¼ sec. 11, T. 10 S., R. 1 E. Measurements discontinued.

Ac-147 (*886, p. 235; 1019, p. 27; 1026, p. 23). Ed Faulk. SW¼ sec. 34, T. 10 S., R. 1 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	18.56	Apr. 17	16.76	Aug. 8	23.17	Nov. 8	21.05
Feb. 15	17.36	June 12	24.51	Sept.10	26.38	Dec. 12	19.38
Mar. 14	17.42	July 8	24.58	Oct. 9	23.01		

Ac-148 (*1019, p. 27). L. A. Habetz. NE¼ sec. 4, T. 10 S., R. 2 E. Measurements discontinued.

Ac-149 (*1019, p. 27). E. N. Dupont. SE¼ sec. 8, T. 10 S., R. 2 E. Measurements discontinued.

Ac-152 (*886, p. 235; 1019, p. 27; 1026, p. 23). L. W. Hoyt. NW¼ sec. 4, T. 11 S., R. 1 W.

Ac-152--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	17.50	Apr. 17	15.74	Aug. 8	21.75	Nov. 8	20.36
Feb. 15	16.49	June 12	20.42	Oct. 9	22.40	Dec. 12	18.98
Mar. 14	15.60						

Ac-156 (*1019, p. 28). Louisiana Irrigation Co. NW¼ sec. 10, T. 10 S., R. 2 E. Measurements discontinued.

Ac-157 (*1019, p. 28). Henry Habetz. SE¼ sec. 4, T. 10 S., R. 2 E. Measurements discontinued.

Ac-158 (*1019, p. 28). Plattsmier-Hulin, Inc. SW¼ sec. 4, T. 10 S., R. 2 E. Measurements discontinued.

Ac-159 (*1019, p. 28). Charles Lenet. SW¼ sec. 4, T. 10 S., R. 2 E. Measurements discontinued.

Ac-163 (*1019, p. 28). Girard Hoffpauir. SW¼ sec. 54, T. 10 S., R. 1 W. Measurements discontinued.

Ac-174 (*1019, p. 28). S. L. Wright. NW¼ sec. 19, T. 10 S., R. 1 E. Measurements discontinued.

Ac-175 (*886, p. 235; 909, p. 17; 947, p. 21; 989, p. 23; 1019, p. 28; 1026, p. 24). Leon P. Lapleau. North line sec. 46, T. 10 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	12.43	Apr. 18	10.06	Aug. 8	17.11	Nov. 8	16.03
Feb. 15	11.42	July 8	17.60	Oct. 9	18.40	Dec. 13	13.85
Mar. 14	10.45						

Ac-176 (*1019, p. 28). W. E. Lawson Estate. NE¼NE¼ sec. 25, T. 10 S., R. 1 E. Measurements discontinued.

Ac-177 (*1019, p. 28). Davis Doudreaus. Sec. 30, T. 10 S., R. 2 E. Measurements discontinued.

Ac-179 (*886, p. 235; 909, p. 30; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 28; 1026, p. 24). Dr. F. N. Hayes. NW¼ sec. 34, T. 8 S., R. 1 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	36.69	Apr. 18	34.25	Sept.11	49.30	Nov. 7	41.63
Feb. 12	35.27	July 12	45.08	Oct. 10	43.70	Dec. 12	39.08
Mar. 14	34.19	Aug. 8	44.72				

Ac-180 (*1019, p. 29). Chas. Houssiere. SW¼SW¼ sec. 2, T. 8 S., R. 1 W. Measurements discontinued.

Ac-181 (*1019, p. 29). Lozen Leger. SE¼ sec. 9, T. 10 S., R. 2 E. Measurements discontinued.

Ac-184 (*1019, p. 29). Glassell & Glassell. NE¼NE¼ sec. 42, T. 9 S., R. 2 W. Measurements discontinued.

Ac-185 (*1019, p. 29). Walter Larcade. SW¼ sec. 23, T. 9 S., R. 2 E. Measurements discontinued.

Ac-186 (*1019, p. 29; 1026, p. 24). Jules Baronet. SE¼ sec. 9, T. 10 S., R. 1 E.

Ac-188--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	24.50	Apr. 17	23.11	July 8	32.64	Nov. 8	26.60
Feb. 12	23.47	May 8	28.81	Aug. 8	30.92	Dec. 12	25.92
Mar. 14	22.50	June 12	33.20	Oct. 10	29.99		

Ac-189 (*1019, p. 29). Onezie Vincent. NW¼ sec. 15, T. 10 S., R. 1 E. Measurements discontinued.

Ac-196 (*1019, p. 29). W. P. Gray. SW¼ sec. 15, T. 9 S., R. 1 W. Measurements discontinued.

Ac-197 (*1019, p. 29). Albert Thibodeau. NE¼ sec. 29, T. 9 S., R. 2 W. Measurements discontinued.

Allen Parish

Al-1 (*886, p. 235; 909, p. 30; 1019, p. 30). R. R. McClelland. SE¼ sec. 35, T. 6 S., R. 3 W. Measurements discontinued.

Al-7 (*909, p. 30; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 30; 1026, p. 25). M. Carroll. NW¼ sec. 36, T. 4 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 8	46.90	Apr. 9	46.28	June 12	47.20	Oct. 7	47.61
Feb. 12	46.78	15	46.36	July 10	47.31	Nov. 5	47.35
Mar. 12	46.45	May 6	46.97	Aug. 7	47.03	Dec. 12	46.52

Al-11 (*1019, p. 30; 1026, p. 25). Onezie Vincent. SE¼ sec. 8, T. 5 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Jan. 8	49.68	Apr. 9	49.46	July 10	51.03	Oct. 7	50.87
Feb. 12	49.76	15	49.60	Aug. 7	50.48	Nov. 5	50.95
Mar. 12	49.54	June 12	51.68	Sept.11	53.31	Dec. 12	49.95

Al-15 (*1019, p. 30; 1026, p. 25). Ben Daigle. SW¼ sec. 27, T. 5 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Jan. 8	52.73	Apr. 15	52.70	Aug. 7	53.91	Oct. 7	53.36
Feb. 12	52.88	June 12	53.44	Sept.11	55.28	Dec. 12	53.26
Mar. 12	52.66	July 10	53.96				

Al-16 (*909, p. 31; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 30; 1026, p. 25). Mr. Lausanne. SE¼ sec. 22, T. 5 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 8	38.96	Apr. 9	38.40	June 12	38.64	Sept.11	41.34
Feb. 12	38.62	15	38.44	July 10	38.95	Oct. 7	38.14
Mar. 12	38.30	May 6	38.64	Aug. 7	38.98	Nov. 5	38.08

Al-17 (*909, p. 31; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 30; 1026, p. 25). Town of Kinder. Near south wall of water works building, in Kinder.

Water level, in feet below land-surface datum, 1946

Jan. 19	33.25	May 1	32.77	Sept.28	34.84	Oct. 18	34.81
Feb. 22	32.60	31	33.34	Oct. 4	34.85	25	34.71
Mar. 27	32.30	June 24	33.07	11	34.90	Dec. 27	31.74

Al-18 (*1019, p. 30; 1026, p. 25). Fred Rostrum. NE¼ sec. 6, T. 6 S., R. 4 W.

Al-18--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	29.61	Apr. 15	28.74	July 10	28.68	Oct. 7	29.67
Feb. 12	29.00	May 6	29.29	Aug. 7	29.18	Nov. 5	29.77
Mar. 12	28.68	June 12	28.52	Sept.11	29.85	Dec. 12	30.18

Al-20 (*1019, p. 31; 1026, p. 25). C. I. Kuntz. SW¼ sec. 14, T. 7 S., R. 5 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	37.16	Apr. 15	34.77	July 10	36.66	Oct. 7	38.71
Feb. 12	35.87	May 6	35.14	Aug. 5	38.23	Nov. 5	38.44
Mar. 12	35.11	June 12	35.54	Sept.11	40.20	Dec. 12	37.19

Al-21 (*1019, p. 31; 1026, p. 25). Frank Odom. NE¼ sec. 28, T. 6 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 8	37.17	Apr. 15	36.07	Aug. 5	37.61	Nov. 7	37.86
Feb. 12	36.69	June 10	36.73	Sept.13	34.55	Dec. 12	37.24
Mar. 12	36.34	July 10	37.02	Oct. 7	38.08		

Al-22 (*1019, p. 31; 1026, p. 25). Frank Odom. SW¼ sec. 20, T. 6 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 8	32.25	June 24	32.23	Aug. 29	32.99	Oct. 18	32.90
Feb. 12	31.65	July 1	35.78	Sept. 5	33.82	25	36.78
Mar. 12	31.28	8	31.74	19	33.19	31	38.39
Apr. 10	31.03	15	31.71	28	33.04	Nov. 7	32.85
15	31.10	29	32.89	Oct. 4	33.04	14	32.87
May 12	31.93	Aug. 5	32.51	7	32.99	20	32.62
31	31.44	15	33.86	11	37.08	Dec. 23	32.43
June 10	31.50						

Al-25. R. R. McClelland. SE½ sec. 30, T. 6 S., R. 4 W. Used drilled irrigation well, diameter 10 inches. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.13 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Apr. 15	49.96	Oct. 7	52.99	Dec. 12	52.23
Sept.11	53.30	Nov. 5	52.82		

Al-29 (*909, p. 31; 939, p. 17; 947, p. 21; 989, p. 24; 1019, p. 31; 1026, p. 25). Calcasieu Sulphate Paper Co. In Elizabeth, east of paper mill. Water-stage recorder removed Apr. 4, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	42.7	Jan. 12	43.7	Jan. 23	44.9	Feb. 3	44.4
2	42.6	13	43.8	24	45.0	4	44.4
3	42.9	14	44.0	25	45.7	5	44.5
4	43.1	15	44.1	26	45.2	6	44.4
5	43.0	16	44.1	27	45.3	7	44.3
6	43.1	17	44.3	28	45.4	8	44.2
7	43.3	18	44.4	29	45.4	9	44.0
8	43.4	19	44.5	30	45.2	10	43.9
9	43.4	20	44.6	31	44.7	11	43.7
10	43.5	21	44.7	Feb. 1	44.3	12	43.6
11	43.6	22	44.8	2	44.3	13	43.2

Al-29--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	42.9	Mar. 3	42.3	Mar. 19	41.0	Apr. 4	41.7
15	42.5	4	42.3	20	41.0	June 14	a 32.08
16	42.3	5	42.2	21	41.1	27	a 26.96
17	42.2	6	42.2	22	41.1	July 10	a 30.79
18	42.3	7	41.6	23	41.1	26	a 32.50
19	42.0	8	41.3	24	41.1	Aug. 9	a 36.21
20	41.9	9	41.1	25	41.3	22	a 29.92
21	41.9	10	41.1	26	41.5	Sept. 9	a 38.19
22	42.0	11	41.2	27	41.6	18	a 39.67
23	42.1	12	41.3	28	41.5	Oct. 3	a 35.82
24	42.2	13	41.3	29	41.6	16	a 35.68
25	42.3	14	41.1	30	41.7	31	a 35.24
26	42.3	15	41.1	31	41.7	Nov. 15	a 34.90
27	42.2	16	41.1	Apr. 1	41.8	27	a 25.18
28	42.2	17	41.0	2	41.8	Dec. 13	a 35.81
Mar. 1	42.2	18	41.0	3	41.8	27	a 36.53
2	42.3						

a Tape measurement at odd hour.

Al-34 (*1026, p. 26). A. B. Finkey. SE¼ sec. 12, T. 3 S., R. 3 W. Measurements discontinued.

Al-35 (*1026, p. 26). W. L. Greer. NE¼ sec. 18, T. 3 S., R. 2 W. Measurements discontinued.

Al-36 (*1026, p. 26). Robert Johnson. NE¼ sec. 14, T. 3 S., R. 3 W. Measurements discontinued.

Al-37 (*1026, p. 26). Arthur Ballard. NE¼ sec. 23, T. 3 S., R. 3 W. Measurements discontinued.

Al-38 (*1026, p. 26). Timothy Ballard. SW¼ sec. 24, T. 3 S., R. 3 W. Measurements discontinued.

Al-39 (*1026, p. 26). L. J. Granger. NW¼ sec. 25, T. 3 S., R. 3 W. Measurements discontinued.

Al-40 (*1026, p. 26). Industrial Lumber Co. NE¼ sec. 29, T. 2 S., R. 3 W. No measurements made in 1946.

Al-41 (*1026, p. 27). Lucindy Rodriguez. NE¼ sec. 29, T. 2 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Feb. 4	2.68	Mar. 18	2.81	July 26	5.02	Oct. 17	6.63
11	2.02	25	3.65	Aug. 9	6.13	30	4.66
18	1.98	Apr. 29	5.83	22	6.53	Nov. 15	3.32
25	2.53	June 14	3.41	Sept. 9	7.01	27	1.80
Mar. 4	3.17	27	4.05	18	7.29	Dec. 27	3.40
11	3.09	July 12	4.04	Oct. 3	7.80		

Al-42 (*1026, p. 27). Oak Hill Church. NW¼ sec. 20, T. 2 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Feb. 4	6.69	Mar. 18	6.96	July 26	10.75	Oct. 16	12.88
11	5.37	25	8.28	Aug. 9	11.46	30	11.90
18	5.67	Apr. 29	10.87	22	12.01	Nov. 15	10.03
25	6.79	June 14	7.58	Sept. 9	11.46	27	8.25
Mar. 4	7.98	27	9.71	18	12.72	Dec. 13	9.56
11	7.31	July 12	9.76	Oct. 3	12.73	27	9.42

Al-43 (*1026, p. 27). S. P. McDaniel. NE¼ sec. 32, T. 2 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25	24.61	July 26	24.47	Sept.18	25.05	Nov. 15	24.43
Apr. 29	25.03	Aug. 9	27.55	Oct. 3	24.93	27	23.91
June 14	24.75	22	24.97	16	24.90	Dec. 13	25.11
27	23.96	Sept. 9	24.94	31	24.64	27	24.19
July 12	24.45						

Al-44 (*1026, p. 27). Evans Gassiot. SE¼ sec. 27, T. 3 S., R. 5 W. Measurements discontinued.

Al-45 (*1026, p. 27). Mrs. Ada Campbell. NW¼ sec. 34, T. 3 S., R. 5 W. Measurements discontinued.

Al-46 (*1026, p. 27). Mrs. Ada Campbell. NW¼ sec. 34, T. 3 S., R. 5 W. Measurements discontinued.

Al-47 (*1026, p. 27). James M. Houston. NW¼ sec. 33, T. 2 S., R. 5 W. Measurements discontinued.

Al-48 (*1026, p. 27). H. B. Morrow. SW¼SW¼ sec. 5, T. 3 S., R. 5 W. Measurements discontinued.

Al-49 (*1026, p. 27). Charles Morrow. NW¼SE¼ sec. 6, T. 3 S., R. 5 W. Measurements discontinued.

Al-50 (*1026, p. 27). G. A. Perkins. NW¼SW¼ sec. 12, T. 3 S., R. 6 W. Measurements discontinued.

Al-51 (*1026, p. 27). Harry D. Dear. NW¼ sec. 36, T. 4 S., R. 4 W. Measurements discontinued.

Al-52 (*1026, p. 27). J. M. Sonnier. NE¼ sec. 1, T. 5 S., R. 4 W. Measurements discontinued.

Al-54 (*1026, p. 27). Kinder Canal Co. SE¼ sec. 19, T. 5 S., R. 4 W. No measurements made in 1946.

Al-55 (*1026, p. 28). A. Adams. SW¼ sec. 15, T. 5 S., R. 3 W. Measurements discontinued.

Al-56 (*1026, p. 28). Eual Duplechain. SW¼ sec. 23, T. 5 S., R. 3 W. Measurements discontinued.

Al-57 (*1026, p. 28). Hillyer Deutsch Edwards. NE¼ sec. 26, T. 5 S., R. 3 W. Measurements discontinued.

Al-58 (*1026, p. 28). Hardwood Lumber Co. NE¼ sec. 35, T. 5 S., R. 3 W. Measurements discontinued.

Al-59 (*1026, p. 28). Soileau Corp. NW¼ sec. 36, T. 5 S., R. 3 W. Water level, in feet below land-surface datum, 1946: Apr. 9, 57.08.

Al-62 (*1026, p. 28). F. B. Odom. NW¼ sec. 28, T. 6 S., R. 4 W. Measurements discontinued.

Al-63 (*1026, p. 28). F. B. Odom. SW¼ sec. 28, T. 6 S., R. 4 W. Measurements discontinued.

Al-65 (*1026, p. 28). Matt Johnson. NW¼NW¼ sec. 1, T. 6 S., R. 6 W. No measurements made in 1946.

Al-67 (*1026, p. 28). Mrs. J. L. LeBlanc. NW¼ sec. 12, T. 6 S., R. 6 W. Measurements discontinued.

Al-71 (*1026, p. 28). Sonnier Cooperative Association. SE¼NE¼ sec. 33, T. 5 S., R. 3 W. Measurements discontinued.

Al-72 (*1026, p. 28). Fontenot Cooperative Association. NE¼SW¼ sec. 34, T. 5 S., R. 3 W. Measurements discontinued.

Al-73 (*1026, p. 29). Darbonne Corporation. SW¼ sec. 17, T. 6 S., R. 3 W. Measurements discontinued.

Al-74 (*1026, p. 29). Granger Cooperative Association. SE¼ sec. 2, T. 5 S., R. 4 W. Measurements discontinued.

Al-75. Olin McGee. NE¼ sec. 34, T. 6 S., R. 5 W. Used bored domestic well, diameter 6 inches, depth 40 feet, rope and bucket. Measuring point, east side of board curbing, 1.70 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 19	28.97	June 14	26.90	Aug. 22	32.01	Oct. 31	31.96
Mar. 4	29.39	27	29.89	Sept. 9	31.82	Nov. 15	31.71
18	29.07	July 12	29.90	19	31.84	20	31.41
25	29.22	26	30.69	Oct. 5	31.99	Dec. 13	31.07
Apr. 29	29.85	Aug. 8	31.14	17	31.98	27	31.06

Al-76 (*1026, p. 29). H. E. Garlington. NE¼ sec. 11, T. 3 S., R. 6 W. Measurements discontinued.

Al-80 (*1026, p. 29). Ezeikel Martin. NW¼ sec. 24, T. 2 S., R. 6 W. Measurements discontinued.

Al-81 (*1026, p. 29). Oswell Johnson. NE¼ sec. 14, T. 3 S., R. 6 W. Measurements discontinued.

Al-84 (*1026, p. 29). Leon Manuel. SE¼ sec. 19, T. 4 S., R. 2 W. Measurements discontinued.

Al-86. Olin McGee. NW¼ sec. 34, T. 6 S., R. 5 W. Used bored domestic well, diameter 6.5 inches, depth 36.0 feet. Measuring point, top of board curbing on south side, 2.32 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 19	26.60	June 14	28.66	Aug. 22	31.86	Oct. 31	33.53
Mar. 4	27.86	27	30.59	Sept. 9	32.14	Nov. 16	32.17
18	27.10	July 12	29.14	19	32.52	26	31.77
25	28.20	26	30.55	Oct. 5	32.40	Dec. 13	31.50
Apr. 29	29.78	Aug. 8	30.92	17	32.90	27	31.20

Al-87. D. S. Kingrey. NW¼NW¼ sec. 34, T. 6 S., R. 5 W. Used bored domestic well, diameter 6.5 inches, depth 40.0 feet, rope and bucket. Measuring point, top of board on west side of curbing, 2.15 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 19	7.53	June 14	10.62	Aug. 22	16.15	Oct. 31	20.17
Mar. 4	9.35	27	14.19	Sept. 9	13.21	Nov. 15	11.79
18	8.45	July 12	8.32	19	12.58	20	10.97
25	9.49	26	14.92	Oct. 5	11.74	Dec. 13	14.99
Apr. 29	12.04	Aug. 8	15.33	17	11.41	27	13.51

Al-88. Amos Ceaser. SE¼ sec. 29, T. 6 S., R. 5 W. Bored domestic well, diameter 5.5 inches, depth 33.4 feet. Measuring point, top of board on east side of wooden curb, 1.85 feet above land-surface datum.

Al-88--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 19	19.50	June 14	19.94	Aug. 22	25.24	Oct. 31	24.24
Mar. 4	20.66	27	21.50	Sept. 9	24.33	Nov. 15	22.59
18	20.28	July 10	21.22	19	24.53	26	22.67
25	21.22	26	22.73	Oct. 5	24.19	Dec. 13	23.95
Apr. 29	22.56	Aug. 8	24.13	17	24.35	27	22.48

Al-90. Randolph Hutcheson. NW¼ sec. 25, T. 6 S., R. 6 W. Dug domestic well, diameter 2.5 feet. Measuring point, top of board on south side of curbing, 2.60 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 19	9.33	June 14	10.36	Aug. 22	17.48	Oct. 31	15.41
Mar. 4	10.00	27	11.58	Sept. 9	17.70	Nov. 15	14.26
18	8.83	July 12	10.14	19	19.08	26	13.52
25	10.26	26	13.24	Oct. 5	15.54	Dec. 13	14.20
Apr. 29	15.47	Aug. 8	15.79	17	15.37	27	16.08

Al-91. J. M. Ritchie. NE¼ sec. 26, T. 6 S., R. 6 W. Dug stock well, diameter 2.0 feet, depth 29.20 feet. Measuring point, top of board on south side of curbing, 2.80 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 19	2.16	June 14	4.28	Aug. 22	17.88	Oct. 31	12.10
Mar. 4	4.91	27	3.97	Sept. 9	16.93	Nov. 15	5.67
18	3.51	July 12	4.46	19	18.13	26	2.37
25	7.99	26	13.45	Oct. 5	18.45	Dec. 13	4.48
Apr. 29	13.29	Aug. 8	15.05	17	11.85	27	5.21

Al-92. J. A. Rohmer. NW¼ sec. 21, T. 3 S., R. 3 W. Abandoned drilled well, diameter 1.25 inches, depth 31.65 feet. Measuring point, top of casing, 2.20 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 20	15.03	Apr. 29	15.28	Aug. 9	14.22	Oct. 17	16.20
Mar. 4	14.84	June 14	13.94	22	14.98	31	16.44
11	14.45	27	13.60	Sept. 9	15.58	Nov. 15	15.89
18	14.26	July 12	13.18	18	15.98	27	15.53
25	14.22	26	13.71	Oct. 3	15.91	Dec. 27	15.17

Al-93. Mrs. J. E. Hollingsworth. SW¼SW¼ sec. 21, T. 3 S., R. 3 W. Drilled observation well, diameter 3 inches, depth 27.60 feet. Measuring point, top of casing, 0.30 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 20	13.16	Apr. 29	13.29	Aug. 9	12.71	Oct. 17	14.62
Mar. 4	13.06	June 14	12.03	22	13.20	30	14.85
11	13.71	27	12.20	Sept. 9	13.75	Nov. 15	14.65
18	12.32	July 12	11.41	18	14.09	Dec. 13	14.07
25	12.35	26	12.15	Oct. 3	14.36	27	14.02

Al-94. Clyde Whitley. SE¼SW¼ sec. 32, T. 3 S., R. 3 W. Bored domestic well, diameter 6⅝ inches, depth 40.90 feet. Measuring points: (1) Top of board on east side of curbing, 3.10 feet above land-surface datum; (2) since Mar. 29, 1946, 3.55 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 20	16.94	June 14	14.63	Aug. 22	20.28	Oct. 31	20.43
Mar. 4	12.40	27	9.13	Sept. 9	21.54	Nov. 15	21.07
11	15.31	July 12	11.51	18	21.62	26	19.51
18	9.13	26	16.92	Oct. 3	20.29	Dec. 13	18.91
25	17.29	Aug. 9	15.65	17	21.69	27	16.34
Apr. 29	18.27						

Al-95. C. Whitley. NE¼NE¼ sec. 6, T. 4 S., R. 3 W. Dug domestic well, diameter 2.70 feet, depth 18.10 feet. Measuring points: (1) Top of board on south side of curbing 2.75 feet above land-surface datum; (2) since Oct. 3, 1946, 2.90 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	7.21	June 14	7.04	Aug. 22	10.45	Oct. 31	11.29
Mar. 14	8.18	27	6.33	Sept. 9	11.04	Nov. 15	10.60
11	7.72	July 12	8.12	18	11.30	26	9.17
18	7.50	26	9.23	Oct. 3	11.12	Dec. 13	9.76
25	8.02	Aug. 9	10.17	17	11.18	27	9.72
Apr. 29	9.45						

Al-96. Clarise McGee. NE¼SW¼ sec. 7, T. 4 S., R. 3 W. Dug domestic well, diameter 2.35 feet, depth 37.0 feet. Measuring point, top of board on west side of curbing, 2.75 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 20	23.89	June 14	23.12	Aug. 22	23.63	Oct. 31	24.37
Mar. 4	23.77	27	16.98	Sept. 9	24.03	Nov. 15	24.21
11	23.60	July 12	23.03	18	24.10	26	23.91
18	23.68	26	22.97	Oct. 3	24.41	Dec. 13	24.11
25	23.32	Aug. 9	23.27	17	24.23	27	23.89
Apr. 29	23.69						

Al-97. Horace Reed. NE¼ sec. 13, T. 4 S., R. 4 W. Dug domestic well, diameter 6.5 inches, depth 30.0 feet. Measuring point, top of board on east side of curbing, 2.00 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 20	21.34	June 14	19.88	Aug. 22	18.60	Oct. 31	20.19
Mar. 4	20.84	27	19.52	Sept. 9	19.04	Nov. 15	20.25
11	20.64	July 12	18.96	19	19.30	26	20.26
18	20.42	26	18.73	Oct. 4	19.85	Dec. 13	20.53
25	20.16	Aug. 8	19.41	17	20.07	27	19.93
Apr. 29	20.18						

Al-98. Alcin Veronie. SE¼ sec. 13, T. 4 S., R. 4 W. Bored domestic well, diameter 6.7 inches, depth 22.0 feet. Measuring point, top of board on east side of curbing, 3.63 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 21	11.60	June 14	13.26	Aug. 22	13.02	Oct. 31	13.41
Mar. 4	13.38	27	7.84	Sept. 9	13.03	Nov. 15	12.55
11	12.65	July 12	11.47	19	13.66	26	13.21
18	12.54	26	11.49	Oct. 4	14.76	Dec. 13	13.13
25	12.89	Aug. 8	12.83	17	12.35	27	12.25
Apr. 29	12.89						

Al-100. A. C. Easterling. NW¼ sec. 26, T. 4 S., R. 4 W. Dug domestic well, diameter 2.5 feet, depth 32.35 feet. Measuring point, top board on west side of curbing, 2.85 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 21	24.59	June 14	30.41	Aug. 22	30.97	Oct. 31	31.28
Mar. 4	30.47	27	19.32	Sept. 9	31.51	Nov. 15	28.45
11	27.82	July 10	28.67	19	31.20	26	17.85
16	25.07	26	28.26	Oct. 4	31.56	Dec. 13	29.30
25	30.12	Aug. 8	28.43	17	31.79	27	28.88
Apr. 29	30.51						

Al-101. Jerome Sonnier. SW¼ sec. 26, T. 4 S., R. 4 W. Dug domestic well, diameter 7.0 inches, depth 54.0 feet. Measuring point, top of board on south side of curb, 3.70 feet above land-surface datum.

Al-101--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	38.18	June 14	39.02	Aug. 22	40.09	Oct. 31	40.83
Mar. 4	39.08	27	36.71	Sept. 9	40.30	Nov. 15	39.38
11	39.03	July 12	38.80	19	39.46	20	43.86
18	39.26	26	40.33	Oct. 4	40.09	Dec. 13	39.30
25	39.47	Aug. 8	39.80	17	39.56	27	38.77
Apr. 29	39.86						

Al-102. L. S. Sonnier. NW¼ sec. 34, T. 4 S., R. 4 W. Dug domestic well, diameter 24 inches, depth 27.15 feet. Measuring point, top of board on north side of curbing, 2.40 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	20.91	June 14	19.62	Aug. 22	21.85	Oct. 31	22.37
Mar. 4	20.88	27	20.67	Sept. 9	22.14	Nov. 15	22.04
11	20.91	July 12	20.83	19	22.41	26	21.80
18	20.70	26	21.00	Oct. 4	22.24	Dec. 13	17.22
25	20.66	Aug. 8	21.25	17	22.24	27	21.52
Apr. 29	21.28						

Al-103. Mrs. S. L. Carpenter. SW¼ sec. 5, T. 5 S., R. 4 W. Dug domestic well, diameter 6 inches, depth 31.32 feet. Measuring point, top of board on west side of curbing, 2.80 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	22.36	June 14	21.31	Aug. 22	20.77	Oct. 31	21.50
Mar. 4	22.62	27	21.16	Sept. 9	21.02	Nov. 15	22.11
18	21.72	July 12	21.30	19	21.74	26	21.74
25	21.97	26	20.98	Oct. 4	22.28	Dec. 13	22.12
Apr. 29	21.45	Aug. 8	20.80	17	21.76	27	22.22

Al-104. Louis Durio. SE¼ sec. 32, T. 4 S., R. 4 W. Dug domestic well, diameter 2.0 feet, depth 16.02 feet. Measuring point, top of board on south side of curbing, 2.70 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	7.88	June 14	8.15	Aug. 22	10.56	Oct. 31	12.26
Mar. 4	8.74	27	9.17	Sept. 9	11.14	Nov. 15	11.76
18	7.84	July 12	8.77	19	11.55	26	11.86
25	8.48	26	9.49	Oct. 4	11.77	Dec. 13	11.72
Apr. 29	10.20	Aug. 8	10.04	17	11.84	27	11.84

Al-105. Walter Henry. SW¼ sec. 33, T. 4 S., R. 4 W. Dug domestic well, diameter 2.5 feet, depth 19.54. Measuring point, top of board on north side of curbing, 2.60 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	14.68	June 14	14.38	Aug. 22	14.63	Oct. 31	15.25
Mar. 4	14.64	27	14.29	Sept. 9	14.90	Nov. 15	15.30
18	14.51	July 12	14.34	19	15.53	26	15.40
25	14.44	26	14.32	Oct. 4	15.15	Dec. 13	15.03
Apr. 29	14.58	Aug. 8	14.48	17	15.17	27	15.21

Al-106. King Corporation. SW¼SE¼ sec. 18, T. 7 S., R. 5 W. Used irrigation well, diameter 12 inches, turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum being 5.28 feet. Water levels, in feet below land-surface datum, 1946: Oct. 7, 33.74; Nov. 8, 33.34; Dec. 12, 32.04.

Avoyelles Parish

Av-18 (*845, p. 146; 886, p. 236; 909, p. 31; 939, p. 18; 947, p. 22; *989, p. 24; 1019, p. 31). Haas Investment Co. On Shirley Plantation on parish line, in sec. 28, T. 1 S., R. 2 E. Measurements discontinued.

Beauregard Parish

Be-2 (*989, p. 24; 1019, p. 31; 1026, p. 29). Southern Pacific Railroad. NE¼SE¼ sec. 29, T. 6 S., R. 8W. Automatic water-stage recorder installed Aug. 28, 1946. Measuring points: (1) Top of 6-inch casing, 0.28 foot above land-surface datum; (2) Oct. 22, 1946, top of recorder house floor, 2.50 feet above land-surface datum.

Daily noon water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	a 43.27	Sept. 3	43.4	Sept.17	43.4	Oct. 1	43.3
Feb. 13	a 42.51	4	43.4	18	43.4	2	43.3
Mar. 13	a 42.22	5	43.4	19	43.4	3	43.3
Apr. 15	a 42.51	6	43.4	20	43.4	8	43.3
May 7	a 42.50	7	43.4	21	43.4	9	43.3
June 12	a 42.39	8	43.4	22	43.3	10	43.3
July 10	a 42.64	9	43.4	23	43.3	11	43.3
Aug. 7	a 43.28	10	43.4	24	43.4	12	43.4
28	a 43.35	11	43.4	25	43.4	22	43.4
29	43.4	12	43.4	26	43.4	23	43.3
30	43.4	13	43.4	27	43.2	24	43.2
31	43.4	14	43.4	28	43.3	Nov. 5	a 43.42
Sept. 1	43.4	15	43.4	29	43.3	Dec. 11	a 43.12
2	43.4	16	43.4	30	43.3		

a Tape measurement at odd hour.

Be-17 (*1019, p. 31; 1026, p. 29). N. Knight. NE¼NW¼ sec. 5, T. 7 S., R. 9 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	43.47	Apr. 15	42.71	July 10	42.84	Oct. 8	43.57
Feb. 13	42.71	May 7	42.70	Aug. 7	42.84	Nov. 5	45.82
Mar. 13	42.42	June 12	42.59	Sept.11	43.78	Dec. 11	45.52

Calcasieu Parish

Cu-2 (*909, p. 32; 939, p. 18; 947, p. 22; *989, p. 24; 1019, p. 31; 1026, p. 29). Town of Vinton. Westernmost of 3 air-lift wells at ice plant, in Vinton. Measurements discontinued.

Cu-5 (*989, p. 32; 939, p. 18; 947, p. 22; *989, p. 24; 1019, p. 31; 1026, p. 30). Jim Turner. SE¼ sec. 8, T. 8 S., R. 8 W. Measurements discontinued.

Cu-13 (*989, p. 24; 1019, p. 32; 1026, p. 30). Magnolia Petroleum Co. SW¼SE¼ sec. 4, T. 10 S., R. 9 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.9	....	14.1	14.0	14.2	14.3	15.0	16.2	17.5	14.6	14.7	14.9
2	13.9	14.0	14.1	14.0	14.2	14.3	15.0	16.3	17.5	14.6	14.6	14.9
3	14.0	14.0	14.1	14.0	14.2	14.3	15.1	16.3	17.6	14.6	14.5	14.9
4	14.0	14.0	14.1	14.0	14.2	14.4	15.1	16.4	17.6	14.6	14.6	14.9
5	14.0	14.0	14.1	14.1	14.2	14.4	15.2	16.4	17.7	14.6	14.6	14.9
6	13.9	14.0	14.1	14.1	14.2	14.4	15.2	16.5	17.8	14.5	14.6	14.9
7	13.9	14.0	14.1	14.1	14.2	14.4	15.2	16.5	17.8	14.5	14.7	14.9
8	13.8	14.0	14.1	14.1	14.2	....	15.3	16.5	17.9	14.5	14.7	14.8
9	13.8	14.0	14.2	14.1	14.2	....	15.3	16.6	17.9	14.6	14.7	14.8
10	13.8	14.0	14.2	14.1	14.2	....	15.4	16.6	17.9	14.6	14.7	14.8
11	13.8	14.0	14.2	14.1	14.2	14.5	15.4	16.6	18.0	14.7	14.7	14.8
12	13.8	14.0	14.2	14.1	14.2	14.5	15.4	16.7	18.0	14.7	14.7	14.7
13	13.8	14.0	14.2	14.1	14.2	14.5	15.5	16.7	18.0	14.7	14.7	14.7
14	13.9	14.0	14.2	14.1	14.2	14.5	15.5	16.8	18.1	14.8	14.8	14.7
15	13.8	14.0	14.1	14.1	14.2	14.5	15.6	16.8	18.1	14.6	14.9	14.6
16	13.8	14.1	14.1	14.1	14.3	14.5	15.6	16.9	18.2	14.6	14.8	14.6
17	14.9	14.1	14.1	14.2	14.3	14.6	15.6	16.9	18.2	14.7	14.8	14.6
18	14.9	14.1	14.1	14.2	14.3	14.6	15.6	17.0	18.3	14.6	14.8	14.6
19	14.9	14.1	14.1	14.2	14.3	14.6	15.7	17.0	18.3	14.6	14.9	14.5

Cu-13--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
20	14.8	14.1	14.1	14.2	14.3	14.6	15.7	17.1	18.4	14.6	14.9	14.5
21	14.7	14.1	14.1	14.2	14.3	14.7	15.7	17.1	18.4	14.6	14.9	14.4
22	14.7	14.1	14.1	14.2	14.3	14.7	15.8	17.1	18.5	14.6	14.9	14.1
23	14.8	14.1	14.1	14.2	14.3	14.7	15.8	17.2	18.6	14.6	14.8	14.1
24	14.8	14.1	14.1	14.2	14.3	14.8	15.8	17.2	17.9	....	14.8	14.1
25	14.9	14.1	14.1	14.2	14.4	14.8	15.8	17.2	17.6	14.6	14.9	14.1
26	13.8	14.1	14.1	14.2	14.3	14.8	15.9	17.3	16.3	14.6	14.9	14.3
27	....	14.1	14.0	14.2	14.4	14.9	15.9	17.3	15.6	14.6	14.9	14.3
28	....	14.1	14.0	14.2	14.4	14.9	16.0	17.3	15.0	14.6	14.9	14.3
29	....		14.0	14.2	14.4	15.0	16.1	17.4	14.6	14.7	14.9	14.3
30	....		14.0	14.2	14.3	15.0	16.2	17.4	14.6	14.7	14.9	14.3
31	....		14.0		14.3		16.2	17.5		14.7		14.2

Cu-18 (*989, p. 24; 1019, p. 32; 1026, p. 30). W. T. Burton. NE¼NW¼ sec. 20, T. 10 S., R. 9 W. Measurements discontinued.

Cu-19 (*989, p. 25; 1019, p. 32; 1026, p. 30). Bell Estate. SW¼NE¼ sec. 10, T. 10 S., R. 10 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.1	17.7	17.2	16.7	16.8	17.3	18.7	19.7	22.1	22.3	21.9	20.6
2	18.1	17.7	17.3	16.7	16.8	17.3	18.7	19.7	22.1	22.3	21.9	20.7
3	18.1	17.7	17.3	16.7	16.8	17.4	18.7	19.8	22.1	22.2	21.9	20.7
4	18.1	17.7	17.3	16.7	16.8	17.4	18.7	19.9	22.1	22.1	21.9	20.7
5	18.0	17.6	17.2	16.7	16.8	17.4	18.7	20.0	22.1	22.1	21.9	20.7
6	18.0	17.6	17.2	16.7	16.8	17.5	18.7	20.1	22.1	22.1	21.9	20.6
7	18.0	17.5	17.2	16.7	16.8	17.5	18.7	20.3	22.0	22.1	21.9	20.6
8	18.0	17.5	17.2	16.6	16.8	....	18.8	20.4	22.0	22.0	21.8	20.5
9	18.0	17.4	17.2	16.6	16.8	....	18.8	20.5	22.0	22.0	21.8	20.5
10	18.0	17.4	17.2	16.7	16.8	....	18.8	20.6	22.1	21.9	21.8	20.4
11	17.9	17.4	17.2	16.7	16.8	17.5	18.9	20.6	22.1	21.9	21.7	20.3
12	17.9	17.4	17.1	16.7	16.7	17.5	18.9	20.6	22.1	21.9	21.7	20.2
13	17.9	17.3	17.0	....	16.8	17.6	19.0	20.6	22.2	21.9	21.7	20.1
14	18.0	17.3	16.9	....	16.8	17.6	19.0	20.6	22.2	21.9	21.6	20.1
15	17.9	17.3	16.8	....	16.8	17.7	19.1	20.7	22.2	21.9	21.6	20.1
16	17.9	17.3	16.8	....	16.8	17.8	19.2	20.7	22.2	21.9	21.5	20.0
17	17.9	17.3	16.8	16.8	16.8	17.8	19.2	20.8	22.2	21.8	21.5	20.0
18	17.9	17.3	16.8	16.9	16.8	17.9	19.2	20.8	22.2	21.7	21.4	19.7
19	17.9	17.2	16.8	16.9	16.9	18.0	19.2	21.0	22.2	21.7	21.4	19.7
20	17.9	17.2	16.8	16.9	16.9	18.0	19.2	21.1	22.2	21.7	21.3	19.5
21	17.8	17.2	16.8	16.9	17.0	18.1	19.2	21.3	22.2	21.7	21.2	19.3
22	17.8	17.2	16.8	16.9	17.0	18.3	19.2	21.4	22.2	21.7	21.2	18.1
23	17.9	17.3	16.8	16.9	17.0	18.3	19.2	21.6	22.2	21.7	21.1	19.0
24	17.9	17.3	16.8	16.9	17.0	18.4	19.2	21.7	22.3	21.7	21.1	18.6
25	17.9	17.3	16.8	16.9	17.1	18.5	19.3	21.8	22.2	21.7	21.0	18.7
26	17.9	17.3	16.7	16.8	17.1	18.6	19.3	21.9	22.2	21.8	21.0	18.6
27	17.9	17.3	16.7	16.8	17.2	18.7	19.4	22.0	22.2	21.8	20.9	18.5
28	17.9	17.3	16.7	16.7	17.2	18.7	19.4	22.0	22.2	21.8	20.9	18.4
29	17.9		16.6	16.7	17.3	18.7	19.5	22.0	22.2	21.9	20.8	18.4
30	17.8		16.6	16.7	17.3	18.7	19.5	22.0	22.2	21.9	20.8	18.3
31	17.8		16.6		17.4		19.6	22.1		21.9		18.3

Cu-21 (*1026, p. 31). Continental Oil Co. SW¼SE¼ sec. 8, T. 10 S., R. 9 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	32.32	Feb. 1	32.48	Mar. 1	32.04	Apr. 10	31.32
16	32.46	8	32.18	6	31.84	17	31.37
19	32.36	15	32.39	20	31.33	24	31.26
25	32.53	22	32.15	27	31.12	May 1	31.07

Cu-21--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 7	30.83	July 1	31.72	Aug. 30	33.70	Oct. 22	32.85
10	30.33	8	31.76	Sept. 6	32.72	Nov. 1	32.79
17	29.70	15	31.96	13	32.50	8	32.98
24	30.06	22	32.07	20	32.75	15	32.32
31	30.15	29	32.17	Oct. 4	32.56	20	32.30
June 10	30.91	Aug. 16	32.10	11	32.74	Dec. 11	32.27
17	31.17	23	32.57	17	32.80	27	32.67
24	31.59						

Cu-22 (*989, p. 25; 1019, p. 32; 1026, p. 31). Magnolia Petroleum Co. SE¼SE¼ sec. 8, T. 10 S., R. 9 W. Measuring point, top of 7-inch casing, 0.88 foot above land-surface datum.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.4	18.8	18.2	17.4	17.4	18.7	22.0	24.0	26.2	25.6	25.3	22.3
2	19.3	18.7	18.3	17.1	17.4	18.8	22.3	23.9	26.2	25.3	25.3	22.5
3	19.2	18.6	18.2	17.2	17.5	19.0	22.3	23.7	26.0	25.2	25.3	22.3
4	19.2	18.6	18.0	17.3	17.7	19.1	22.1	23.7	25.9	25.2	25.3	22.3
5	19.0	18.4	17.9	17.3	17.7	19.0	22.2	23.6	25.9	25.1	25.3	22.3
6	19.1	18.4	17.8	17.2	17.6	19.0	22.2	23.6	25.7	25.0	25.2	22.1
7	19.1	18.3	17.9	17.3	17.6	18.9	22.2	23.6	25.6	24.9	25.3	21.9
8	19.0	18.1	17.9	17.3	17.7	....	22.2	23.7	25.5	25.1	25.2	21.9
9	19.3	18.3	17.9	17.4	17.5	....	22.3	23.7	25.5	25.2	25.0	21.7
10	19.3	18.5	17.8	17.6	17.4	....	22.4	23.8	25.6	25.3	25.0	21.6
11	19.0	18.6	17.8	17.6	17.3	19.3	22.5	23.9	25.8	25.3	25.0	20.3
12	19.3	18.3	17.5	17.7	17.2	19.3	22.5	24.0	25.8	25.5	25.0	20.2
13	19.3	18.0	17.1	17.7	17.3	19.3	22.6	24.2	25.9	25.5	24.8	21.3
19	19.2	18.3	17.1	17.7	17.4	19.4	22.5	24.3	25.8	25.3	24.5	21.3
15	18.9	18.2	17.1	17.8	17.8	19.5	22.4	24.5	25.8	25.3	24.0	21.3
16	19.0	18.2	17.0	17.7	18.2	19.6	22.2	24.8	25.7	25.2	23.7	21.2
17	19.0	18.1	17.2	17.9	18.4	19.7	22.1	24.9	25.7	25.2	23.8	20.8
18	19.0	18.0	17.4	18.0	18.6	19.8	22.2	25.0	25.7	25.2	23.5	20.2
19	18.9	18.1	17.4	17.9	18.7	20.0	22.3	25.2	25.8	25.2	23.2	19.8
20	18.8	18.2	17.4	17.9	18.5	20.2	22.3	25.4	25.9	25.2	23.0	19.5
21	18.9	18.2	17.3	18.0	18.6	20.3	22.3	25.4	26.2	25.2	22.9	19.4
22	19.0	18.2	17.4	17.9	18.7	20.5	22.4	25.5	26.3	25.1	23.0	19.2
23	18.9	18.2	17.3	17.8	18.8	20.7	22.5	25.6	26.4	25.1	22.9	19.0
24	19.0	18.2	17.3	17.8	19.0	21.0	22.7	25.6	26.5	25.3	22.8	18.9
25	18.9	18.1	17.2	17.7	19.1	21.3	23.0	25.6	26.7	25.3	22.7	19.0
26	18.9	18.0	17.1	17.6	19.2	21.5	23.2	25.7	26.6	25.5	22.6	18.8
27	19.1	18.1	17.1	17.3	19.2	21.6	23.3	25.8	26.4	25.4	22.7	18.6
28	19.1	18.2	17.1	17.4	19.2	21.7	23.6	25.9	26.3	25.5	22.6	18.5
29	18.8		17.3	17.4	19.0	21.8	23.7	25.9	26.3	25.5	22.3	18.6
30	18.7		17.3	17.4	18.9	21.9	23.7	26.0	26.2	25.4	22.2	18.7
31	18.8		17.5		18.6		24.0	26.0		25.4		18.6

Cu-25 (*1019, p. 33; 1026, p. 32). Lake Charles Country Club. NW¼SW¼ sec. 22, T. 10 S., R. 9 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	23.26	Apr. 18	20.90	July 9	25.47	Oct. 10	26.00
Feb. 13	21.92	May 7	20.79	Aug. 6	26.52	Nov. 6	24.60
Mar. 14	21.51	June 11	22.32	Sept. 12	26.00		

Cu-34 (*1026, p. 32). Gulf States Utilities. NE¼NE¼ sec. 31, T. 9 S., R. 8 W. New measuring point, floor of recorder house which is 6.79 feet above land-surface datum.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.1	12.5	11.5	12.3	....	11.9	15.0	17.4	....	19.0	16.8	.....
2	14.9	11.7	11.9	11.6	12.7	11.9	14.5	17.2	....	18.5	17.5	....
3	14.9	12.1	11.2	12.1	12.8	11.4	15.4	....	....	18.2	17.7	....

Cu-34--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	14.1	11.6	11.8	11.6	12.9	11.7	15.1	....	....	18.8	17.3	16.2
5	14.3	11.4	11.8	12.5	12.3	11.1	15.1	....	....	18.2	16.9	15.6
6	13.4	11.1	11.6	12.4	12.2	10.9	....	a17.5	a20.2	17.9	16.9	15.2
7	14.0	12.3	10.9	12.4	13.0	10.9	....	17.7	....	18.0	....	14.0
8	14.0	12.4	10.9	10.9	13.3	....	....	17.7	....	18.3	17.3	15.0
9	13.5	12.5	11.3	11.6	13.3	....	15.2	17.8	....	17.6	18.1	14.6
10	14.4	12.7	11.1	11.8	13.2	....	15.7	....	....	17.7	16.7	....
11	12.9	12.0	11.0	12.2	12.8	11.7	16.1	17.9	....	17.6	16.7	15.4
12	12.0	12.5	11.5	....	12.7	11.3	....	17.9	....	18.6	17.1	15.8
13	11.8	12.2	11.2	12.0	12.5	11.2	....	....	20.7	17.6	....	15.5
14	12.2	11.9	11.1	10.9	12.7	12.0	....	....	....	18.2	....	15.3
15	8.4	11.9	....	10.5	12.6	12.1	....	....	....	17.8	16.4	15.4
16	8.5	12.2	....	11.5	12.0	12.2	16.0	a18.5	....	18.0	16.4	15.5
17	11.8	11.7	....	11.7	12.1	12.3	15.8	18.3	....	18.5	16.6	15.6
18	11.9	11.5	....	10.5	11.4	11.7	16.1	....	....	17.8	16.2	15.9
19	11.7	12.3	....	11.3	11.8	12.7	15.9	....	....	18.6	....	....
20	11.4	12.0	....	....	11.8	12.9	15.5	....	a19.9	18.0	16.9	....
21	11.1	12.2	11.5	10.7	12.1	13.9	16.0	....	....	18.4	16.0	....
22	12.0	12.3	11.5	11.4	12.2	....	15.1	....	....	17.9	16.7	....
23	12.0	12.0	10.6	10.8	12.5	....	15.1	a19.3	....	17.6	16.7	a14.4
24	11.6	11.4	11.3	11.0	12.5	....	16.2	19.4	....	18.0	....	....
25	12.3	11.2	11.4	11.7	12.2	13.6	16.4	....	....	17.5	....	....
26	11.5	11.8	11.3	11.7	12.4	14.3	16.6	....	....	18.7	....	....
27	12.3	12.0	11.4	12.2	12.1	14.6	16.0	....	a19.1	15.9	16.4	....
28	12.3	12.1	10.4	11.7	11.6	14.5	16.2	....	18.3	16.4	15.6	....
29	12.4		11.1	....	12.2	14.6	16.3	....	19.0	15.6	16.0	....
30	12.2		12.2	....	12.2	14.8	18.0	a19.6	18.6	18.2	16.1	....
31	12.4		12.4		10.5		17.7	20.0		15.2		....

a Tape measurement, not necessarily at noon

Cu-42 (*1019, p. 33; 1026, p. 32). Long-Bell Lumber Co. NW¼NE¼ sec. 29, T. 9 S., R. 8 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	20.35	Apr. 15	18.96	July 9	23.10	Oct. 8	26.52
Feb. 12	19.32	May 6	18.93	Aug. 6	25.09	Nov. 4	25.52
Mar. 12	18.24	June 13	19.96	Sept.10	26.45	Dec. 11	22.10

Cu-47. Missouri Pacific Railroad. NW¼NE¼ sec. 9, T. 10 S., R. 8 W. Abandoned railroad well, diameter 7.25 inches, depth 575 feet. Measuring point, top of 7¼-inch casing which is 1.3 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 10, 25.35.

Cu-56 (*1019, p. 33; 1026, p. 32). Gable Lodges. SE¼NE¼ sec. 32, T. 9 S., R. 9 W. Measurements discontinued.

Cu-59 (*989, p. 25; 1019, p. 33; 1026, p. 32). Thomas Simmons. NE¼NW¼ sec. 27, T. 9 E., R. 9 W.

Water level, in feet below land-surface datum, 1946

Jan. 5	69.60	Mar. 1	68.32	May 7	63.15	July 8	68.61
12	69.36	6	68.15	10	61.76	15	69.02
19	69.18	20	68.06	17	65.30	Aug. 16	69.55
25	69.23	27	67.23	31	67.17	23	69.80
Feb. 1	69.04	Apr. 10	67.48	June 10	68.15	30	69.80
8	68.90	17	67.50	17	68.72	Sept.12	68.93
15	68.90	24	67.45	24	69.19	21	68.40
22	68.61	May 1	66.47	July 1	68.54		

Cu-109. Vinton Petroleum Co. SE¼SE¼ sec. 33, T. 10 S., R. 12 W. Abandoned industrial well, diameter 6 inches, depth 650 feet. Measuring point, top of 4-inch plug, 2.00 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 9, 1.81; Nov. 5, 1.47; Dec. 11, 1.25.

Cu-115 (*1019, p. 33; 1026, p. 32). Krause & Managan. SE¼SE¼ sec. 11, T. 9 S., R. 10 W. Water levels, in feet below land-surface datum, 1946: Oct. 8, 3.43; Nov. 5, 5.26; Dec. 11, 4.77.

Cu-120 (*989, p. 25; 1019, p. 34; 1026, p. 32). Mathieson Alkali Co. SE¼NW¼ sec. 36, T. 11 S., R. 10 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	9.20	Apr. 16	8.32	July 9	9.26	Oct. 9	11.77
Feb. 12	8.79	May 6	8.34	Aug. 6	10.13	Nov. 6	11.33
Mar. 12	8.48	June 11	8.09	Sept.12	12.50	Dec. 11	10.63

Cu-125 (*1019, p. 34; 1026, p. 33). Cooper Patterson. NE¼NW¼ sec. 34, T. 10 S., R. 10 W.

Water level, in feet below land-surface datum, 1946

Jan. 10	20.27	Apr. 16	19.03	July 9	21.00	Oct. 9	23.74
Feb. 12	19.69	May 6	19.08	Aug. 7	23.57	Nov. 6	23.47
Mar. 12	18.36	June 11	20.38	Sept.12	24.97	Dec. 10	21.27

Cu-128 (*1019, p. 34; 1026, p. 33). W. D. Jones. NE¼SE¼ sec. 25, T. 9 S., R. 8 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	15.85	Apr. 15	13.33	July 9	17.70	Oct. 8	21.31
Feb. 12	14.52	May 6	13.37	Aug. 6	20.18	Nov. 8	19.56
Mar. 12	13.68	June 13	14.77	Sept.10	21.98	Dec. 9	17.45

Cu-133 (*1019, p. 34; 1026, p. 33). Shell Petroleum Co. NE¼NE¼ sec. 13, T. 9 S., R. 7 W. Measurements discontinued.

Cu-147 (*1019, p. 34; 1026, p. 33). J. S. Metzer. NE¼NW¼ sec. 18, T. 18 S., R. 6 W. Measurements discontinued.

Cu-161 (*1019, p. 34; 1026, p. 33). Calcasieu-Marine National Bank. SE¼SE¼ sec. 26, T. 11 S., R. 7 W.

Water level, in feet below land-surface datum, 1946

Jan. 10	14.34	Apr. 18	11.83	Aug. 6	12.67	Nov. 6	18.51
Feb. 13	13.11	May 8	12.44	Sept.12	27.24	Dec. 10	16.23
Mar. 14	12.35	July 9	9.18				

Cu-163 (*1019, p. 34; 1026, p. 33). Stanolind Oil & Gas Co. NW¼SE¼ sec. 5, T. 11 S., R. 7 W. Water levels, in feet below land-surface datum, 1946: Jan. 10, 17.42; Feb. 13, 16.35; Mar. 14, 15.56; Apr. 18, 15.52.

Cu-170 (*989, p. 25; 1019, p. 34; 1026, p. 33). A. L. Gayle. NW¼NW¼ sec. 5, T. 11 S., R. 7 W. Measurements discontinued.

Cu-173. Charles Linkswiler. NE¼SW¼ sec. 26, T. 10 S., R. 8 W. Used irrigation well, diameter 24 inches, depth 557 feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum, along pipe being 1.0 foot. Water levels, in feet below land-surface datum, 1946: Oct. 10, 35.37; Nov. 6, 33.99; Dec. 10, 32.11.

Cu-175 (*1019, p. 34; 1026, p. 33). L. G. Wittler. SE¼NE¼ sec. 4, T. 11 S., R. 8 W. Measurements discontinued.

Cu-205 (*1019, p. 35; 1026, p. 33). Frank Gibson. SE¼SE¼ sec. 22, T. 8 S., R. 8 W.

Water level, in feet below land-surface datum, 1946.

Date	Water level	Dater	Water level	Date	Water level	Date	Water level
Jan. 9	15.00	Mar. 12	17.43	Oct. 8	23.76	Dec. 11	20.19
Feb. 12	14.04	Apr. 15	17.22	Nov. 8	21.88		

Cu-208. W. L. Caldwell. NE¼NW¼ sec. 6, T. 8 S., R. 5 W. Used drilled irrigation well, diameter 24 inches. Equipped with turbine pump. Measuring point lower lip of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 2.08 feet. Water levels, in feet below land-surface datum, 1946: Oct. 8, 27.15; Nov. 5, 26.14.

Cu-209. J. P. Tucker. NW¼NE¼ sec. 14, T. 9 S., R. 9 W. Used domestic well, diameter 3 inches, depth 200 feet. Equipped with suction pump. Measuring point, top of 3-inch casing, which is 1.23 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 8, 43.99; Nov. 5, 44.27; Dec. 10 43.57.

Cu-215 (*1019, p. 35; 1026, p. 33). Newport Industries. SW¼SE¼ sec. 18, T. 7 S., R. 10 W. Measurements discontinued.

Cu-219. Humble Oil Co. SW¼SW¼ sec. 32, T. 7 S., R. 10 W. Abandoned domestic well, diameter 4 inches, depth 300 feet. Measuring point, top of bushing, 2.58 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Jan. 9	28.78	Apr. 15	28.16	June 12	27.96	Aug. 7	28.81
Feb. 13	28.19	May 7	28.17	July 10	28.29	Oct. 8	30.49
Mar. 13	27.95						

Cu-222 (*989, p. 26; 1019, p. 35; 1026, p. 33). Hardy Johnson. NW¼SW¼ sec. 3, T. 9 S., R. 13 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	4.18	Apr. 16	4.76	July 10	5.00	Oct. 8	6.82
Feb. 13	4.37	May 7	4.85	Aug. 7	6.18	Nov. 5	5.94
Mar. 13	4.45	June 12	4.38	Sept.11	7.42	Dec. 11	5.55

Cu-228 (*1019, p. 35; 1026, p. 34). R. Boyer. SW¼NW¼ sec. 14, T. 9 S., R. 12 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	13.49	Apr. 16	12.56	July 10	16.09	Oct. 8	15.46
Feb. 13	12.95	May 7	14.92	Aug. 7	16.19	Nov. 2	14.49
Mar. 13	12.60	June 12	13.43	Sept.11	19.12		

Cu-240 (*1019, p. 35; 1026, p. 34). Owner unknown. NW¼NW¼ sec. 28, T. 9 S., R. 11 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	11.58	Apr. 16	10.64	July 10	11.40	Oct. 8	13.42
Feb. 13	12.14	May 7	10.67	Aug. 7	12.22	Nov. 5	13.19
Mar. 13	11.78	June 12	11.02	Sept.11	13.55	Dec. 11	12.70

Cu-245 (*1026, p. 34). W. R. Keever. NE¼NW¼ sec. 34, T. 8 S., R. 10 W.

Water level, in feet below land-surface datum, 1946

Jan. 9	6.56	June 12	6.28	Sept.11	8.05	Nov. 5	8.37
Apr. 15	6.45	July 10	6.39	Oct. 8	8.28	Dec. 11	7.65
May 7	6.67	Aug. 7	6.84	25	8.15		

Cu-262 (*1019, p. 38; 1026, p. 34). Calcasieu Parish School Board. NW¼NW¼ sec. 6, T. 11 S., R. 10 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	9.65	Apr. 16	8.79	July 9	9.54	Oct. 9	11.91
Feb. 12	9.28	May 6	8.92	Aug. 7	10.56	Nov. 6	11.70
Mar. 12	8.98	June 11	8.96	Sept.12	12.50	Dec. 10	11.08

Cu-267 (*1019, p. 35; 1026, p. 34). Owner unknown. SE¼SW¼ sec. 8, T. 11 S., R. 8 W.

Water level, in feet below land-surface datum, 1946

Jan. 10	16.32	Apr. 17	15.50	July 9	16.93	Oct. 10	18.40
Feb. 13	15.95	May 7	15.44	Aug. 6	18.48	Nov. 6	18.00
Mar. 13	15.52	June 11	16.43	Sept.12	18.48	Dec. 11	17.39

Cu-347. Amy Wait Estate. NE¼NE¼ sec. 26, T. 9 S., R. 7 W. Used drilled irrigation well, diameter 24 inches, depth 280 feet. Equipped with turbine pump. Measuring point, lower edge of hole in barrel-head cover, which is 1.15 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 8, 29.97; Nov. 8, 26.50; Dec. 9, 25.17.

Cu-440 (*1019, p. 35; 1026, p. 34). War Department. NE¼NW¼ sec. 2, T. 10 S., R. 8 W. No measurements made in 1946.

Cu-445 (*1026, p. 34). U. S. Dept. of Commerce, War Assets Administration. SW¼SE¼ sec. 18, T. 10 S., R. 9 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.8	33.8	34.4	31.7	....	34.2	37.2	39.6	41.0	40.5	42.4	40.6
2	33.6	33.4	34.3	31.0	32.7	35.3	37.2	39.1	40.9	40.1	42.6	41.0
3	33.6	33.3	33.6	33.4	32.4	35.9	37.4	39.1	40.7	40.3	42.3	40.7
4	33.8	32.8	33.1	31.8	31.8	34.8	36.8	39.0	40.7	41.3	42.4	40.3
5	33.9	32.5	32.6	31.7	31.9	35.5	36.7	39.1	40.3	41.4	42.6	40.6
6	34.1	33.0	32.7	31.8	32.1	35.0	37.1	39.0	40.8	40.1	42.7	39.5
7	34.2	33.1	33.2	31.9	33.2	34.9	36.9	39.1	40.8	39.7	42.3	39.8
8	34.3	33.4	32.8	32.0	33.1	....	37.0	39.2	40.6	39.7	41.7	39.3
9	34.7	33.8	32.7	32.7	33.0	....	36.6	39.0	39.6	40.3	42.1	39.6
10	34.4	33.6	32.9	32.8	32.5	....	36.9	39.1	39.9	40.7	42.3	39.6
11	34.6	33.1	32.9	32.4	32.4	35.0	37.0	39.2	41.1	40.6	42.4	39.2
12	34.7	32.5	31.0	32.7	32.5	35.2	37.1	39.3	41.3	40.6	43.1	38.7
13	34.7	32.3	32.9	33.0	32.8	35.1	37.1	39.4	41.2	40.7	41.9	39.2
14	34.4	32.8	32.2	33.3	33.6	35.0	37.1	39.8	40.6	40.4	41.6	39.1
15	34.1	32.5	32.4	33.5	33.7	35.3	36.4	39.9	40.6	40.0	41.2	39.3
16	34.3	33.1	32.3	33.4	33.9	35.3	36.2	40.2	40.5	40.0	41.3	38.7
17	34.2	33.5	32.4	34.0	34.8	35.4	36.3	40.2	40.2	39.7	41.1	37.0
18	34.3	33.0	32.6	32.9	34.9	35.4	37.5	40.2	39.9	39.7	40.8	33.1
19	34.4	33.8	32.2	33.9	34.7	35.4	37.9	40.2	40.4	39.7	41.0	34.3
20	34.1	33.8	32.6	....	34.7	35.5	38.0	40.5	40.7	40.2	40.7	33.0
21	33.9	33.9	32.2	....	34.5	35.6	37.8	40.7	42.4	40.3	40.7	32.4
22	34.3	33.8	32.5	....	34.4	36.1	38.0	40.7	42.9	40.2	41.5	32.4
23	34.5	33.8	32.3	....	34.6	36.4	38.0	41.0	42.0	40.3	41.1	32.1
24	34.3	33.5	32.1	....	34.8	37.1	38.4	41.1	43.4	42.3	41.2	32.9
25	34.1	33.5	32.0	....	....	37.8	38.5	40.9	43.9	43.9	41.0	32.4
26	34.2	33.6	32.2	....	....	37.1	38.7	41.0	43.9	42.7	41.0	32.1
27	34.2	33.4	32.1	....	....	37.0	38.7	41.0	43.8	42.7	41.2	32.1
28	34.3	34.1	32.1	....	....	37.0	38.7	41.0	43.9	42.8	41.1	32.4
29	33.8		32.2	....	....	36.8	38.7	41.0	43.1	43.0	40.7	32.4
30	33.6		32.4	....	....	36.7	38.3	40.9	42.9	42.9	40.5	32.6
31	33.8		32.3		....		39.8	41.1		42.5		32.4

Cu-446 (*1026, p. 35). U. S. Dept. of Commerce, War Assets Administration. SW¼SE¼ sec. 18, T. 10 S., R. 9 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.8	29.5	27.8	28.1	26.3	27.8	32.6	....	36.3	35.4	32.5	29.6
2	30.9	29.9	28.5	28.1	26.6	27.1	32.7	....	36.3	35.6	31.9	29.8
3	30.7	29.9	29.1	28.1	26.6	27.0	32.7	....	36.2	35.5	31.8	....
4	30.6	29.5	29.2	28.4	26.7	27.1	32.6	....	36.2	33.2	31.8	29.7
5	30.7	29.2	29.0	28.5	26.8	27.0	32.8	....	34.5	35.0	31.9	29.6
6	30.8	27.4	28.8	28.2	26.7	29.2	33.0	34.5	34.9	35.3	31.8	29.4
7	30.8	26.6	28.8	28.0	26.4	29.4	33.0	34.8	35.0	35.4	31.8	29.2
8	28.4	28.2	28.9	27.6	26.4	....	32.9	34.8	35.4	35.3	31.9	29.0
9	27.6	28.3	28.9	27.6	26.3	....	32.8	34.8	35.4	35.9	31.7	28.9
10	30.0	29.0	28.8	27.2	26.2	....	32.8	34.7	35.5	35.9	31.5	28.7
11	30.5	29.3	28.8	28.6	26.1	29.8	33.4	34.7	35.5	36.0	31.4	28.6
12	30.7	29.1	28.4	28.7	26.1	29.8	33.5	34.7	35.4	36.0	31.4	28.5
13	30.7	28.7	27.9	28.9	26.1	29.9	33.6	34.8	35.2	36.0	....	28.6
14	30.9	29.9	28.2	29.0	26.1	30.1	33.6	34.9	35.6	35.5	....	28.5
15	28.5	29.6	28.2	28.8	26.2	30.2	33.6	35.2	35.7	34.8	30.9	28.5
16	29.9	29.3	28.2	28.9	26.6	30.2	33.7	35.3	35.7	34.7	30.6	28.4
17	29.8	30.0	28.2	29.0	26.3	30.3	33.3	35.4	35.8	34.3	30.7	28.7
18	29.9	29.3	28.4	29.0	26.5	30.7	33.3	35.6	....	34.2	30.6	....
19	29.7	29.1	28.5	28.8	26.6	30.8	33.3	35.8	....	34.2	30.4	....
20	29.6	29.1	....	28.9	26.6	31.0	33.3	36.0	35.9	34.2	30.7	....
21	29.9	29.1	28.6	26.8	26.7	31.1	33.4	35.8	35.9	34.1	30.4	....
22	29.9	29.0	28.6	25.7	26.7	31.3	33.4	35.8	34.0	34.0	30.7	....
23	29.8	29.0	28.8	25.5	28.3	31.5	33.5	35.8	33.0	34.4	29.9	....
24	29.8	29.1	28.6	25.2	26.7	31.6	33.6	35.9	32.9	....	29.8	30.2
25	30.5	29.0	28.2	24.2	26.7	31.8	33.7	35.9	32.9	....	29.7	30.2
26	30.2	28.8	27.8	23.0	26.8	32.0	33.9	36.0	32.9	31.9	29.7	30.1
27	29.9	28.9	27.8	22.8	26.9	33.3	34.1	36.1	32.8	31.8	....	30.2
28	29.9	29.0	28.1	24.8	26.9	32.4	34.2	36.2	33.2	31.9	29.8	30.4
29	29.6		28.3	23.0	26.8	32.5	34.3	36.2	33.2	31.8	29.8	30.4
30	29.5		28.5	25.6	26.7	32.6	34.3	36.2	33.2	31.8	29.7	30.5
31	29.5		28.3		28.4		....	36.4		32.1		30.2

Cu-448 (*1026, p. 35). Town of Maplewood. SW¼SW¼ sec. 32, T. 9 S., R. 9 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	25.96	Mar. 20	25.01	May 31	26.16	Aug. 16	31.48
12	25.96	27	23.92	June 10	26.22	23	32.20
19	25.60	Apr. 10	24.39	17	27.04	30	32.65
25	26.44	17	24.53	24	27.32	Sept. 27	32.23
Feb. 1	25.51	24	24.33	July 1	29.09	Oct. 4	32.46
8	25.57	May 1	24.41	8	29.30	11	32.08
15	25.14	7	24.23	15	29.46	17	31.72
22	25.45	10	24.22	22	29.97	25	31.32
Mar. 1	24.92	17	24.98	29	30.03	Dec. 23	26.00
6	24.57						

Cu-451. Stanolind Oil & Gas Co. SW¼ sec. 3, T. 11 S., R. 7 W. Used drilled irrigation well, diameter 10 inches, depth 380 feet. Equipped with suction pump. Measuring point, bottom lip of inclined discharge pipe which is 4.06 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Sept. 12, 42.79; Nov. 5, 32.07.

Cameron Parish

Cn-4 (*1026, p. 35). Union Sulphur Co. SW¼SW¼ sec. 36, T. 12 S., R. 10 W.

Cn-4--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	3.57	Apr. 16	4.12	July 9	4.30	Oct. 9	5.74
Feb. 12	3.65	May 6	4.40	Aug. 6	4.33	Nov. 6	6.44
Mar. 12	3.67	June 11	4.14	Sept.12	7.37	Dec. 10	8.43

Cn-8 (*989, p. 26; 1019, p. 35; 1026, p. 35). Broussard Estate. SW¼SE¼ sec. 13, T. 12 S., R. 9 W.

Water level, in feet below land-surface datum, 1946

Jan. 10	4.58	Apr. 17	3.66	July 9	4.83	Oct. 10	7.16
Feb. 13	4.08	May 7	3.59	Aug. 6	6.32	Nov. 6	6.00
Mar. 13	3.54	June 11	3.41	Sept.13	8.39	Dec. 11	5.94

Cn-10 (*1026, p. 35). Hebert, Helms & Co. SE¼NW¼ sec. 28, T. 12 S., R. 7 W.

Water level, in feet below land-surface datum, 1946

Jan. 10	7.76	Apr. 17	6.13	July 9	9.90	Oct. 10	12.49
Feb. 13	6.93	May 8	6.08	Aug. 6	13.03	Nov. 6	10.88
Mar. 14	6.34	June 11	5.42	Sept.12	16.14	Dec. 10	9.28

Cn-16. Maple Hughes. NW¼NW¼ sec. 21, T. 12 S., R. 4 W. Used drilled irrigation well. Equipped with turbine pump. Measuring point, bottom lip of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 1.6 feet.

Water level, in feet below land-surface datum, 1946

Jan. 11	7.12	Apr. 18	5.97	July 11	7.34	Nov. 7	9.92
Feb. 14	6.69	May 8	5.80	Aug. 8	9.59	Dec. 13	8.57
Mar. 14	6.09	June 13	6.57	Sept.10	11.53		

Cn-17 (*1026, p. 35). John Predia. NW¼NW¼ sec. 4, T. 15 S., R. 8 W.

Water level, in feet below land-surface datum, 1946

Jan. 10	3.11	Apr. 17	2.66	July 9	2.25	Oct. 9	2.88
Feb. 13	2.69	May 18	2.59	Aug. 6	2.74	Nov. 6	3.20
Mar. 13	2.55	June 11	1.88	Sept.12	3.25	Dec. 10	3.59

Cn-18. Rutherford. NW¼SE¼ sec. 31, T. 14 S., R. 7 W. Used drilled domestic well, diameter 2 inches. Cylinder pump installed June 11, 1946. Measuring point, top of 2-inch collar, which is 1.4 feet above land-surface datum.

Water level, in feet with reference to land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 10	-0.22	Mar. 14	+0.45	May 8	+0.35
Feb. 13	+.13	Apr. 17	+.30		

Cn-19. Warren Miller. NW¼ sec. 32, T. 14 S., R. 7 W. Unused drilled stock well, diameter 2 inches, depth 360 feet. Measuring point, top edge of 2-inch coupling, which is 0.93 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

July 9	1.70	Sept.12	3.04	Nov. 6	3.05
Aug. 4	2.32	Oct. 9	2.91	Dec. 10	2.99

Cn-20. Julian East. SE¼SE¼ irregular sec. 40, T. 14 S., R. 6 W. Used drilled domestic well, diameter 2 inches, depth 350 feet. Equipped with pressure pump. Measuring point, top of 1¼-inch section of pipe above tee, which is 2.0 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 10, 6.82; Nov. 6, 6.42; Dec. 10, 6.98.

East Baton Rouge Parish

EB-4 (*1019, p. 35; 1026, p. 36). Standard Oil Co. of New Jersey. N½ irregular sec. 46, T. 7 S., R. 1 W. Recorder removed May 14, 1946. Tape measurements thereafter.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May
1	141.9	126.3	109.8	120.5	138.5
2	141.9	125.1	107.9	121.3	140.3
3	142.0	123.7	106.2	123.4	142.7
4	141.9	123.8	105.9	124.7	142.3
5	141.2	123.2	104.8	125.3	142.3
6	141.6	121.2	104.7	126.9	142.8
7	142.0	119.9	104.0	125.4	143.5
8	142.4	119.8	105.1	125.4	143.7
9	142.7	118.6	106.0	123.7	143.9
10	142.5	116.2	109.8	124.1	144.8
11	142.4	114.9	109.1	124.4	147.1
12	140.7	114.0	109.5	127.9	146.5
13	139.4	115.3	112.5	127.9	145.5
14	140.5	114.9	113.2	123.0	147.2
15	139.9	113.2	113.8	123.9	.....
16	142.3	116.0	114.3	124.1	.....
17	137.8	117.8	112.4	125.4	.....
18	138.9	115.9	111.5	127.8	.....
19	144.8	114.4	111.1	129.4	.....
20	143.0	114.0	110.7	128.1	.....
21	140.5	112.8	112.4	129.6	.....
22	138.6	113.4	114.4	129.3	.....
23	137.8	112.8	112.2	129.2	.....
24	137.0	112.5	112.0	130.2	.....
25	135.8	111.5	112.0	.....	.....
26	134.8	111.4	115.2	133.7	.....
27	131.5	112.6	116.1	134.6	.....
28	130.8	110.5	115.8	134.8	.....
29	130.3		115.7	135.0	.....
30	130.8		115.8	136.0	.....
31	129.2		118.5		.....

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 24	143.14	Aug. 23	197.15	Oct. 11	185.70	Dec. 3	132.10
June 14	155.57	30	181.98	18	166.96	10	128.60
22	175.44	Sept. 6	200.35	28	154.80	17	132.45
July 2	179.28	20	191.32	Nov. 5	149.52	23	131.02
Aug. 5	193.57	27	199.59	14	141.30	31	130.00
16	198.20	Oct. 4	193.20	26	136.40		

EB-9 (*1019, p. 36; 1026, p. 36). Standard Oil Co. of New Jersey, Louisiana Division. N½ irregular sec. 44, T. 7 S., R. 1 W. Measurements discontinued.

EB-10 (*1019, p. 36; 1026, p. 36). Standard Oil Co. of New Jersey, Louisiana Division. N½ irregular sec. 44, T. 7 S., R. 1 W. No measurements made in 1946.

EB-15 (*909, p. 32; 939, p. 19; 947, p. 23; *989, p. 26; 1019, p. 37; 1026, p. 36). Standard Oil Co. of New Jersey, Louisiana Division. At Baton Rouge refinery, southeast of tank 67.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	133.6	116.3	105.5	118.3	130.0	147.1	172.5	184.0	186.9	191.4	154.4	142.6
2	134.9	116.3	106.9	118.9	131.9	147.7	173.2	184.6	186.4	188.9	153.2	142.7
3	135.5	116.6	105.8	118.3	133.8	146.1	171.6	184.2	186.9	188.2	152.6	142.0

EB-15--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	135.6	118.7	105.2	119.0	135.2	147.5	173.8	183.4	187.0	189.4	151.6	138.8
5	134.2	116.8	105.0	120.0	136.1	145.9	172.9	183.1	189.3	187.9	151.6	141.1
6	133.5	114.8	106.0	.....	138.2	146.9	173.9	186.5	190.2	188.2	151.1	142.0
7	133.4	113.8	104.7	.....	142.1	147.3	174.8	187.0	188.1	188.2	150.9	139.0
8	133.1	113.1	107.5	.....	143.3	147.4	175.7	187.7	189.1	188.3	150.5	140.2
9	132.9	112.4	108.4	.....	146.5	148.7	177.9	187.2	189.0	184.7	151.4	140.1
10	132.1	113.2	109.0	.....	146.5	147.9	176.3	189.0	188.4	184.2	148.8	139.1
11	131.4	113.0	107.8	.....	147.7	150.1	176.4	187.4	191.1	184.2	148.4	136.7
12	130.7	113.0	110.2	122.9	145.5	150.2	177.0	188.4	192.5	182.6	147.4	134.0
13	128.9	111.9	112.5	.....	146.0	151.5	180.2	138.3	191.9	179.8	146.8	136.1
14	128.7	110.1	111.6	.....	146.1	153.3	179.6	187.7	192.3	177.1	146.4	136.3
15	128.0	110.8	112.6	121.0	143.8	155.5	178.4	188.5	191.9	174.7	144.6	135.9
16	.....	109.5	112.6	.....	144.5	158.1	177.6	189.3	191.8	171.3	143.9	136.9
17	.....	110.2	111.9	.....	144.0	159.0	178.1	189.4	191.5	168.7	144.4	141.4
18	.....	108.0	111.4	.....	142.5	160.2	178.4	188.9	191.4	166.7	144.2	140.3
19	130.3	108.6	110.9	126.3	140.9	161.3	177.8	188.9	192.3	165.8	142.7	139.6
20	128.9	106.6	110.5	125.7	141.2	162.9	178.0	189.1	189.7	164.8	142.3	141.7
21	127.7	108.8	112.2	126.9	141.6	165.5	177.6	189.4	190.1	162.6	142.3	143.6
22	125.9	109.3	113.2	127.3	142.6	166.8	178.5	189.0	189.1	162.2	140.9	140.6
23	125.3	108.4	112.5	127.8	142.7	165.1	183.2	186.8	188.6	162.2	142.1	141.2
24	124.6	107.9	112.4	128.7	141.5	167.2	181.4	187.3	188.4	160.3	141.6	141.1
25	123.7	106.1	111.8	129.0	143.6	166.2	181.2	188.6	188.2	158.7	147.0	139.5
26	122.7	106.5	113.2	129.2	142.8	168.5	181.2	186.2	190.5	157.5	144.6	139.8
27	120.3	106.5	115.8	127.8	143.5	169.1	181.5	186.9	190.3	158.3	142.2	140.6
28	119.1	105.7	115.9	128.1	142.9	170.5	183.3	187.5	189.4	157.4	142.9	142.0
29	118.6		113.9	127.1	143.9	171.1	183.5	187.8	189.4	155.7	145.0	138.6
30	118.7		116.7	128.7	146.5	172.3	184.1	188.1	189.5	154.8	143.3	139.5
31	117.1		115.6		146.1		.....	187.6		154.6		139.6

EB-17 (*1019, p. 37; 1026, p. 37). Standard Oil Co. of New Jersey, Louisiana Division. Irregular sec. 44, T. 7 S., R. 1 W., Baton Rouge refinery, west of No. 1 boilerhouse. No measurements made in 1946.

EB-20 (*1019, p. 37; 1026, p. 37). Standard Oil Co. of New Jersey, Louisiana Division. Irregular sec. 43, T. 7 S., R. 1 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	143.6	127.9	112.6	125.0	141.4	148.8	184.2	195.4	202.0	200.7	154.8	136.5
2	143.3	127.3	111.6	125.4	144.6	149.3	185.4	197.7	201.1	196.8	153.2	136.3
3	143.2	126.2	110.3	127.2	147.4	148.4	185.0	196.3	200.3	195.8	150.8	136.0
4	143.1	127.0	109.8	128.2	148.3	149.1	186.1	197.4	200.8	195.1	150.4	135.3
5	142.3	125.5	108.8	129.5	148.2	150.1	186.1	195.8	203.2	193.8	150.8	135.2
6	142.9	124.3	107.8	129.8	148.9	152.9	186.5	197.6	203.6	193.5	149.7	135.2
7	143.2	123.5	107.6	129.5	149.9	154.4	187.4	197.8	201.7	194.8	147.6	134.1
8	143.2	122.9	108.4	129.1	150.5	153.7	188.0	198.3	202.8	194.5	148.0	134.9
9	143.4	122.1	111.1	127.5	150.4	153.6	190.2	198.4	202.5	194.3	147.8	133.6
10	143.0	120.1	113.5	128.3	151.0	153.0	189.3	199.4	201.5	189.0	146.9	131.7
11	143.0	119.0	113.3	136.6	151.3	155.1	190.8	198.2	203.2	187.9	145.9	131.6
12	142.2	118.2	113.5	128.4	150.4	154.6	191.9	200.0	202.9	182.9	144.1	129.9
13	139.7	119.1	115.6	129.4	150.2	155.5	192.9	202.8	203.7	182.0	143.8	132.7
14	140.5	118.6	116.2	128.3	150.9	159.4	192.5	202.3	206.4	189.8	142.6	133.7
15	140.0	116.9	117.0	129.4	148.9	164.4	192.2	204.5	206.6	175.9	143.4	133.2
16	144.0	118.2	117.4	129.7	148.1	167.3	191.5	204.4	206.6	171.5	141.7	133.4
17	146.8	119.2	116.4	130.7	146.9	169.3	193.2	204.7	206.6	169.2	141.4	134.7
18	146.9	117.4	115.9	.....	145.6	171.5	195.1	202.3	204.4	167.8	140.7	135.3
19	141.9	116.5	115.4	132.9	145.0	174.6	194.6	203.3	203.7	165.8	140.6	137.6
20	139.8	115.9	115.2	133.5	144.6	177.0	196.1	203.9	201.9	162.8	140.8	136.0
21	137.9	115.2	116.5	134.4	147.0	178.6	195.9	204.3	199.3	160.7	140.3	133.8
22	136.1	115.1	118.8	134.2	148.3	179.1	197.7	202.7	197.7	159.4	140.2	133.7
23	135.0	114.1	116.8	133.7	148.3	179.0	198.3	202.1	196.9	161.7	139.3	132.7
24	134.0	113.9	116.5	134.6	148.9	180.2	196.2	203.1	196.4	159.1	138.9	.....
25	133.0	113.0	116.5	136.9	148.9	181.0	195.6	203.2	196.9	157.7	138.0	.....

EB-20--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	132.0	112.9	119.1	136.3	149.3	183.1	196.0	202.3	198.8	157.9	137.9	.....
27	128.7	113.7	121.2	136.8	149.4	182.9	196.5	203.6	200.9	156.3	137.0	.....
28	128.5	112.6	121.0	136.6	147.6	183.1	197.3	203.9	200.4	155.3	136.3	.....
29	127.9		120.0	137.2	148.3	184.6	196.5	204.8	201.1	154.6	136.4	.....
30	127.8		120.1	139.3	149.6	184.9	196.8	204.3	201.4	154.2	136.9	.....
31	129.0		123.0		149.3		196.9	203.8		155.1		132.7

EB-22 (*909, p. 33; 939, p. 19; 947, p. 23; 989, p. 26; 1019, p. 38; 1026, p. 38). Standard Oil Co. of New Jersey. At Baton Rouge refinery, southwest of tank 784.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	135.4	122.0	108.7	116.0	132.9	148.0	172.9	185.4	191.1	191.1	153.0	136.3
2	134.6	122.8	108.5	117.1	135.0	148.3	174.3	185.8	192.9	191.3	151.8	136.3
3	134.5	121.5	108.4	119.8	134.5	147.4	174.5	184.5	192.0	189.9	150.5	136.0
4	134.4	119.3	108.4	121.2	136.0	148.2	175.6	186.2	192.0	189.5	150.2	135.3
5	133.8	118.8	108.2	123.0	136.7	147.7	175.7	183.9	193.9	188.0	150.3	134.0
6	134.2	118.1	108.9	123.4	137.3	149.9	174.8	185.0	194.6	188.0	149.0	133.8
7	134.8	117.3	109.2	123.4	138.1	150.2	175.3	185.5	192.5	189.3	148.6	133.2
8	133.9	116.4	108.8	122.1	138.7	148.6	176.3	187.0	192.7	189.1	148.8	133.3
9	134.1	115.8	107.3	121.4	139.7	148.2	177.1	187.9	193.7	188.8	147.5	131.5
10	133.4	112.9	106.8	122.7	140.1	147.9	177.5	188.3	193.6	187.4	146.8	132.3
11	133.0	112.2	106.6	125.3	.....	149.5	178.7	187.1	195.3	186.9	146.2	131.7
12	132.7	111.8	106.4	123.6	.....	149.1	.....	186.9	196.1	183.9	145.3	130.4
13	130.5	113.4	106.7	122.7	.....	148.8	.....	188.3	195.9	183.4	145.5	131.5
14	131.0	112.9	108.3	122.3	.....	153.0	.....	188.2	196.2	181.8	144.1	131.5
15	130.5	111.1	109.4	123.1	.....	156.5	.....	189.3	195.6	176.6	143.6	132.6
16	134.0	112.9	111.2	123.7	.....	158.5	178.6	191.7	195.4	172.6	142.9	133.9
17	137.5	113.2	111.4	125.1	.....	160.1	179.6	191.2	195.8	170.8	142.1	134.1
18	139.2	112.2	111.4	126.2	143.2	161.8	180.0	188.8	195.5	168.9	140.9	132.7
19	134.9	111.7	112.5	125.9	143.5	163.0	181.2	190.1	195.2	167.8	140.5	133.4
20	133.1	111.4	113.7	126.6	143.5	164.3	183.1	191.2	194.3	165.6	140.5	133.2
21	130.3	109.3	114.1	127.3	144.4	165.3	182.6	190.4	191.9	164.0	138.9	133.5
22	128.7	109.5	115.9	127.6	145.7	167.6	183.2	190.3	191.7	163.2	138.7	133.4
23	127.7	108.5	116.0	127.8	146.0	167.7	183.4	190.8	191.5	163.1	138.0	133.3
24	125.8	108.1	116.3	128.9	145.6	168.4	182.8	191.3	191.1	162.3	137.4	134.2
25	125.9	107.6	114.9	129.6	144.1	168.0	182.8	191.3	191.6	160.7	136.9	133.8
26	125.1	107.5	115.6	127.8	144.1	170.2	182.9	191.6	190.9	159.3	137.0	133.3
27	123.8	108.8	117.9	129.1	143.9	170.8	183.4	192.8	191.9	156.9	136.0	134.8
28	124.1	108.8	118.6	128.8	144.9	171.4	183.9	193.1	192.2	155.8	135.9	134.6
29	123.7		116.8	129.0	145.7	173.1	183.9	194.1	192.4	154.5	136.8	133.1
30	124.0		113.5	131.0	146.8	173.0	183.7	193.2	191.7	154.2	136.2	132.7
31	123.7		115.1		147.0		183.6	192.1		153.4		132.1

EB-28 (*1019, p. 39; 1026, p. 38). Standard Oil Co. of New Jersey. At Baton Rouge refinery, southwest of tank 177.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.1	4.1	7.3	8.0	9.1	8.8	10.9	12.4	12.6	14.5	16.9	15.1
2	4.2	4.1	7.3	8.0	9.0	8.6	11.1	12.6	12.5	14.5	16.9	15.0
3	4.2	4.2	7.4	7.9	9.2	8.6	11.1	12.8	12.5	14.5	17.3	14.9
4	4.2	4.2	7.4	8.0	9.1	8.7	11.1	12.8	12.8	14.6	17.8	14.9
5	4.0	4.3	7.4	8.0	9.1	8.7	....	12.6	13.0	14.8	17.8	14.8
6	3.9	4.4	7.3	7.9	9.0	8.8	....	12.8	13.1	14.5	17.8	14.4
7	3.9	4.4	7.2	7.9	9.1	7.9	....	13.1	13.3	14.2	17.8	14.7
8	3.8	5.1	7.1	7.9	9.0	8.0	....	13.3	13.3	14.4	17.8	14.7
9	3.9	5.4	7.0	8.2	8.9	7.9	10.8	13.4	13.1	14.5	17.8	14.7
10	4.0	5.6	7.0	8.1	8.9	8.4	11.1	13.5	13.3	14.5	17.8	14.7
11	4.1	5.9	7.0	8.0	8.9	8.9	11.3	13.4	13.2	14.3	17.8	14.7
12	4.6	6.1	7.1	8.1	8.7	9.0	11.4	12.7	13.2	14.1	17.8	14.6

EB-28--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	4.9	6.4	7.1	8.5	8.6	9.2	11.1	12.5	13.4	13.9	16.1	14.7
14	5.0	6.7	7.2	8.4	8.5	10.5	11.0	12.4	13.4	13.6	16.0	14.7
15	4.5	7.0	7.3	8.4	8.3	10.7	11.0	12.3	13.4	13.7	15.3	14.7
16	4.3	7.0	7.2	8.4	8.3	10.9	11.3	12.2	13.2	13.9	15.3	14.6
17	4.3	7.1	7.4	8.4	8.2	10.8	11.5	12.1	13.5	13.8	15.2	14.4
18	4.2	7.2	7.5	8.4	8.2	10.9	11.5	12.0	13.7	14.0	15.2	14.3
19	4.2	7.2	7.5	8.4	8.2	10.7	11.6	11.7	13.9	14.2	15.1	14.3
20	4.0	7.4	7.8	8.4	8.1	11.0	11.7	11.8	13.8	14.8	15.0	14.1
21	4.1	7.4	7.9	8.5	8.1	11.2	11.7	12.3	14.0	15.3	15.2	14.2
22	4.2	7.4	7.8	8.6	8.3	11.1	11.7	....	14.0	15.6	15.8	14.2
23	4.1	7.4	7.8	8.8	8.2	11.0	11.6	....	13.9	15.9	15.8	14.2
24	4.1	7.4	7.8	8.7	8.2	11.0	11.8	....	13.9	16.1	15.7	14.2
25	4.0	7.4	7.9	8.6	8.3	11.1	11.9	....	14.3	16.2	15.6	14.2
26	4.0	7.4	7.8	8.6	8.3	11.2	12.2	....	14.3	16.7	15.5	14.2
27	4.1	7.4	7.8	8.9	8.3	11.1	12.4	12.6	14.5	16.1	15.2	14.2
28	4.0	7.3	7.7	8.9	8.6	10.9	12.6	12.5	14.6	16.0	15.1	14.2
29	4.0		7.9	9.0	8.7	11.0	12.6	12.7	14.6	16.4	15.0	14.2
30	4.0		7.9	9.1	8.8	11.0	12.5	12.6	14.4	16.6	14.9	14.3
31	4.0		7.9		8.9		12.3	12.7		16.8		....

EB-45 (*909, p. 33; 939, p. 20; 947, p. 24; *989, p. 27; 1019, p. 39; 1026, p. 39). Standard Oil Co. of New Jersey, Louisiana Division. At Baton Rouge refinery, east well on dock approach.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	91.29	Mar. 29	62.13	June 25	129.50	Nov. 26	88.10
11	88.68	Apr. 5	81.13	July 2	132.58	Dec. 3	86.10
31	70.00	26	79.12	9	137.81	10	83.20
Feb. 22	69.29	May 3	79.93	Aug. 5	147.10	17	85.25
Mar. 1	66.57	24	81.41	16	157.49	23	86.25
8	59.20	June 14	83.22	Nov. 14	94.70	31	84.70
22	61.15						

EB-51 (*1019, p. 39). Standard Oil Co. of New Jersey, Louisiana Division. At Baton Rouge refinery. Measurements discontinued.

EB-78 (*1019, p. 39; 1026, p. 39). Solvay Process Co. Sec. 42, T. 7 S., R. 1 W. Measurements discontinued.

EB-83 (*989, p. 28; 1019, p. 39; 1026, p. 39). Gulf States Utilities. In Baton Rouge, at power house on Government Street, about 20 feet west of building and 50 feet from street curb.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	17.6	20.7	22.8	25.9	26.8	22.7	23.8	17.4	16.7
2	....	18.1	21.0	21.6	25.7	27.0	21.6	24.0	18.7	17.5
3	....	18.7	21.7	21.5	25.4	27.1	24.3	24.2	18.2	18.2
4	....	....	21.8	22.2	25.0	26.5	23.7	24.2	18.2	18.5
5	....	19.2	20.6	22.6	24.0	25.5	24.3	24.4	19.2	18.8
6	....	19.5	21.9	22.6	23.6	26.3	24.9	22.9	19.6	19.1
7	....	18.8	21.7	23.1	23.1	26.8	23.7	22.7	19.6	19.3
8	16.6	19.4	21.9	23.2	23.9	27.2	22.3	22.8	19.6	18.0
9	16.9	19.7	....	22.2	25.4	27.6	22.8	22.9	19.6	18.4
10	16.1	20.4	22.6	22.9	26.2	27.7	23.0	22.7	18.8	18.6
11	16.5	21.3	22.4	23.4	25.5	26.8	23.2	22.6	19.0	18.9
12	17.7	....	20.5	23.9	25.7	26.7	23.9	22.3	19.3	19.2
13	17.1	21.4	20.5	24.3	26.0	27.1	24.0	21.3	18.9	19.6
14	16.8	20.4	21.1	24.3	25.9	27.4	24.2	21.8	18.7	19.8
15	17.2	21.2	21.4	24.8	26.0	27.2	23.3	22.3	18.7	19.1
16	16.4	21.5	21.2	25.5	24.7	27.1	23.5	22.5	18.7	19.3

EB-83--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
17	15.5	21.6	21.3	25.3	25.3	26.5	23.9	21.9	17.6	19.9
18	15.8	21.8	21.6	24.9	25.3	24.0	23.9	21.0	17.9	19.9
19	16.7	21.8	....	25.0	25.5	24.6	24.7	20.5	18.4	19.9
20	16.6	....	....	24.9	25.6	24.6	24.5	19.5	18.4	19.9
21	16.3	20.0	....	23.6	24.7	24.9	24.3	19.4	18.7	20.1
22	16.6	19.8	....	24.7	25.7	25.1	23.4	19.5	19.2	18.8
23	17.2	21.0	....	24.1	25.7	25.6	23.6	19.0	18.4	18.5
24	16.2	20.6	22.3	25.0	26.2	25.5	23.9	18.8	18.2	17.5
25	16.6	20.4	22.1	25.0	26.5	24.6	24.3	18.7	18.5	16.3
26	17.3	21.2	20.9	25.1	26.8	24.8	24.2	19.2	18.5	16.2
27	17.5	21.3	22.5	25.4	26.9	24.9	23.8	16.9	18.0	17.1
28	17.6	20.1	22.3	25.7	26.1	24.9	24.0	16.7	17.2	16.1
29	17.7	20.1	22.9	25.9	26.6	24.7	23.0	16.6	17.1	16.9
30	17.8	20.5	23.0	24.7	26.5	24.7	23.3	16.7	17.6	....
31	17.2		22.8		26.8	25.1		17.1		16.9

EB-84 (*989, p. 30; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in W½ sec. 74, T. 7 S., R. 1 W. Measurements discontinued.

EB-86 (*989, p. 30; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in sec. 74, T. 7 S., R. 1 W. Measurements discontinued.

EB-88 (*989, p. 30; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in sec. 74, T. 7 S., R. 1 E. Measurements discontinued.

EB-89 (*989, p. 30; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in sec. 74, T. 7 S., R. 1 E. No measurements made in 1946.

EB-90 (*989, p. 30; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in sec. 74, T. 7 S., R. 1 E. No measurements made in 1946.

EB-91 (*989, p. 29; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in W½ sec. 74, T. 7 S., R. 1 E. Measurements discontinued.

EB-92 (*989, p. 29; 1019, p. 40; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in W½ sec. 74, T. 7 S., R. 1 E. Measurements discontinued.

EB-94 (*989, p. 29; 1019, p. 41; 1026, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in W½ sec. 74, T. 7 S., R. 1 E. Measurements discontinued.

EB-101 (*989, p. 31; 1019, p. 41; 1026, p. 41). Baton Rouge Water Works Co. In Baton Rouge, in sec. 41, T. 6 S., R. 1 W. Measurements discontinued.

EB-125 (*909, p. 34; 939, p. 21; 947, p. 25; 989, p. 31; 1019, p. 41; 1026, p. 41). Peoples Ice & Fuel Co. In Baton Rouge, at 1931 Railroad Avenue.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Apr. 20	101.28	Aug. 27	138.84	Dec. 23	103.76
Aug. 16	137.73	Sept.12	144.88	31	84.28

EB-128 (*909, p. 34; 939, p. 21; 947, p. 25; 989, p. 31; 1019, p. 41; 1026, p. 41). Ice Service, Inc. In Baton Rouge, at 135 S. 15h Street.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	74.4	69.9	68.4	....	78.3	....	96.3	101.7	104.9	97.2	86.5
2	....	74.2	69.7	68.5	....	78.4	....	96.5	101.8	105.0	86.8	86.4
3	....	73.8	69.5	68.6	....	78.6	87.5	96.7	102.0	105.1	96.5	85.8
4	....	73.4	69.3	68.8	74.0	78.8	88.7	96.9	102.2	105.2	96.1	85.6
5	79.6	....	69.2	68.8	74.1	79.0	....	97.2	102.3	105.0	95.8	85.4
6	79.4	....	69.0	68.9	74.2	79.2	....	97.4	102.4	104.9	95.5	85.0
7	79.2	72.6	68.9	....	74.4	79.3	....	97.6	102.7	104.8	95.1	84.8
8	79.6	72.5	68.7	....	74.6	79.5	....	97.8	102.8	104.7	94.8	84.5
9	79.0	72.3	68.6	....	74.8	79.6	89.3	98.2	102.9	104.6	94.5	84.3
10	78.8	72.2	68.4	....	74.8	79.8	89.6	98.4	102.9	104.5	94.0	84.0
11	78.7	72.1	68.3	....	75.1	80.0	90.0	98.4	103.0	104.5	93.4	84.1
12	78.7	72.0	68.2	....	75.3	80.0	90.5	98.6	103.2	104.5	93.0	84.1
13	78.8	71.7	68.0	70.3	75.6	....	90.8	98.7	103.4	104.3	92.6	83.6
14	78.3	71.7	67.9	....	75.9	....	91.2	98.8	103.4	104.1	92.1	83.4
16	78.2	71.6	67.9	70.4	76.1	80.7	91.6	99.1	103.5	103.9	91.9	83.2
16	78.1	71.4	67.9	70.5	76.4	80.9	91.9	99.3	103.6	103.7	91.5	83.0
17	77.8	71.2	67.9	70.6	76.7	81.2	92.7	99.4	103.8	103.4	91.1	82.7
18	77.8	71.1	67.9	....	....	81.4	92.5	99.4	103.9	103.2	90.8	82.6
19	77.6	70.9	68.0	....	....	81.8	92.9	99.7	.....	102.9	90.4	82.4
20	77.4	70.9	68.1	....	....	82.2	93.2	99.7	104.3	102.5	90.1	82.2
21	77.2	70.8	68.1	....	....	82.7	93.5	99.9	104.3	102.1	89.7	82.1
22	77.1	70.7	68.2	....	....	....	93.8	100.1	104.4	101.6	89.6	82.0
23	76.9	70.5	68.0	....	....	83.6	94.1	100.4	104.4	101.1	89.1	81.9
24	76.7	70.4	67.9	....	77.9	84.1	94.4	100.5	104.5	100.6	88.8	81.8
25	76.5	70.2	67.9	72.3	77.9	84.6	94.8	100.6	104.5	100.1	88.4	81.6
26	76.2	70.0	67.9	72.5	77.9	....	95.1	100.1	104.6	99.7	88.1	81.5
27	75.9	69.9	67.9	72.7	77.9	....	95.4	100.8	104.7	99.2	89.7	81.5
28	75.6	69.9	68.0	....	78.0	....	95.6	100.9	104.7	98.8	87.4	81.3
29	75.2		68.1	....	78.1	....	95.8	101.0	104.7	98.6	87.1	81.2
30	74.9		68.2	....	78.3	....	95.8	101.3	104.8	98.0	86.8	81.3
31	74.6		68.3		78.4		96.0	101.5		97.7		81.1

EB-165. W. T. Baker Water Co. Sec. 74, T. 6 S., R. 1 E., 0.7 mile from Plank Road, west on road just north of Harding Field. Abandoned domestic well, diameter 4.0 inches, depth 1,200 feet. Measuring point, top side of 1.0 inch nipple in north side 4-inch casing, 1.6 feet above land-surface datum.

Water level, in feet above land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20	12.80	Aug. 24	11.6	Nov. 5	6.9	Nov. 14	8.3
Aug. 17	11.14	Sept. 7	10.2	7	6.5	Dec. 16	9.3
21	13.20						

EB-242 (*1026, p. 41). Louisiana State University. Sec. 74, T. 8 S., R. 1 W., under tree in farmyard, 0.6 mile south of Arlington.

Water level, in feet, with reference to land-surface datum, 1946

Jan. 7	-11.29	Mar. 11	+3.56	July 17	-7.11	Nov. 1	-18.70
22	-.33	13	+3.10	330	-12.35	3	-18.80
24	+.78	15	-2.48	Aug. 1	-12.43	6	-18.90
26	+1.75	20	-1.79	5	-13.50	9	-18.20
28	+2.80	22	-1.61	13	-15.65	14	-16.20
Feb. 1	+3.86	Apr. 4	-1.83	26	-16.37	22	-12.10
7	+2.86	10	-1.42	Sept.12	-17.50	26	-12.70
11	-1.75	24	-1.73	20	-18.30	Dec. 3	-12.50
14	-.21	30	-4.64	27	-18.10	7	-12.90
18	-1.60	May 3	-5.57	Oct. 4	-18.20	10	-13.00
20	-1.40	June 4	-.53	9	-18.50	12	-12.80
22	-1.95	17	-.84	11	-18.90	17	-13.80
25	-1.73	28	-4.45	18	-19.20	23	-11.00
27	-3.28	July 5	-4.08	28	-19.20	31	-11.00

EB-282 (*989, p. 32; 1019, p. 42; 1026, p. 42). Town of Zachary. N½ sec. 40, T. 5 S., R. 1 E. Water level, in feet above land-surface datum, 1946: July 20, 7.6.

EB-283 (*989, p. 32; 1019, p. 42; 1026, p. 42). Town of Zachary. N½ sec. 40, T. 5 S., R. 1 E. Water level, in feet above land-surface datum, 1946: July 20, 21.2.

EB-293 (*1019, p. 43; 1026, p. 42). Consolidated Chemical Industries, Inc. Sec. 37, T. 6 S., R. 1 W., in pumphouse at plant.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	108.5	97.3	84.6	90.5	106.9	117.2	140.5	151.3	158.2	157.0	120.9	103.4
2	108.3	96.9	84.1	91.1	108.9	116.6	141.1	151.6	158.2	154.8	120.4	103.2
3	108.1	96.0	83.4	91.8	110.3	116.3	141.7	151.5	157.6	153.2	119.5	103.0
4	108.1	95.5	82.7	93.4	112.2	116.1	142.6	151.9	156.0	152.1	118.6	101.8
5	107.4	94.9	82.3	94.6	113.4	116.4	142.5	151.8	155.7	150.2	118.2	101.5
6	107.5	94.3	81.7	95.4	114.1	116.8	142.9	151.7	156.4	149.5	117.7	101.1
7	107.5	93.9	81.5	95.9	114.6	117.8	143.6	.....	157.3	150.0	116.5	100.7
8	108.1	93.4	81.1	96.2	114.2	118.5	144.1	.....	157.3	150.0	115.8	100.4
9	108.4	92.9	81.6	95.2	115.2	118.5	144.7	.....	157.6	149.9	115.3	100.1
10	108.5	92.1	82.6	95.4	115.6	118.4	145.1	154.3	157.3	148.8	114.6	99.8
11	108.5	91.0	83.5	95.6	115.9	118.6	146.1	154.7	157.8	149.5	113.6	100.7
12	108.5	90.1	83.9	96.6	115.6	118.8	146.9	154.6	158.4	146.1	112.9	99.9
13	107.9	89.5	84.3	....	115.8	119.3	145.7	154.1	158.8	144.1	113.0	99.9
14	107.2	89.5	85.0	....	116.1	119.7	145.2	154.9	158.7	142.6	111.4	100.2
15	106.5	88.9	85.5	....	116.5	122.7	145.7	155.6	159.0	140.7	110.9	100.3
16	109.0	88.8	85.9	....	115.3	124.8	147.4	155.8	159.3	138.6	110.3	100.2
17	111.6	89.1	86.2	....	115.3	127.1	148.7	156.0	159.6	136.7	109.8	100.4
18	113.6	88.9	86.3	....	114.7	128.2	149.6	153.8	159.7	136.0	109.1	100.7
19	111.4	88.6	86.2	....	114.1	130.5	150.4	153.5	159.3	133.7	108.4	101.1
20	109.3	88.3	86.1	....	113.4	131.8	149.2	155.2	158.6	131.9	108.0	101.3
21	107.9	87.6	86.1	....	113.7	133.4	148.2	156.0	158.0	130.1	107.6	100.9
22	106.6	87.0	86.5	....	114.3	134.5	148.0	156.4	157.2	128.7	107.3	100.4
23	105.4	86.6	86.8	98.6	113.9	135.3	148.1	156.5	156.4	126.4	107.0	100.2
24	104.4	86.2	86.7	100.3	115.1	136.2	148.3	156.6	155.9	125.7	106.6	100.0
25	102.5	85.9	86.6	101.9	115.5	137.0	147.9	157.1	155.5	124.7	106.0	100.2
26	101.6	85.5	86.8	103.0	116.5	138.6	148.0	156.6	155.6	124.0	105.2	100.4
27	100.9	85.7	87.9	103.1	116.9	139.3	149.4	156.8	155.9	123.3	104.4	100.3
28	99.8	85.2	88.7	103.5	116.8	139.8	150.1	157.3	156.3	122.5	103.9	100.6
29	99.0		88.8	103.9	117.1	141.1	150.6	158.0	157.0	122.2	103.6	100.6
30	98.3		88.8	105.3	116.8	140.8	150.7	158.1	157.3	121.8	103.5	100.4
31	98.1		89.3		117.2		151.1	.....		121.3		100.5

EB-299 (*989, p. 32; 1019, p. 43; 1026, p. 42). Staring & Kirby. In Baton Rouge, at the corner of Istrouma Avenue and Haber Street, Capitol Heights. New measuring point, concrete well base, at land-surface datum. Water level, in feet above land-surface datum, 1946: Dec. 23, 8.2.

EB-300 (*989, p. 32; 1019, p. 43; 1026, p. 42). Scheinuk Florist. Capitol Heights. Measurements discontinued.

EB-301 (*989, p. 32; 1019, p. 44; 1026, p. 43). Mrs. H. B. Witter. At Baton Rouge, in W½ sec. 91, T. 7 S., R. 1 E., behind barn at Cedar Lodge Plantation, on Jefferson Highway. Water levels, in feet above land-surface datum, 1946: July 21, 9.5; Dec. 23, 5.9.

EB-302 (*989, p. 33; 1019, p. 44; 1026, p. 43). 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, behind residence. New measuring point, top of concrete block around casing, 0.60 foot above land-surface datum. Water levels, in feet above land-surface datum, 1946: July 21, 25.9; Dec. 23, 23.3.

EB-303 (*989, p. 33; 1019, p. 44; 1026, p. 43). Greenwell Springs Sanatorium well 1. E½ sec. 49, T. 5 S., R. 2 E. Water level, in feet above land-surface datum, 1946: July 21, 22.5.

EB-304 (*989, p. 33; 1019, p. 44; 1026, p. 43). Greenwell Springs Sanatorium well 2. E½ sec. 49, T. 5 S., R. 2 E. Water level, in feet above land-surface datum, 1946: July 21, 60.5.

EB-306 (*989, p. 33; 1019, p. 44; 1026, p. 43). A. C. Hernandez. NW¼ sec. 66, T. 6 S., R. 1 E. Water level, in feet above land-surface datum, 1946: Dec. 23, 10.2.

EB-307 (*989, p. 34; 1019, p. 44; 1026, p. 43). W. W. Bynum. Center of sec. 48, T. 6 S., R. 1 E. No measurements made in 1946.

EB-308 (*989, p. 34; 1019, p. 44; 1026, p. 43). W. E. Hanks. SW¼ sec. 50, T. 6 S., R. 1 E. Measurements discontinued.

EB-310 (*989, p. 34; 1019, p. 45; 1026, p. 43). H. B. Witter. NW¼ sec. 74, T. 6 S., R. 1 W. Measurements discontinued.

EB-311 (*989, p. 34; 1019, p. 45; 1026, p. 43). Suburban Water Co. well 2. In Baton Rouge, in sec. 42, T. 6 S., R. 1 W. Water level, in feet above land-surface datum, 1946: Mar. 26, 1.9.

EB-312 (*989, p. 34; 1019, p. 45; 1026, p. 43). Baton Rouge Water Works Co. North Highlands subdivision, Baton Rouge.

Water level, in feet above land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 15	14.1	July 26	12.1	Sept. 7	12.0	Dec. 16	7.8
July 10	13.0	Aug. 17	11.2	Nov. 14	5.6	24	7.3
17	12.7	23	10.3				

EB-314 (*989, p. 35; 1019, p. 45; 1026, p. 43). A. A. Morvant. N½ sec. 54, T. 5 S., R. 1 E., on south side of Lavy Lane, 1.3 miles west of Plank Road. New measuring point, top of 1-inch discharge pipe, at land-surface datum. Water levels, in feet above land-surface datum, 1946: July 20, 8.0; Oct. 21, 8.1.

EB-315 (*989, p. 35; 1019, p. 45; 1026, p. 43). E. J. Morgan. Center of sec. 96, T. 6 S., R. 1 E., at Zion City.

Water level, in feet with reference to land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Feb. 1	+2.1	July 15	-4.18	Sept.16	+2.5
Mar. 22	+2.9	Aug. 17	-4.8		

EB-316 (*989, p. 35; 1019, p. 45; 1026, p. 43). East Baton Rouge Parish School Board. S½ sec. 5, T. 6 S., R. 2 E. No measurements made in 1946.

EB-317 (*989, p. 35; 1019, p. 45; 1026, p. 43). H. H. Edwards. SW¼ sec. 6, T. 6 S., R. 2 E. No measurements made in 1946.

EB-318 (*989, p. 35; 1019, p. 45; 1026, p. 43). Tom Morgan. North side sec. 24, T. 6 S., R. 1 E. No measurements made in 1946.

EB-319 (*989, p. 36; 1019, p. 46; 1026, p. 44). W. H. Carpenter. Center of sec. 80, T. 6 S., R. 1 E. Measurements discontinued.

EB-320 (*989, p. 36; 1019, p. 46; 1026, p. 44). C. R. Core. NW¼ sec. 36, T. 5 S., R. 1 E. Measurements discontinued.

EB-321 (*989, p. 36; 1019, p. 46; 1026, p. 44). J. B. Carney. On east side of sec. 89, T. 5 S., R. 1 W. Water level, in feet below land-surface datum, 1946: July 20, 14.0.

EB-322 (*989, p. 36; 1019, p. 46; 1026, p. 44). T. E. Charlton. SE¼ sec. 29, T. 5 S., R. 1 E. Water levels, in feet above land-surface datum, 1946: Mar. 22, 48.9; Oct. 21, 47.3.

EB-323 (*989, p. 36; 1019, p. 46; 1026, p. 44). Standard Ice Box Co. On west side of sec. 42, T. 7 S., R. 1 W., between Third Street extension and Illinois Central Railroad. Measuring point, top of 1-inch pipe, at land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 22	2.86	Aug. 16	5.88	Oct. 28	8.00	Dec. 10	7.48
June 15	5.48	23	6.60	Nov. 5	8.11	17	6.85
Aug. 7	7.54	30	7.07	14	6.90	23	6.77
13	6.38	Oct. 18	9.04	Dec. 3	7.42	31	7.22

EB-345 (*1019, p. 46; 1026, p. 44). Leland College. Sec. 39, T. 5 S., R. 1 W. Water levels, in feet above land-surface datum, 1946: July 20, 34.6; Oct. 21, 31.3.

EB-362 (*1019, p. 46; 1026, p. 44). Ethyl Corporation. Sec. 41, T. 6 S., R. 1 W. Measurements discontinued.

EB-376 (*1026, p. 44). J. E. Butler. S½ sec. 75, T. 6 S., R. 1 W. Water levels, in feet below land-surface datum, 1946: Jan. 7, 54.0; Jan. 22, 53.1; Mar. 1, 49.0; Mar. 22, 46.9.

Evangeline Parish

Ev-1 (*886, p. 236; 909, p. 34; 939, p. 22; 947, p. 26; 989, p. 37; 1019, p. 46; 1026, p. 44). John LaHaye. SW¼ sec. 20, T. 4 S., R. 1 E.

Water level, in feet below land-surface datum, 1946

Jan. 8	50.67	Apr. 18	50.26	Sept.11	72.36	Nov. 7	56.59
Feb. 12	49.58	July 11	71.24	Oct. 10	59.71	Dec. 11	53.98
Mar. 14	48.67	Aug. 7	61.82				

Ev-2 (*886, p. 236; 909, p. 34; 939, p. 22; 947, p. 26; 989, p. 37; 1019, p. 47; 1026, p. 44). Dorestant Ardoin. North line sec. 37, T. 6 S., R. 1 W. Measuring point: (1) Bottom edge of discharge pipe, 6.25 feet above land-surface along inclined discharge pipe; (2) since Oct. 10, 1946, 8.00 feet above land-surface datum along inclined discharge pipe.

Water level, in feet below land-surface datum, 1946

Jan. 11	54.37	Apr. 18	59.22	Aug. 7	75.71	Nov. 7	63.86
Feb. 15	52.93	June 13	83.71	Oct. 10	68.59	Dec. 12	63.42
Mar. 14	51.71	July 11	82.70				

Ev-3 (*1019, p. 47; 1026, p. 44). Civilian Conservation Corps Camp No. 1427 (abandoned). SE¼ sec. 33, T. 2 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 8	31.46	Apr. 14	31.17	June 10	31.26	Oct. 3	31.75
Mar. 12	30.92	May 5	13.61	July 8	12.83	Nov. 7	31.88

Ev-4 (*909, p. 35; 939, p. 22; 947, p. 26; 989, p. 37; 1019, p. 47; 1026, p. 45). Rock Island Railway. SW¼ sec. 31, T. 1 S., R. 1 E.

Water level, in feet below land-surface datum, 1946

Jan. 8	26.59	Apr. 14	35.51	June 10	25.90	Oct. 3	31.11
Mar. 15	27.84	May 5	37.28	July 10	23.02	Nov. 7	31.89

Ev-14 (*1019, p. 47; 1026, p. 45). J. Perrodin. SW¼SW¼ sec. 34, T. 6 S., R. 2 W., 2.0 miles east of Basile, on north side of U. S. Highway 190.

Ev-14--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	45.93	Apr. 18	43.24	Aug. 7	54.88	Nov. 7	49.99
Feb. 15	44.65	June 13	60.07	Sept.11	57.55	Dec. 12	47.48
Mar. 14	44.60	July 11	55.45	Oct. 10	52.79		

Ev-18 (*1019, p. 47; 1026, p. 45). Alphonse LeFleur. NW¼NW¼ sec. 12, T. 6 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 11	39.11	Mar. 14	37.65	July 11	55.07
Feb. 15	38.74	Apr. 18	38.25	Nov. 7	44.75

Ev-23. Mrs. A. Swallow. Sec. 26, T. 5 S., R. 2 W. Used drilled irrigation well, diameter 12 inches, depth 360 feet. Measuring point, bottom edge inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 3.72 feet. Water levels, in feet below land-surface datum, 1946: Nov. 7, 43.81; Dec. 10, 41.68.

Ev-31 (*1019, p. 47; 1026, p. 45). Eddie Manuel. NE¼NE¼ sec. 20, T. 5 S., R. 1 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	45.65	Mar. 14	43.40	July 11	74.31	Oct. 10	58.49
Feb. 15	44.40	Apr. 18	45.72	Aug. 7	63.06		

Ev-37 (*1026, p. 45). Gordon Micks. SW¼ sec. 15, T. 3 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

June 14	27.07	Aug. 22	27.99	Oct. 16	27.84	Nov. 26	26.36
27	27.08	Sept. 9	27.75	30	27.93	Dec. 13	27.12
July 12	26.70	18	28.54	Nov. 15	27.47	27	27.30
26	27.05	Oct. 3	27.67				

Ev-39 (*1026, p. 45). P. E. Fontenot. SE¼ sec. 23, T. 3 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

June 14	18.52	Aug. 22	19.14	Oct. 16	19.44	Nov. 27	18.96
27	19.33	Sept. 9	19.34	30	19.60	Dec. 13	19.06
July 12	18.76	18	19.37	Nov. 15	19.14	27	19.04
26	18.96	Oct. 3	19.26				

Ev-41 (*1026, p. 45). Harvey Vidrine. NE¼ sec. 14, T. 3 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

June 14	18.30	Aug. 22	18.22	Oct. 16	18.34	Nov. 27	18.03
27	18.19	Sept. 9	18.23	30	18.36	Dec. 13	19.20
July 12	18.14	18	18.30	Nov. 15	18.25	27	18.14
26	18.12	Oct. 3	18.26				

Ev-46 (*1026, p. 45). Gordon Micks. NE¼SW¼ sec. 15, T. 3 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

June 14	28.96	July 12	28.61	Aug. 22	29.16	Oct. 3	29.38
27	28.86	26	28.80	Sept. 9	28.26	16	29.57

Ev-51 (*1026, p. 45). Eugelie Guillory. NE¼SW¼ sec. 13, T. 3 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 14	17.44	Aug. 22	17.35	Oct. 16	17.49	Nov. 27	7.92
27	10.24	Sept. 9	17.43	30	17.47	Dec. 13	16.35
July 12	17.24	18	17.46	Nov. 15	17.15	27	16.69
26	17.23	Oct. 3	17.37				

Grant Parish

G-2 (*845, p. 146; 886, p. 236; 909, p. 35; 939, p. 22; 947, p. 26; *989, p. 37; 1019, p. 47; 1026, p. 45). Carnahan, Hunthunce & Hargiss. Sec. 5, T. 5 N., R. 3 W. Measurements discontinued.

G-21 (*845, p. 146; 886, p. 236; 909, p. 36; 939, p. 23; 947, p. 26; 989, p. 37; 1019, p. 47; 1026, p. 45). U. S. Dept. of Agriculture. In Pollock, at Catahoula Fire Tower. Water levels, in feet below land-surface datum, 1946: July 24, 132.23; Nov. 14, 133.40.

G-27 (*845, p. 146; 909, p. 36; 939, p. 23; 947, p. 26; 989, p. 37; 1019, p. 47; 1026, p. 46). 4-H Club Camp. SE¼SW¼SW¼ sec. 4, T. 6 N., R. 1 E., in Fishville. Water levels, in feet above land-surface datum, 1946: Apr. 29, 2.20; Oct. 21, 2.10.

G-112 (*1026, p. 46). Town of Colfax. NW¼SW¼ sec. 2, T. 6 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Mar. 30	62.16	Oct. 21	74.69	Dec. 21	76.48
July 24	69.59	Nov. 14	75.71		

Iberia Parish

I-19 (*1019, p. 48; 1026, p. 46). Jefferson Island Planting Co. Irregular sec. 59, T. 12 S., R. 5 E., 1.0 mile southeast of Jefferson Island. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum, being 5.98 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	5.95	Apr. 16	4.23	July 9	4.22	Nov. 6	5.32
Feb. 13	5.00	May 7	5.09	Oct. 9	4.84	Dec. 10	5.54
Mar. 12	4.56						

Jackson Parish

Ja-12. Southern Advance Bag & Paper Co. NE¼SE¼ sec. 14, T. 15 N., R. 4 W. Abandoned drilled industrial well, diameter 10 inches, depth 512 feet. Measuring point, top of 12-inch casing, which is 5 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Mar. 7, 151.24; Mar. 28, 150.76; Mar. 30, 152.98.

Ja-13 (*1026, p. 46). Southern Advance Bag & Paper Co. well 7. NE¼SW¼ sec. 14, T. 15 N., R. 4 W., about 50 yards southwest of State Highway 101, 100 feet west of company well 15.

Ja-13--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.9	....	91.7	100.1	105.6	109.2	112.9	114.2	118.7	107.9	113.0
2	75.7	....	92.2	100.3	105.7	109.3	112.9	111.3	118.7	109.7	113.0
3	75.4	....	95.7	100.6	105.7	109.3	113.0	109.6	118.9	111.0	112.9
4	75.2	....	83.2	100.8	105.9	109.3	113.0	115.2	119.0	112.0	112.9
5	74.8	....	93.6	101.1	106.0	108.5	113.1	114.0	119.2	112.6	112.9
6	74.5	....	94.1	101.4	106.2	108.2	113.1	112.7	119.2	103.2	112.9
7	74.2	70.2	94.5	101.6	106.3	108.2	113.2	112.4	119.2	113.6	112.8
8	73.8	70.2	94.9	101.8	106.4	.....	113.2	111.9	119.1	113.7	112.8
9	73.6	70.2	95.5	102.1	106.6	.....	113.3	111.0	118.9	113.7	112.8
10	....	70.3	95.9	102.3	106.7	.....	113.3	110.4	118.7	113.7	112.7
11	....	70.3	96.2	102.5	106.0	.....	113.3	110.0	118.4	113.7	112.7
12	....	70.3	96.6	102.7	107.1	.....	113.4	109.5	118.3	114.0	112.6
13	....	70.3	97.0	103.0	107.2	.....	113.4	109.2	118.1	114.0	112.6
14	....	71.5	97.6	103.1	107.3	.....	113.4	108.6	118.0	114.2	112.5
15	....	73.2	98.2	103.2	107.5	.....	113.5	106.8	117.9	114.3	112.5
16	....	75.2	98.7	103.3	107.6	.....	113.5	112.4	112.7	114.2	112.5
17	....	77.2	99.0	103.4	107.8	.....	113.5	114.3	107.8	114.0	112.5
18	....	79.1	99.0	103.5	107.9	.....	113.6	115.4	104.4	113.9	122.5
19	....	80.8	99.0	103.7	108.0	.....	113.6	116.3	101.8	113.8	112.2
20	....	82.4	99.0	103.9	108.1	.....	113.6	116.7	99.5	113.7	111.7
21	....	83.8	99.0	104.1	108.2	.....	113.6	117.1	97.5	113.7	111.1
22	....	85.1	99.0	104.1	108.3	.....	113.7	117.3	95.6	113.7	110.5
23	....	86.2	98.7	104.2	108.5	.....	113.7	117.6	93.9	113.6	110.5
24	....	87.2	98.6	104.4	108.6	111.7	113.8	117.9	92.3	143.6	103.0
25	....	88.1	98.6	104.6	108.7	111.9	113.9	118.2	95.4	113.5	100.2
26	....	88.9	98.8	104.7	108.8	112.1	114.0	118.3	97.5	113.4	98.1
27	....	89.6	98.9	104.9	108.8	112.3	114.1	118.4	98.8	113.4	99.2
28	....	90.1	99.2	105.1	108.9	112.5	114.1	118.5	99.6	113.3	100.4
29	....	90.5	99.5	105.2	109.0	112.6	114.2	118.6	100.2	113.2	101.3
30	....	90.8	99.8	105.4	109.1	112.7	114.3	118.6	102.2	113.1	102.0
31	....	91.3		105.5		112.8	114.4		105.5		102.3

Jefferson Parish

Jf-12 (*947, p. 26; 989, p. 37; 1019, p. 48; 1026, p. 47). Fourth Jefferson drainage district. At New Orleans pumping station 1, about 1.25 miles west of parish line on Lake Pontchartrain.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Feb. 17	17.73	June 3	17.64	Aug. 28	20.75
May 4	17.28	July 11	19.96	Oct. 20	21.97

Jefferson Davis Parish

JD-1 (*845, p. 146; 886, p. 237; 1019, p. 48). Latrielle Estate. NE¼ sec. 26, T. 9 S., R. 4 W. Measurements discontinued.

JD-5 (*845, p. 147; 886, p. 237; 1019, p. 48). Gulf States Utilities. At Lake Arthur. Measurements discontinued.

JD-6 (*886, p. 238; 909, p. 37; 939, p. 24; 947, p. 27; 989, p. 37; 1019, p. 48; 1026, p. 47). Latrielle Estate. NW¼ sec. 22, T. 8 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	44.06	June 10	50.33	July 15	51.06	Nov. 7	48.74
Feb. 15	43.60	14	53.02	Oct. 11	51.12	14	48.30
Mar. 14	42.35	17	52.18	18	50.41	20	47.75
Apr. 18	42.16	July 8	51.42	25	49.68	Dec. 23	45.92

JD-8 (*845, p. 147; 886, p. 238; 1019, p. 48; 1026, p. 47). William Koll. SW¼ sec. 3, T. 9 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	36.05	Apr. 18	33.25	Aug. 8	46.02	Nov. 4	40.33
Feb. 15	34.60	July 8	44.37	Oct. 7	43.36	Dec. 9	37.78
Mar. 14	34.70						

JD-9 (*845, p. 147; 886, p. 238; 909, p. 37; 939, p. 24; 947, p. 27; 989, p. 37; 1019, p. 48; 1026, p. 47). Calcasieu-Marine National Bank. NW¼ sec. 34, T. 9 S., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	27.72	Apr. 18	25.71	July 11	38.19	Oct. 7	36.52
Feb. 15	25.05	May 9	40.99	Aug. 8	46.02	Nov. 4	32.72
Mar. 14	24.89	June 14	46.55	Sept.12	44.48	Dec. 9	28.74

JD-10 (*845, p. 147; 886, p. 238; 1019, p. 48). Calcasieu-Marine National Bank. NE¼ sec. 33, T. 9 S., R. 4 W. Measurements discontinued.

JD-11 (*845, p. 147; 886, p. 238; 909, p. 38; 939, p. 24; 947, p. 27; 989, p. 38; 1019, p. 49; 1026, p. 47). Mrs. T. L. Linscomb. NE¼ sec. 28, T. 7 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	47.49	Apr. 18	44.60	Sept.12	54.24	Nov. 4	50.33
Feb. 15	46.40	July 8	41.94	Oct. 7	53.07	Dec. 9	48.57
Mar. 14	44.55						

JD-12 (*845, p. 147; 886, p. 238; 1019, p. 49). B. Gabarino. Center of east line sec. 6, T. 7 S., R. 3 W. Measurements discontinued.

JD-14 (*845, p. 147; 886, p. 239; 1019, p. 49). Calcasieu-Marine National Bank. Center of north line sec. 21, T. 7 S., R. 4 W. No measurements made in 1946.

JD-15 (*845, p. 147; 886, p. 239; 1019, p. 49). A. R. McBurney. NW¼ sec. 33, T. 7 S., R. 4 W. Measurements discontinued.

JD-17 (*845, p. 147; 886, p. 239; 1019, p. 49). C. E. Monger. SE¼ sec. 15, T. 8 S., R. 5 W. Measurements discontinued.

JD-18 (*845, p. 147; 886, p. 239; 1019, p. 49). William Fenton. SE¼ sec. 18, T. 9 S., R. 5 W. Measurements discontinued.

JD-19 (*845, p. 147; 886, p. 239; 1019, p. 49). Luma Bougeois. SW¼ sec. 18, T. 9 S., R. 5 W. Measurements discontinued.

JD-20 (*845, p. 148; 886, p. 239; 1019, p. 49). Calcasieu-Marine National Bank. NE¼ sec. 14, T. 10 S., R. 6 W. Measurements discontinued.

JD-21 (*845, p. 148; 886, p. 239; 1019, p. 49). John Miller. SE¼ sec. 10, T. 10 S., R. 5 W. Measurements discontinued.

JD-23 (*845, p. 148; 886, p. 240; 909, p. 38; 939, p. 24; 947, p. 27; 989, p. 38; 1019, p. 49). Calcasieu-Marine National Bank. NE¼ sec. 4, T. 10 S., R. 6 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	24.8	23.7	22.9	22.5	25.7	32.2	36.4	39.1	34.8	31.0	28.6
2	....	24.8	23.7	22.9	22.5	25.7	32.4	36.5	38.9	34.7	30.9	28.6
3	....	24.7	23.6	22.8	22.5	25.7	32.0	36.4	38.5	33.6	30.8	28.5
4	....	24.7	23.6	22.8	22.7	25.7	31.8	36.2	38.2	34.4	30.8	28.5
5	....	24.6	23.6	22.8	22.7	25.7	31.7	....	38.0	34.2	30.8	28.4
6	26.1	24.5	23.5	22.8	22.9	25.7	31.7	35.9	37.8	34.1	30.6	28.3

JD-23--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
7	26.1	24.5	23.5	22.8	23.1	25.7	31.6	35.7	37.7	33.8	30.5	28.3
8	26.0	24.4	23.5	22.7	23.4	25.7	31.5	35.4	37.6	33.7	30.5	28.3
9	26.0	24.4	23.5	22.7	23.8	25.7	31.4	35.4	37.4	33.6	30.4	28.2
10	25.9	24.3	23.5	22.7	24.2	25.8	31.2	35.4	36.6	33.4	30.3	28.1
11	25.8	24.3	23.4	22.7	24.7	26.0	31.1	35.4	37.2	33.2	30.2	28.0
12	25.8	24.3	23.4	22.7	25.0	26.1	31.1	35.6	37.4	33.1	30.1	27.9
13	25.7	24.3	23.2	22.7	25.2	26.4	31.0	35.6	37.8	33.0	30.1	27.8
14	25.7	24.2	23.2	22.7	25.3	26.7	31.0	35.9	38.1	32.9	30.0	27.8
15	25.6	24.2	23.2	22.7	25.3	27.1	31.0	36.3	38.2	32.8	29.9	27.7
16	25.6	24.2	23.2	22.6	25.4	27.5	31.1	36.9	38.0	32.7	29.8	27.7
17	25.6	24.1	23.2	22.6	25.5	27.8	31.4	37.1	37.8	32.6	29.7	27.5
18	25.5	24.1	23.2	22.7	25.5	28.2	31.7	37.1	36.6	32.5	29.7	27.5
19	25.4	24.0	23.2	22.6	25.5	28.9	31.9	37.3	37.1	32.4	29.5	27.4
20	25.4	24.0	23.1	22.6	25.4	29.5	32.2	37.8	37.1	32.3	29.4	27.3
21	25.3	24.0	23.1	22.6	25.5	30.1	32.5	37.9	37.0	32.2	29.4	27.3
22	25.3	23.9	23.1	22.6	25.5	30.6	32.8	38.3	36.6	32.1	29.3	27.2
23	25.3	23.9	23.1	22.6	25.4	31.1	33.2	38.9	36.4	32.0	29.3	27.2
24	25.2	23.9	23.0	22.5	25.4	31.5	33.9	39.3	36.3	31.9	29.2	27.1
25	25.2	23.9	23.0	22.5	25.4	31.9	34.5	39.6	36.1	31.7	29.1	27.1
26	25.1	23.8	23.0	22.5	25.4	32.2	25.1	39.8	35.8	31.6	28.9	27.0
27	23.1	23.7	22.9	22.5	25.5	32.4	35.5	39.8	35.6	31.5	28.9	27.9
28	25.1	23.7	22.9	22.5	25.5	32.4	35.8	39.8	35.3	31.4	28.8	26.9
29	25.0		22.9	22.5	25.7	32.3	35.8	39.7	35.2	31.3	28.7	26.8
30	24.9		22.9	22.5	25.8	32.3	35.9	39.5	35.0	31.2	28.7	26.8
31	24.9		22.9		25.8		36.1	39.3		31.1		26.7

JD-24 (*1019, p. 50). O. David. NE¼NW¼ sec. 11, T. 10 S., R. 6 W. Measurements discontinued.

JD-25 (*1019, p. 50). Calcasieu-Marine National Bank. NW¼ sec. 36, T. 9 S., R. 6 W. Measurements discontinued.

JD-26 (*886, p. 240; 909, p. 38; 939, p. 25; 947, p. 27; 989, p. 38; 1019, p. 50; 1026, p. 48). I. L. Hebert. NE¼ sec. 21, T. 10 S., R. 3 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	23.47	Apr. 18	21.29	July 10	29.70	Nov. 7	27.42
Feb. 14	22.26	May 8	22.11	Aug. 8	31.30	Dec. 12	24.06
Mar. 14	21.54	June 13	27.57	Oct. 7	29.90		

JD-29 (*1019, p. 50). White & Dougherty. SE¼ sec. 30, T. 7 S., R. 3 W. Measurements discontinued.

JD-31 (*1019, p. 50). B. J. Hine. NW¼NW¼ sec. 21, T. 7 S., R. 3 W. Measurements discontinued.

JD-32 (*886, p. 240; 1019, p. 50; 1026, p. 48). Joe Petitjean. SE¼ sec. 12, T. 11 S., R. 5 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	12.73	May 8	10.59	July 11	18.18	Nov. 7	16.77
Feb. 14	11.58	June 13	14.67	Sept.10	22.10	Dec. 13	14.44
Mar. 14	10.72						

JD-33 (*1019, p. 50). Joe Petitjean. NW¼ sec. 18, T. 11 S., R. 4 W. No measurements made in 1946.

JD-35 (*1019, p. 50). Mrs. M. G. Davidson. NW¼NW¼ sec. 10, T. 7 S., R. 3 W. Measurements discontinued.

JD-36 (*1019, p. 51). M. G. Davidson. NW¼ sec. 3, T. 7 S., R. 3 W. Measurements discontinued.

JD-37 (*1019, p. 51). Karl Goebel. SE¼SE¼ sec. 5, T. 7 S., R. 3 W. Measurements discontinued.

JD-39 (*1019, p. 51). Otto Bruchhaus. SE¼ sec. 17, T. 7 S., R. 3 W. Measurements discontinued.

JD-40 (*1019, p. 51). Chas. H. Daggett. SE¼SE¼ sec. 15, T. 7 S., R. 3 W. Measurements discontinued.

JD-41 (*886, p. 240; 1019, p. 51). J. P. Campbell. NW¼ sec. 18, T. 9 S., R. 4 W. Measurements discontinued.

JD-43 (*886, p. 241; 909, p. 39; 939, p. 25; 947, p. 27; 989, p. 38; 1019, p. 52; 1026, p. 49). Colon Leger. NE¼ sec. 24, T. 8 S., R. 6 W.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	....	31.4	36.1	45.4	....	37.6	35.2	....
2	....	....	....	....	31.7	35.8	45.1	....	37.5	35.1	....
3	....	....	....	....	31.7	35.5	44.7	....	37.4	35.0	....
4	....	....	....	....	32.3	35.3	41.2	....	37.2	35.0	33.2
5	....	....	....	....	32.6	35.0	41.3	....	37.2	35.0	33.1
6	....	....	....	35.8	32.1	34.9	41.8	....	37.1	34.8	32.8
7	....	....	....	....	31.7	34.7	42.0	....	37.0	35.3	32.7
8	....	....	....	....	....	34.6	41.9	....	36.9	35.3	32.6
9	....	....	....	....	....	34.6	42.9	....	36.8	34.8	....
10	....	....	28.4	....	31.6	34.7	44.1	40.4	36.7	34.7	....
11	....	....	....	....	33.0	34.7	45.1	40.0	36.5	34.6	32.7
12	29.5	28.5	....	....	....	34.7	48.3	39.9	36.6	34.5	32.5
13	....	....	....	....	....	34.8	48.9	40.5	36.5	34.6	32.5
14	....	....	....	....	....	35.4	49.3	....	36.4	34.4	32.4
15	....	....	26.9	....	....	36.7	....	....	36.4	34.3	32.4
16	....	....	....	....	....	37.4	....	....	36.3	34.2	32.4
17	....	....	....	....	....	42.4	....	....	36.1	34.2	32.4
18	....	....	....	....	41.1	42.2	....	....	36.1	34.2	32.5
19	....	....	....	....	....	42.3	....	....	36.0	34.1	32.2
20	....	....	....	....	....	....	....	....	36.0	34.0	....
21	....	....	....	31.4	41.9	....	....	....	35.9	33.9	....
22	....	....	....	34.6	41.7	....	....	....	35.8	....	....
23	....	....	....	35.0	41.7	42.4	....	....	35.8	....	32.2
24	....	....	....	35.2	40.0	42.5	....	....	35.6	....	32.2
25	....	....	....	....	39.2	46.6	....	....	35.5	....	32.1
26	....	....	....	31.6	38.6	47.7	....	....	35.5	....	32.1
27	....	....	....	....	37.8	47.7	....	37.9	35.5	....	31.9
28	....	....	....	....	37.2	47.8	....	37.9	35.4	33.5	31.9
29	....	....	....	....	36.7	47.2	....	37.8	35.4	33.5	31.9
30	....	....	....	....	36.4	46.2	....	37.7	35.3	33.4	31.9
31		....		31.8		....	....		35.3		31.6

JD-45 (*1019, p. 52). Louis Kratzer. SE¼ sec. 9, T. 8 S., R. 4 W. Measurements discontinued.

JD-46 (*1019, p. 52). T. I. Heinen. SE¼SE¼ sec. 7, T. 8 S., R. 3 W. Measurements discontinued.

JD-50 (*886, p. 240; 1019, p. 52). Dr. G. L. Shoemaker. NE¼ sec. 2, T. 10 S., R. 4 W. Measurements discontinued.

JD-52 (*1019, p. 52). R. E. Blessington. SW¼SW¼ sec. 14, T. 7 S., R. 3 W. Measurements discontinued.

JD-54 (*1019, p. 52). Calcasieu National Bank. SE¼NE¼ sec. 19, T. 7 S., R. 3 W. Measurements discontinued.

JD-61 (*1019, p. 52). R. I. Compton. NE¼ sec. 24, T. 8 S., R. 4 W. Measurements discontinued.

JD-63 (*886, p. 240; 1019, p. 53). J. E. McCown. NW¼ sec. 36, T. 8 S., R. 4 W. Measurements discontinued.

JD-64 (*1019, p. 53). C. E. Britt. NW¼ sec. 15, T. 10 S., R. 3 W. Measurements discontinued.

JD-68 (*1019, p. 53). John R. Trotti. SE¼ sec. 10, T. 8 S., R. 5 W. Measurements discontinued.

JD-70 (*1019, p. 53). Theobert Cormier. NW¼NW¼ sec. 3, T. 9 S., R. 5 W. Measurements discontinued.

JD-71 (*1019, p. 53). R. A. Estes. NW¼NW¼ sec. 12, T. 9 S., R. 5 W. Measurements discontinued.

JD-73 (*1019, p. 53). W. I. Trimble. NW¼ sec. 10, T. 9 S., R. 5 W. Measurements discontinued.

JD-75 (*1019, p. 53). Reeve Bros. NE¼ sec. 4, T. 10 S., R. 5 W. Measurements discontinued.

JD-76 (*1019, p. 53). E. Hardy Estate. NE¼ sec. 9, T. 10 S., R. 5 W. Measurements discontinued.

JD-78 (*1019, p. 54; 1026, p. 49). E. A. Lyons & Sons. SE¼SE¼ sec. 24, T. 11 S., R. 5 W. New measuring point, lower inside edge of flange of pump head, 0.33 foot above top of steel base plate, and 1.33 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	7.47	May 8	6.26	Aug. 8	13.44	Nov. 7	12.04
Mar. 14	6.77	June 13	8.74	Sept.10	15.91	Dec. 13	10.00
Apr. 18	6.34	July 11	11.93				

JD-79 (*1019, p. 54). Paul Dupont. SE¼SE¼ sec. 23, T. 11 S., R. 4 W. Measurements discontinued.

JD-80 (*1019, p. 54). W. P. Strohe. SW¼ sec. 10, T. 10 S., R. 4 W. Measurements discontinued.

JD-82 (*1019, p. 54). W. F. Tietje. SE¼ sec. 24, T. 9 S., R. 4 W. Measurements discontinued.

JD-86 (*1019, p. 54). Calcasieu National Bank. NW¼ sec. 16, T. 9 S., R. 4 W. Measurements discontinued.

JD-90 (*1026, p. 50). A. Augustine. SE¼SE¼ sec. 26, T. 8 S., R. 6 W. Measurements discontinued.

JD-99 (*1019, p. 54). Calcasieu-Marine National Bank. NW¼ sec. 4, T. 9 S., R. 4 W. Measurements discontinued.

JD-106 (*1019, p. 55). Calcasieu-Marine National Bank. NE¼NE¼ sec. 30, T. 8 S., R. 5 W. Measurements discontinued.

JD-113 (*1019, p. 55; 1026, p. 50). Calcasieu-Marine National Bank. NW¼ sec. 33, T. 9 S., R. 6 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Feb. 12	30.73	Apr. 18	28.64	June 14	36.25
Mar. 15	28.45	May 9	31.40	Aug. 8	43.52

JD-114 (*1019, p. 55). J. D. Pousson Estate. NE¼ sec. 32, T. 9 S., R. 5 W. Measurements discontinued.

JD-115 (*886, p. 241; 909, p. 39; 939, p. 25; 947, p. 27; *989, p. 38; 1019, p. 55; 1026, p. 50). Calcasieu-Marine National Bank. NE¼ sec. 34, T. 9 S., R. 5 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	33.73	Apr. 18	30.43	Aug. 6	52.78	Oct. 7	43.56
Feb. 15	31.95	June 14	52.87	8	53.22	Nov. 8	39.42
Mar. 14	30.49	July 11	45.45	Sept.12	53.83	Dec. 9	36.02

JD-116 (*1019, p. 55). Nelson Thomas. NW¼ sec. 25, T. 9 S., R. 4 W. Measurements discontinued.

JD-120 (*1019, p. 55; 1026, p. 50). Beulah Henderson. SE¼ sec. 10, T. 11 S., R. 4 W. Water levels, in feet below land-surface datum, 1946: Jan. 11, 6.42; Feb. 14, 15.70.

JD-123 (*1019, p. 55). Alfred Broussard. SE¼ sec. 12, T. 11 S., R. 4 W. Measurements discontinued.

JD-124 (*1019, p. 56). Calcasieu-Marine National Bank. SE¼ sec. 36, T. 10 S., R. 4 W. Measurements discontinued.

JD-126. Ralph Hayes. NW¼ sec. 2, T. 10 S., R. 5 W. Abandoned irrigation well, pit diameter 24 inches, well diameter 10 inches, depth 300 feet. Measuring point, top of 24-inch casing, at land-surface datum. Automatic water-stage recorder installed July 3, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	52.3	51.7	....	36.1	33.7
2	....	50.5	51.1	....	36.0	34.4
3	46.9	49.8	50.4	....	35.9	34.2
4	46.0	49.2	49.8	40.7	35.8	34.3
5	45.3	48.3	49.3	40.5	35.8	34.2
6	44.6	47.9	48.9	40.3	35.6	34.1
7	43.9	47.5	48.7	40.1	35.5	34.0
8	43.3	47.3	48.6	39.8	....	33.9
9	42.5	47.3	....	39.7	....	33.8
10	42.0	47.5	....	39.5	35.5	33.7
11	....	47.7	....	39.2	34.9	33.3
12	....	....	49.6	39.1	34.9	33.2
13	....	....	48.9	38.9	34.9	33.2
14	....	....	48.4	38.7	....	33.1
15	45.8	....	47.7	38.6	34.6	33.0
16	46.7	57.6	47.1	....	34.5	32.9
17	48.1	58.1	46.6	....	34.5	32.8
18	49.8	58.4	46.1	38.0	34.4	32.9
19	51.9	57.8	45.6	37.9	34.3	31.8
20	52.6	58.5	45.3	37.8	34.1	31.6
21	50.6	58.2	44.8	37.7	34.0	31.6
22	48.8	58.2	44.4	37.5	34.0	31.6
23	49.5	58.6	44.0	37.4	33.9	31.5
24	50.6	58.1	43.7	37.2	33.8	31.4
25	50.9	57.1	43.4	36.9	....	31.4
26	51.8	55.9	42.8	36.9	....	....
27	52.3	55.0	....	36.8	....	....
28	52.8	54.2	42.2	36.7	33.4	....
29	54.3	53.3	41.9	36.6	33.3	....
30	56.2	52.5	....	36.5	33.7	....
31	55.8	....		36.1		....

JD-133 (*1019, p. 56). Fred I. Gotty. SW¼ sec. 34, T. 9 S., R. 3 W. Measurements discontinued.

JD-136 (*1019, p. 56). Adam Derouen. NW¼ sec. 19, T. 10 S., R. 4 W. Measurements discontinued.

JD-138 (*1019, p. 56). A. W. Crowd. SE¼ sec. 16, T. 9 S., R. 4 W. Measurements discontinued.

JD-139 (*1019, p. 56). B. F. Barbarino. NW¼ sec. 12, T. 7 S., R. 4 W. Measurements discontinued.

JD-141 (*1019, p. 56). T. S. Plunket. SW¼ sec. 17, T. 7 S., R. 3 W. Measurements discontinued.

JD-147 (*1019, p. 56). J. P. Campbell. NW¼ sec. 18, T. 9 S., R. 4 W. Measurements discontinued.

JD-157 (*1019, p. 57). Eba Miller. SW¼ sec. 6, T. 9 S., R. 5 W. Measurements discontinued.

JD-171 (*1019, p. 57). Calcasieu-Marine National Bank. NW¼ sec. 20, T. 8 S., R. 3 W. Measurements discontinued.

JD-175 (*1019, p. 57). D. J. Williams. SW¼ sec. 9, T. 9 S., R. 3 W. Measurements discontinued.

JD-178 (*1019, p. 57). Isaac Fontenot. NE¼ sec. 16, T. 10 S., R. 3 W. Measurements discontinued.

JD-186 (*1019, p. 57). A. C. Campbell. NW¼ sec. 17, T. 10 S., R. 3 W. Measurements discontinued.

JD-205 (*1019, p. 57). F. L. Crabtree. SW¼SW¼ sec. 16, T. 7 S., R. 3 W. Measurements discontinued.

JD-211 (*1019, p. 57). G. R. Berry. NW¼ sec. 35, T. 9 S., R. 4 W. Measurements discontinued.

JD-212 (*1019, p. 58). Calcasieu-Marine National Bank. NW¼ sec. 32, T. 9 S., R. 4 W. Measurements discontinued.

JD-215 (*1019, p. 58). J. L. Watkins. SE¼ sec. 16, T. 11 S., R. 5 W. Measurements discontinued.

JD-216. Henry Houssiere. NW¼ sec. 10, T. 8 S., R. 4 W. Used drilled irrigation well. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 3.21 feet. Water levels, in feet below land-surface datum, 1946: June 17, 48.01; Sept. 6, 45.51; Sept. 28, 48.56.

JD-221 (*947, p. 27; *989, p. 38; 1019, p. 58; 1026, p. 51). John Ardoin. One mile north of overpass on U. S. Highway 165, near Iowa Junction. New measuring point, top of wooden cover on 18-inch concrete well, casing, 2.45 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 31, 6.80; Nov. 7, 7.41; Dec. 12, 6.05.

JD-222 (*1026, p. 51). Lacassane Co., Inc. SW¼SW¼ sec. 32, T. 11 S., R. 5 W. Used drilled irrigation well. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.87 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	7.54	Apr. 18	6.37	June 13	7.34	Sept.10	15.32
Mar. 14	6.74	May 8	6.15	Aug. 8	12.45	Dec. 13	10.04

JD-223 (*1026, p. 51). Lacassane Co., Inc. SW¼ sec. 27, T. 11 S., R. 4 W. Used drilled irrigation well. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum, along pipe being 15.57 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	8.63	Mar. 14	7.14	May 8	6.91	Dec. 13	10.02
Feb. 14	7.83	Apr. 18	6.88	Nov. 7	11.75		

JD-224. Latrielle Estate. Sec. 10, T. 8 S., R. 4 W. Drilled observation well, diameter 6 inches, depth 760 feet. Measuring point, floor of recorder house, 2.33 feet above land-surface datum. Automatic water-stage recorder installed May 25, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	45.3	51.0	56.6	54.6	49.5	46.6	44.7
2	....	45.2	50.4	56.4	54.4	49.4	46.5	44.8
3	....	45.2	50.3	56.0	54.2	49.3	46.4	44.8
4	....	45.6	50.1	55.6	54.1	49.2	46.4	44.7
5	....	46.2	49.4	55.7	53.8	49.0	46.4	44.6
6	....	....	49.1	55.8	53.7	48.9	46.3	44.6
7	....	....	48.8	55.9	53.3	48.8	46.2	44.5
8	....	....	48.5	56.3	53.1	48.6	46.1	44.4
9	....	....	48.3	56.8	53.0	48.6	46.0	44.4
10	....	47.4	48.1	57.3	53.0	....	45.9	44.3
11	....	47.6	48.0	57.2	52.9	48.5	45.9	44.2
12	....	48.1	48.2	57.0	52.9	48.4	....	44.1
13	....	48.8	48.6	57.4	52.8	48.4	....	44.1
14	....	49.4	48.8	57.1	52.6	48.3	45.8	44.1
15	....	49.8	49.8	57.5	52.5	48.2	45.6	44.0
16	....	49.2	50.9	57.9	52.3	48.1	45.5	44.0
17	....	49.0	51.8	57.8	52.4	48.0	45.5	43.9
18	....	49.5	52.3	57.4	52.3	47.8	45.5	43.9
19	....	50.3	52.6	57.2	52.0	47.7	45.4	43.8
20	....	51.5	52.4	58.0	51.7	47.6	45.3	43.6
21	....	52.2	52.1	....	51.3	47.6	45.3	43.7
22	....	52.6	52.4	....	51.0	47.5	45.3	43.7
23	....	52.6	53.3	57.9	50.8	47.4	45.3	43.6
24	....	52.5	54.0	57.3	50.7	47.3	45.2	43.6
25	46.1	53.2	54.8	57.0	50.5	47.0	45.2	43.5
26	45.3	53.6	55.5	56.5	50.3	47.0	45.0	43.5
27	45.0	53.6	55.6	56.0	....	47.0	44.9	43.4
28	45.9	53.4	55.6	55.5	49.8	47.0	44.9	43.3
29	46.5	52.5	56.0	55.0	49.7	46.9	44.8	43.3
30	46.0	51.8	56.0	54.8	49.7	46.8	44.8	43.3
31	45.3		56.4	....		46.7		43.2

Lafayette Parish

Lf-6 (*1019, p. 58; 1026, p. 51). Southwestern Louisiana Institute Horticultural Farm. Irregular sec. 68, T. 9 S., R. 4 E., 0.15 mile north of State Highway 43, 0.5 mile southwest of Lafayette city limits.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	26.20	Apr. 15	26.95	July 9	23.36	Oct. 8	27.21
Feb. 12	25.46	May 6	26.43	Aug. 5	25.05	Nov. 5	26.73
Mar. 13	25.31	June 11	25.25	Sept. 9	26.80	Dec. 9	24.81

Lf-129 (*1019, p. 58; 1026, p. 51). Claude Hanks. NW¼NE¼ sec. 2, T. 10 S., R. 3 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	27.02	Apr. 17	25.70	Aug. 7	29.84	Nov. 6	26.42
Feb. 13	25.27	May 8	25.94	Sept.11	29.11	Dec. 10	25.85
Mar. 13	25.13	July 10	27.11	Oct. 9	27.08		

Lf-164 (*1019, p. 58; 1026, p. 52). Gaston Gordon. SW¼SW¼ sec. 21, T. 10 S., R. 5 E., 0.2 mile northeast of U. S. Highway 90, 0.7 mile northwest of Broussard.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.9	18.1	18.7	18.7	21.0	....	19.2	17.5	20.6	22.3	23.6	22.7
2	22.9	18.3	18.6	18.8	21.0	....	19.2	17.4	20.7	22.3	23.6	22.7
3	22.8	18.4	18.5	18.9	21.1	....	19.2	17.3	20.8	22.3	23.6	22.6
4	22.8	18.5	18.4	19.1	21.2	....	19.2	17.3	20.8	22.4	23.7	22.6
5	22.6	18.5	18.4	19.2	21.3	....	18.7	17.4	20.9	22.5	23.7	22.6
6	22.4	18.5	18.3	19.2	21.3	....	16.9	17.5	21.0	22.5	23.7	22.6
7	22.3	18.5	18.1	19.3	21.3	....	15.6	17.7	21.1	22.5	23.7	22.6
8	22.0	18.4	18.3	19.4	21.4	....	16.1	17.8	21.1	22.5	23.7	22.6
9	21.5	18.4	18.4	19.5	21.5	....	14.9	17.9	21.2	22.6	23.8	22.6
10	22.2	18.5	18.5	19.6	21.5	....	14.9	18.0	....	22.6	23.8	22.6
11	21.8	18.6	18.5	19.7	21.5	....	15.0	18.2	....	22.7	23.7	22.6
12	20.6	18.6	18.6	19.8	21.5	17.6	15.2	18.4	....	22.8	23.7	22.5
13	20.1	18.7	18.4	20.0	21.4	17.8	15.3	18.6	....	22.8	23.7	22.6
14	19.5	19.1	18.1	20.0	21.2	18.0	15.6	18.8	....	22.8	23.7	22.6
15	18.5	19.3	18.0	20.1	20.3	18.2	15.8	18.9	....	23.0	23.6	22.7
16	18.0	19.4	17.5	20.2	19.4	18.4	16.0	19.0	21.6	23.0	23.6	22.7
17	17.7	19.4	17.3	20.3	18.7	18.5	16.1	19.1	21.7	23.0	23.5	22.7
18	17.5	19.5	17.3	20.4	17.6	18.6	16.3	19.3	21.7	23.0	23.4	22.7
19	17.4	19.6	17.3	20.4	17.1	18.8	16.5	19.4	21.8	23.1	23.3	20.7
20	17.1	19.4	17.3	20.5	16.8	18.9	16.7	19.5	21.8	23.2	23.2	22.5
21	17.1	19.4	17.4	20.6	16.8	19.1	16.9	19.7	21.9	23.2	23.1	22.4
22	17.1	19.4	17.5	20.6	16.8	19.0	17.0	19.7	21.9	23.2	23.1	22.4
23	17.1	19.4	17.6	20.6	16.8	19.1	17.1	19.8	22.0	23.3	23.1	22.3
24	17.2	19.2	17.7	20.6	16.9	19.1	17.2	19.9	22.0	23.3	23.0	22.2
25	17.2	19.2	17.8	20.7	17.1	19.1	17.3	20.0	22.1	23.3	23.0	22.2
26	17.2	19.2	17.9	20.7	17.1	19.2	17.5	20.1	22.1	23.4	22.9	22.2
27	17.5	19.0	18.0	20.8	16.6	19.2	17.6	20.2	22.1	23.4	22.9	22.1
28	17.6	18.8	18.0	20.9	16.5	19.2	17.7	20.2	22.1	23.5	22.8	22.1
29	17.7		18.3	20.9	16.5	19.2	17.9	20.3	22.2	23.5	22.8	22.1
30	17.8		18.4	20.9	....	19.2	17.8	20.4	22.2	23.5	22.7	22.1
31	18.0		18.6		....		17.7	20.5		23.5		22.1

Lf-199 (*1019, p. 59; 1026, p. 52). Clovis Kennedy. NE¼SW¼ sec. 23, T. 10 S., R. 2 E. Water levels, in feet below land-surface datum, 1946: Jan. 10, 26.41; Feb. 13, 25.24; Mar. 13, 23.99; Apr. 17, 24.40.

Lf-200 (*1019, p. 59; 1026, p. 52). Clovis Kennedy. NE¼SE¼ sec. 23, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	27.83	Mar. 13	25.58	May 8	37.13	Aug. 6	33.15
Feb. 13	26.67	Apr. 17	27.19	July 10	33.56		

Lf-201 (*1019, p. 59; 1026, p. 52). Cleveland Leger. SE¼SW¼ sec. 22, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 10	23.30	Apr. 17	22.70	Sept.10	31.76	Nov. 6	25.27
Feb. 13	22.07	July 10	30.01	Oct. 9	26.86	Dec. 10	23.80
Mar. 13	21.19	Aug. 6	28.72				

Lf-210 (*1019, p. 59; 1026, p. 52). B. W. Spell. Irregular sec. 24, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	24.45	Apr. 17	23.63	Aug. 6	29.44	Nov. 6	26.00
Feb. 13	23.28	June 12	33.63	Oct. 9	27.35	Dec. 10	24.80
Mar. 13	22.65	July 10	29.05				

Lf-251 (*1019, p. 59; 1026, p. 53). Milton Syrup Mill. Irregular sec. 40, T. 11 S., R. 4 E., in Milton. Water levels, in feet below land-surface datum, 1946: Jan. 10, 13.81; Feb. 13, 12.50; Mar. 13, 12.25.

Lf-405. Mary's Syrup Mill. Irregular sec. 35, T. 8 S., R. 4 W. Unused industrial well, diameter 4 inches, depth 190 feet. Measuring point, top of casing, which is 1.59 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: July 1, 36.40; Aug. 8, 36.03.

Lf-437. Southern Pacific Railroad Co. Irregular sec. 40, T. 11 S., R. 4 E. Abandoned drilled railroad well, diameter 4 inches, depth 150 feet. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum being 1.83 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
July 10	12.36	Sept.10	13.43	Nov. 6	13.89
Aug. 6	12.32	Oct. 8	13.47	Dec. 10	13.54

Lf-478 (*1019, p. 59; 1026, p. 53). Charles Bradford. NE¼NE¼ sec. 31, T. 9 S., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 10	28.89	July 10	38.24	Nov. 7	29.74
Mar. 13	27.23	Sept.10	34.63	Dec. 10	29.26

LaSalle Parish

La-41 (*886, p. 242; 909, p. 40; 939, p. 26; 947, p. 28; 989, p. 39; 1019, p. 59; 1026, p. 53). Louisiana Delta Hardwood Lumber Co. NE¼ sec. 8, T. 8 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Mar. 27	26.52	July 24	27.18	Nov. 13	27.56
Apr. 29	27.40	Oct. 21	27.32	Dec. 20	27.10

Livingston Parish

Li-10 (*909, p. 40; 939, p. 26; 947, p. 28; 989, p. 39; 1019, p. 60; 1026, p. 53). McCarroll Lumber Co. In Frost, on north side of mill pond. Water levels, in feet above land-surface datum, 1946: July 18, 3.2; Sept. 30, 4.0; Dec. 29, 3.3.

Li-11 (*909, p. 40; 939, p. 26; 947, p. 28; 989, p. 39; 1019, p. 60; 1026, p. 53). Sharp Civilian Conservation Corps Camp. In Springville. New measuring point, top of concrete base at base of 2½-inch casing, at land-surface. Water levels, in feet above land-surface datum, 1946: July 18, 2.2; Sept. 30, 2.2; Dec. 29, 2.3.

Li-16 (*909, p. 40; 939, p. 26; 947, p. 28; 989, p. 39; 1019, p. 60; 1026, p. 53). J. F. McCarroll. In Holden, 200 feet west of residence. Water levels, in feet above land-surface datum, 1946: Oct. 2, 115.4; Dec. 30, 115.1.

Morehouse Parish

Mo-9 (*1026, p. 53). Southern Kraft Corporation. Sec. 24, T. 21 N., R. 5 E.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	134.1	140.5	141.5	140.2	142.5	143.3	143.4	144.4	145.4	146.7	146.9	146.9
2	133.9	140.7	141.5	141.6	142.6	143.3	143.4	144.4	145.4	146.8	146.9	146.5
3	133.6	139.0	141.5	142.0	143.0	143.4	143.4	144.2	144.8	146.8	147.0	146.0
4	133.5	137.6	141.5	142.1	143.1	143.5	141.6	144.7	144.5	146.8	147.1	145.9
5	133.9	138.5	141.4	142.1	143.3	143.5	140.5	144.7	145.0	146.9	147.2	146.1
6	133.6	139.2	141.4	142.3	143.3	143.4	139.6	144.7	145.1	147.0	147.0	146.6
7	133.5	139.4	141.5	142.6	143.4	143.4	142.4	144.8	145.1	145.3	147.2	146.7
8	133.3	135.9	141.6	142.8	143.6	143.4	143.3	144.7	145.1	146.5	147.3	146.9
9	133.4	137.2	138.6	142.2	143.6	143.4	143.7	144.9	145.1	145.5	147.3	146.9
10	133.3	137.5	138.1	142.8	143.5	143.3	143.9	145.0	145.2	145.0	147.1	146.4
11	133.4	138.4	137.8	142.7	143.5	142.5	144.0	145.0	145.1	145.3	147.3	146.8
12	133.3	138.6	137.4	143.0	143.5	143.3	144.1	145.0	145.1	145.8	147.3	146.8
13	133.2	138.6	137.2	143.0	143.4	143.4	144.3	144.8	145.1	146.0	147.3	147.1
14	133.3	139.1	137.1	142.9	143.5	143.4	144.4	144.9	145.1	145.5	147.3	146.7
15	133.4	139.3	139.6	142.8	143.5	143.4	144.4	144.9	145.1	145.4	147.3	146.0
16	133.6	139.3	140.1	142.8	143.6	142.6	144.4	144.7	145.2	145.3	147.3	147.1
17	133.7	139.4	140.4	143.0	143.7	143.4	144.4	144.3	145.2	145.7	143.4	147.3
18	133.6	141.2	140.7	143.1	143.7	143.5	144.4	144.0	145.8	145.8	142.5	147.3
19	134.8	141.5	140.9	143.0	143.3	143.5	143.9	144.8	145.8	146.0	139.8	147.3
20	134.0	141.8	141.0	143.2	143.2	143.6	144.2	144.9	145.8	146.0	141.1	146.7
21	143.6	141.8	141.1	140.8	143.3	143.5	144.2	145.0	145.8	146.0	141.3	147.3
22	135.5	141.8	141.1	136.6	143.4	143.6	144.2	145.2	145.0	142.6	141.2	147.2
23	135.5	141.8	140.8	140.8	143.2	143.6	144.3	145.2	145.9	142.1	144.6	149.2
24	135.8	141.9	141.3	141.6	143.3	143.6	144.4	145.3	146.2	143.0	145.5	147.3
25	137.6	141.9	141.4	141.9	143.2	143.6	143.7	145.4	146.3	145.3	145.4	145.1
26	138.9	141.9	140.7	142.2	143.2	143.3	144.5	145.4	146.3	146.2	146.2	143.1
27	139.3	142.1	140.5	142.4	143.3	143.3	144.5	145.4	146.3	146.9	146.5	144.2
28	139.2	141.6	140.3	142.5	143.4	143.3	144.5	145.4	146.4	147.2	146.7	146.3
29	139.8		140.1	142.5	143.4	143.4	144.5	145.4	146.3	146.8	143.8	146.8
30	140.3		140.0	142.5	143.4	143.4	144.4	145.3	146.7	146.8	146.8	147.0
31	140.4		140.2		143.4		144.0	145.3		146.9		147.1

Mo-15 (*1026, p. 54). Southern Kraft Corporation. Sec. 24, T. 21 N., R. 5 E.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.0	76.4	76.2	77.2	76.6	76.4	76.5	76.3	76.4	76.8	77.2	77.1
2	76.3	76.4	76.5	77.2	76.6	76.6	76.4	76.4	76.4	76.7	77.2	77.2
3	76.2	76.5	76.3	76.9	76.6	76.8	76.4	76.4	76.5	76.7	76.9	76.9
4	76.3	76.7	76.2	76.8	76.7	76.8	76.4	76.4	76.6	76.8	76.9	77.0
5	76.7	76.9	76.0	76.8	76.8	76.7	76.5	76.4	76.7	76.8	77.0	76.8
6	76.2	76.5	76.0	77.1	76.7	76.5	76.5	76.5	76.7	76.9	76.8	76.9
7	76.0	76.6	76.3	77.1	76.6	76.3	76.4	76.4	76.6	76.7	76.8	77.0
8	75.7	76.8	76.3	77.1	76.8	76.4	76.4	76.3	76.6	76.7	77.0	77.0
9	76.1	76.9	76.5	77.0	76.7	76.5	76.5	76.4	76.6	76.8	77.1	77.0
10	76.1	76.5	76.4	76.9	76.5	76.5	76.4	76.4	76.7	76.8	77.1	76.9
11	76.2	76.4	76.3	77.1	76.5	76.4	76.4	76.4	76.7	76.9	76.7	76.9
12	75.8	76.6	75.9	77.1	76.7	76.3	76.4	76.5	76.7	77.1	76.8	76.7
13	75.8	77.0	75.6	77.1	76.5	76.4	76.4	76.5	76.7	76.9	77.0	76.8
14	76.3	76.3	75.8	76.9	76.6	76.5	76.4	76.5	76.6	76.8	76.9	76.9
15	76.5	76.3	75.8	76.7	76.4	76.4	76.3	76.4	76.6	76.9	76.8	76.9
16	76.1	76.5	75.9	76.7	76.6	76.4	76.3	76.4	76.7	76.8	76.9	76.8
17	76.0	76.6	76.2	77.0	76.5	76.4	76.4	76.5	76.7	76.7	77.3	77.3
18	76.2	76.8	76.4	77.0	76.6	76.4	76.5	76.5	76.9	76.8	77.0	77.3
19	76.6	77.2	76.3	76.9	76.6	76.4	76.4	76.5	76.6	76.9	76.8	76.9
20	76.7	77.6	76.3	76.9	76.6	76.5	76.5	76.4	76.6	77.1	76.8	76.8
21	76.0	76.4	76.2	76.9	76.9	76.6	76.5	76.4	76.5	76.9	76.9	77.2
22	75.8	76.2	76.1	76.8	76.7	76.4	76.5	76.4	76.6	76.9	77.3	77.3
23	76.3	76.0	76.0	76.7	76.5	76.4	76.4	76.4	76.8	76.8	77.0	77.1

Mo-15--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	76.2	76.2	76.0	76.5	76.5	76.6	76.3	76.5	76.9	76.7	76.6	77.0
25	76.6	76.0	76.2	76.6	76.5	76.6	76.4	76.4	76.8	76.8	76.8	77.1
26	76.3	75.8	76.2	76.9	76.6	76.6	76.5	76.4	76.6	76.9	77.1	76.9
27	75.9	76.3	76.1	76.7	76.6	76.5	76.5	76.5	76.7	77.1	77.2	76.6
28	76.1	76.4	76.2	76.7	76.6	76.5	76.4	76.5	76.7	76.9	77.0	76.7
29	76.5		77.0	76.7	76.5	76.5	76.5	76.3	76.8	77.1	76.9	77.2
30	76.8		77.0	76.5	76.5	76.5	76.5	76.3	76.9	77.1	76.9	77.2
31	76.4		77.3		76.4		76.4	76.3		77.1		77.1

Natchitoches Parish

Na-53 (*1026, p. 54). City of Natchitoches. Sec. 87, T. 9 N., R. 7 W. Water levels, in feet above land-surface datum, 1946: June 23, 6.4; Dec. 26, 5.9.

Na-54 (*1019, p. 60; 1026, p. 54). S. Rhodes. SW¼ sec. 105, T. 9 N., R. 7 W. Water levels, in feet above land-surface datum, 1946: Apr. 6, 14.0; June 23, 13.7; Dec. 26, 12.6.

Na-58 (*1019, p. 60; 1026, p. 54). H. J. Taylor. NE¼ sec. 10, T. 8 N., R. 7 W. Water levels, in feet above land-surface datum, 1946: Apr. 6, 23.8; Dec. 26, 21.2.

Na-68 (*1019, p. 60; 1026, p. 54). City of Natchitoches. NE¼ sec. 15, T. 8 N., R. 7 W. Measurements discontinued.

Na-69 (*1019, p. 60; 1026, p. 54). City of Natchitoches. NE¼ sec. 15, T. 8 N., R. 7 W., at pumping plant. Water levels, in feet below land-surface datum, 1946: Apr. 6, 36.9; Dec. 26, 41.1.

Orleans Parish

Or-25 (*1026, p. 55). Morgan Ice Co. plant No. 1. Formerly owned by the Burtz Ice Co. 1215 Magnolia Street, New Orleans. Automatic water-stage recorder installed Jan. 23, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
1	....	48.4	....	....	56.7	62.6	64.6	67.1	....	69.7	64.8
2	....	48.3	....	....	57.0	61.7	64.3	67.2	....	69.6	64.9
3	....	47.8	....	....	57.3	61.6	64.2	67.0	....	69.2	63.6
4	....	47.7	....	....	57.0	62.1	64.3	66.9	....	69.0	64.9
5	....	47.9	....	....	56.4	62.5	65.2	66.9	....	69.5	64.9
6	....	48.3	....	....	56.0	63.0	65.0	66.9	....	69.0	64.1
7	....	48.4	....	....	....	63.2	64.6	67.1	....	68.8	63.8
8	....	48.4	....	....	....	63.3	64.6	67.3	....	68.6	63.3
9	....	49.2	....	....	....	63.3	65.3	68.1	....	68.3	63.3
10	....	49.1	....	....	....	62.5	65.8	68.3	....	67.4	63.5
11	....	48.0	....	....	....	63.0	66.1	68.1	....	67.0	63.8
12	....	47.8	....	....	....	63.3	66.6	68.5	....	66.7	63.7
13	....	48.5	....	....	....	63.6	66.6	68.9	....	66.1	63.8
14	....	48.7	....	....	....	64.0	65.7	69.3	....	65.8	63.5
15	....	48.2	....	....	....	63.8	65.7	69.7	....	65.6	62.8
16	....	48.0	....	....	....	63.4	66.3	70.1	....	65.8	62.0
17	....	47.8	....	....	....	63.3	66.6	70.2	....	66.1	62.4
18	....	47.3	47.5	....	....	64.0	66.7	70.0	....	65.3	62.3
19	....	47.3	....	....	....	64.3	66.8	69.9	....	65.3	61.3
20	....	47.3	....	55.8	....	64.6	66.9	70.5	69.5	65.3	60.6
21	....	....	....	55.6	....	64.6	65.8	70.8	69.1	65.4	60.4
22	....	....	....	55.8	....	64.8	65.6	70.7	69.7	65.5	60.0
23	....	....	....	56.3	....	65.5	66.3	71.0	69.7	65.4	59.2

Or-25--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
24	48.4	....	....	56.5	60.8	65.6	66.5	70.9	69.7	64.8	59.2
25	48.4	....	....	56.6	60.9	64.6	66.6	70.9	69.6	64.5	58.6
26	48.2	....	....	56.8	60.1	64.2	66.8	71.3	69.7	65.3	57.8
27	48.0	....	....	56.7	60.5	64.0	66.8	71.0	69.3	65.6	57.9
28	47.6	....	....	55.6	61.1	63.8	66.8	a70.90	69.0	65.2	58.3
29	47.4		....	55.8	61.7	64.0	66.8	....	69.3	65.0	58.3
30	47.8		....	56.2	62.2	64.5	66.8	....	69.7	65.1	57.5
31	49.0		....		62.4		66.9	....	70.0		57.4

a Tape measurement at odd hour.

Ouachita Parish

Ou-23. Southern Carbon Co. Sec. 37, T. 19 N., R. 4 E., south water well 7. Drilled industrial well, diameter 6 inches, depth 726 feet. Equipped with gas lift pump. Measuring point, top of casing, at land-surface datum. Water level, in feet below land-surface datum, 1946: Feb. 13, 77.9.

Ou-26. Fred Fudickar. S½ sec. 81, T. 18 N., R. 4 E. Drilled domestic well, diameter 3 inches, depth 600± feet. Measuring point, top of 3-inch casing, 1.08 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Jan. 17, 68.05; Apr. 11, 68.22; Nov. 20, 69.62; Dec. 18, 69.95.

Ou-30. G. B. Cooley Sanitarium. SW¼ sec. 3, T. 18 N., R. 3 E., 7 miles northwest of Monroe. Drilled domestic well, diameter 6 inches, depth 458 feet. Equipped with turbine pump. Measuring point, lower side of vent opening on east side of pump, 2.69 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 31, 132.74; Nov. 19, 131.17; Dec. 18, 130.63.

Ou-73. Tennessee Gas & Transmission Co. well 1. Off old Arkansas road. Drilled industrial well. Equipped with turbine pump. Measuring point, lower lip 2½-inch pipe in concrete base, 1.06 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Feb. 19	154.38	Oct. 31	163.35	Dec. 18	162.27
Apr. 11	156.50	Nov. 19	162.54		

Ou-76. H. H. Holliway. At Monroe Sand & Gravel Co., West Monroe. Drilled industrial well, diameter 16 inches, depth 460 feet. Equipped with turbine pump. Measuring point, top of ¼-inch tee on east side in base of pump, 0.39 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	184.61	Feb. 19	184.80	July 18	189.69	Nov. 19	190.50
30	183.62	Apr. 11	185.61	Oct. 19	229.04	Dec. 18	186.57

Ou-77. Brown Paper Co. In back of spray pond. Abandoned drilled industrial well, diameter 16 inches, depth 500 feet. Measuring point, arrow marked on floor board of recorder box, at land-surface datum.

Ou-77--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	Nov.	Dec.
1	.....	.....	190.2	193.7	195.2	194.9	200.6	.....
2	.....	191.3	190.3	193.7	193.7	195.0	200.4	.....
3	.....	.....	190.1	193.7	193.7	195.3	200.5	.....
4	.....	.....	190.6	193.8	193.7	195.2	200.6	.....
5	.....	.....	190.4	194.0	193.2	195.2	200.6	.....
6	.....	.....	190.3	194.0	193.0	195.2	200.6	.....
7	.....	.....	190.5	194.0	192.6	195.1	200.0	.....
8	.....	.....	190.5	194.0	192.5	195.1	198.8	.....
9	.....	.....	190.8	194.1	192.5	195.1	.....	.....
10	.....	.....	190.8	194.4	192.5	195.2	.....	.....
11	.....	.....	190.8	194.2	192.5	195.1	198.1	.....
12	.....	.....	190.6	195.1	192.4	195.0	197.7	.....
13	.....	.....	189.7	194.8	192.4	195.1	197.7	.....
14	.....	.....	190.4	194.8	192.7	195.6	198.0	.....
15	.....	.....	190.5	194.9	192.4	195.2	198.3	.....
16	.....	.....	190.3	194.8	194.2	195.3	198.8	.....
17	.....	.....	190.4	194.7	194.7	192.4	199.1	213.8
18	.....	.....	190.7	194.7	194.8	193.7	199.3	212.7
19	.....	191.6	191.1	194.7	194.9	192.0	199.4	.....
20	.....	191.9	191.3	194.8	195.0	.....	.....	.....
21	.....	192.2	191.8	194.8	195.0	.....	.....	.....
22	.....	191.9	192.1	194.8	195.1	.....	.....	.....
23	191.9	187.4	192.3	194.7	195.0	.....	.....	.....
24	.....	187.5	192.4	194.8	195.0	.....	.....	.....
25	.....	187.7	192.6	194.7	195.0	.....	.....	.....
26	.....	191.1	192.8	195.0	195.0	.....	.....	.....
27	.....	190.6	192.7	195.0	194.9	.....	.....	.....
28	.....	.....	192.9	195.0	195.0	.....	.....	.....
29	.....		193.2	195.0	195.1	.....	.....	.....
30	191.2		193.4	195.1	195.0	.....	.....	.....
31	.....		193.6		194.9			.....

Ou-87. Louisville Cooperage. Jackson Street, Monroe. Drilled test well. Measuring point, top of concrete base at pipe, 0.92 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 31, 120.28; Nov. 19, 119.01; Dec. 18, 125.10.

Ou-89. James A. Noe. Sec. 59, T. 17 N., R. 3 E., old Columbia road. Used drilled domestic well, diameter 4 inches, depth 426 feet. Equipped with electric pressure pump. Measuring point, lower side of vent pipe on north side of pump, 0.95 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	71.67	Apr. 11	69.55	Dec. 18	70.97
Mar. 6	69.00	Nov. 19	68.87		

Ou-94. Angels Tourist Court. S½ irregular sec. 38, T. 18 N., R. 4 E., off Highway 80, east of Monroe, near Angels Tourist Court. Abandoned drilled well, diameter 4 inches, depth 890 feet. Measuring point, base of cap plug on casing, 1.95 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Jan. 23	75.49	Apr. 11	74.42	Nov. 20	77.57
31	75.21	July 19	76.01	Dec. 18	77.98

Ou-96. U. S. Army. Selman Field No. 2, Monroe. Drilled public-supply well. Equipped with turbine pump. Measuring point, top of reducer below gage on north side of pump, 2.96 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Mar. 5, 65.04; Apr. 11, 67.04.

Ou-100. City of Monroe. NE¼ sec. 67, T. 18 N., R. 4 E., east end of Howard Street. Drilled test well, diameter 3 inches, depth 869 feet. Measuring point, top of casing, 1.89 feet above land-surface datum.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	90.5	91.7	92.2	92.6	93.0	....
2	....	90.5	91.7	92.2	92.6	93.0	....
3	....	90.6	91.7	92.3	92.6	93.0	....
4	....	90.6	91.7	92.3	92.6	93.1	....
5	....	90.7	91.7	92.3	92.6	93.2	....
6	....	90.7	91.7	92.3	92.6	93.1	....
7	....	90.8	91.7	92.3	92.6	93.0	....
8	89.4	90.8	91.8	92.3	92.6	93.1	....
9	89.5	90.9	91.8	92.3	92.6	93.0	....
10	89.5	91.0	91.8	92.3	92.6	92.9	....
11	89.5	91.0	91.8	92.4	92.6	92.9	....
12	89.5	91.0	91.9	92.4	....	93.0	....
13	89.5	91.1	91.9	92.4	....	93.0	....
14	89.5	91.1	91.9	92.4	....	92.9	....
15	89.5	91.2	92.0	92.4	....	92.8	....
16	89.5	91.2	92.0	92.4	....	92.8	....
17	89.5	91.3	92.0	92.4	....	92.8	....
18	89.5	91.3	92.0	92.5	....	92.8	94.0
19	89.8	91.4	92.0	92.5	....	92.8	94.0
20	89.8	91.4	92.0	92.5	....	92.7	93.9
21	89.9	91.4	92.1	92.5	....	92.7	94.1
22	90.0	91.4	92.1	92.4	....	92.7	94.1
23	90.1	91.5	92.1	92.5	....	92.7	94.1
24	90.1	91.6	92.1	92.6	....	92.7	94.1
25	90.2	91.6	92.2	92.5	....	92.6	94.1
26	90.2	91.6	92.2	92.5	....	92.6	94.1
27	90.2	91.6	92.1	92.5	....	....	94.1
28	90.3	91.6	92.1	92.4	....	....	94.1
29	90.4	91.6	92.2	92.4	....	....	94.1
30	90.4	91.6	92.2	92.6	....	....	94.1
31		91.6	92.2		93.0		94.1

Ou-102. City of Monroe. NW. corner sec, 6, T. 18 N., R. 4 E. Drilled test well, diameter 3 inches, depth 890 feet. Measuring point, lowest point in notch in top of 3-inch casing, 5.65 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
July 30	78.90	Oct. 31	80.13	Dec. 18	80.58
Sept.24	79.73	Nov. 21	79.73		

Ou-103. City of Monroe. NE. corner sec. 49, T. 18 N., R. 4 E. Drilled test well, diameter 3 inches, depth 896. Measuring point, top of 3-inch collar, 3.50 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Aug. 16	79.15	Oct. 31	75.94	Dec. 18	76.47
Sept.24	75.58	Nov. 20	75.62		

Ou-120. S. H. Thatcher. SE. corner sec. 39, T. 19 N., R. 3 E., 501 Speed Drive, Monroe. Drilled domestic well, diameter 4 inches, depth about 600 feet. Measuring point is 0.50 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: Feb. 13, 74.25; Nov. 21, 76.97; Dec. 19, 77.32.

Ou-121. Fowler Interstate Natural Gas Co. well 8. NE¼SW¼ sec. 2, T. 19 N., R. 4 E. Drilled industrial well. Equipped with turbine pump. Water level, in feet below land-surface datum, 1946: Feb. 14, 77.70.

Ou-124. Brown Paper Co. test well 8. In West Monroe, in center sec. 10, T. 17 N., R. 3 E. Drilled test well, depth 726 feet. Measuring point, plug above concrete base, 3.79 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Mar. 5, 168.80.

Ou-127. W. T. Worley. Route 2, Dooley Road, Monroe. Drilled domestic well, depth 515 feet. Measuring point, lower side of vent on north side of pump, 1.04 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Jan. 11, 91.71; Mar. 5, 91.40.

Rapides Parish

R-21 (*845, p. 140; 886, p. 245; 909, p. 42; 939, p. 27; 947, p. 29; 989, p. 39; 1019, p. 61; 1026, p. 55). City of Alexandria. In Alexandria, at Fourth and St. James Streets.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Mar. 27	98.54	July 23	102.23	Nov. 13	149.58
Apr. 29	98.60	Oct. 21	139.76	Dec. 21	109.94

R-26 (*845, p. 140; 886, p. 245; 909, p. 43; 939, p. 28; 947, p. 30; 989, p. 40; 1019, p. 61; 1026, p. 55). Missouri Pacific Railroad Co. In Alexandria, at abandoned roundhouse on North 13th Street. Measuring point, top of casing, 3 feet above land-surface datum. Water-stage recorder installed Sept. 6, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16 a	122.10	Sept. 14	128.8	Nov. 8	125.3	Dec. 5	127.8
Feb. 7 a	114.64	15	128.4	9	125.6	6	127.5
27 a	118.40	16	126.1	10	124.1	7	127.2
Mar. 27 a	123.60	17	127.0	11	123.0	8	127.2
Apr. 28 a	125.52	18	127.6	12	123.9	9	129.2
May 16 a	125.99	19	127.8	13	124.0	10	127.8
19 a	126.57	20	127.8	14	124.1	11	127.0
22 a	125.76	21	127.7	15	124.3	12	126.7
23	126.2	22	127.5	16	124.8	13	126.4
24	126.0	23	124.9	17	124.7	14	126.1
26 a	127.27	24	125.7	18	122.6	15	126.3
June 15 a	130.04	Oct. 21	123.8	19	123.5	16	128.4
22 a	129.92	23	125.1	20	124.0	17	127.2
26	127.2	24	125.2	21	124.5	18	127.6
28 a	127.39	25	125.3	22	124.8	19	128.1
29 a	127.24	26	125.8	23	125.3	20	128.2
30 a	125.83	27	125.6	24	125.3	21	128.4
July 1	124.6	28	123.4	25	123.4	22	128.3
5 a	126.56	29	124.3	26	124.5	23	126.0
17 a	124.84	30	125.0	27	125.4	24	127.2
Sept. 6	128.8	31	124.8	28	125.8	25	127.6
7	129.1	Nov. 1	125.3	29	125.9	26	125.4
8	128.9	2	124.0	30	126.3	27	125.6
9	127.5	3	125.5	Dec. 1	127.8	28	126.4
10	127.4	4	123.7	2	129.7	29	126.4
11	128.0	5	124.7	3	128.7	30	125.0
12	128.3	6	125.0	4	128.3	31	126.4
13	128.3	7	125.2				

a Tape measurement at odd hour.

R-35 (*845, p. 141; 886, p. 246; 909, p. 44; 939, p. 29; 947, p. 30; 989, p. 40; 1019, p. 61; 1026, p. 55). Pine Products Co. In Alexandria. No measurements made in 1946.

R-41. L. D. Kellogg. Kellogg Lumber Co., Ransville. Drilled industrial well, diameter 6 inches, depth 400 feet. Measuring point, bottom of hole in 3-inch pipe for faucet, 2.60 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: July 23, 53.93; Nov. 14, 54.53; Dec. 21, 55.24.

R-43A (*845, p. 61; 886, p. 246; 909, p. 44; 939, p. 29; 947, p. 31; *989, p. 41; 1019, p. 61; 1026, p. 55). Missouri Pacific Railroad Co. In Alexandria. Measurements discontinued.

R-67 (*845, p. 142; 886, p. 246; 909, p. 44; 939, p. 29; 947, p. 31; *989, p. 41; 1019, p. 61; 1026, p. 55). Louisiana Ice & Electric Co. In LeCompte. Measurements discontinued.

R-80 (*1019, p. 61; 1026, p. 55). Louisiana Ice & Electric Co. On Highway 71, at Cheneyville. Measurements discontinued.

R-89 (*845, p. 142; 886, p. 247; 909, p. 44; 939, p. 29; 947, p. 31; *989, p. 41; 1019, p. 61; 1026, p. 55). State Colony Farm. SE. corner sec. 39, T. 4 N., R. 2 W. Measurements discontinued.

R-135 (*845, p. 143; 886, p. 247; 909, p. 45; 939, p. 30; 947, p. 31; *989, p. 41; 1019, p. 61; 1026, p. 55). At Arbuthnot Mill site, in sec. 61, T. 5 N., R. 3 W. Measurements discontinued.

R-183 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30; 947, p. 31; *989, p. 41; 1019, p. 61; 1026, p. 55). O. T. Oden. 8 miles south of Alexandria, on U. S. Highway 165. Measurements discontinued.

R-184 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30; 947, p. 31; *989, p. 41; 1019, p. 61; 1026, p. 55). O. T. Oden. 8 miles south of Alexandria, on U. S. Highway 165. Measurements discontinued.

R-207 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31; 947, p. 31; *989, p. 41; 1019, p. 62; 1026, p. 56). State Hospital for Insane. In Pineville. Measurements discontinued.

R-208 (*845, p. 145; 886, p. 249; 909, p. 46; 939; p. 31; 947, p. 31; *989, p. 41; 1026, p. 56). State Hospital for Insane. In Pineville. Water levels, in feet below land-surface datum, 1946: Mar. 27, 153.00; Apr. 29, 155.40; July 24, 146.27; Oct. 23, 145.79.

R-218 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31; 947, p. 31; *989, p. 31; 1019, p. 62; 1026, p. 56). Camp Beauregard. About 5 miles north of Pineville. Measurements discontinued.

R-318 (*1019, p. 62; 1026, p. 56). Camp Claiborne. NW¼SW¼ sec. 11, T. 1 N., R. 2 W., test hole at tent theater. Water levels, in feet below land-surface datum, 1946: May 22, 69.82; Nov. 13, 68.28; Dec. 21, 69.19.

R-328 (*1019, p. 62; 1026, p. 56). Camp Claiborne. NE¼NW¼ sec. 11, T. 1 N., R. 2 W. Measurements discontinued.

R-330 (*1019, p. 63; 1026, p. 56). Camp Claiborne. SW¼SW¼ sec. 12, T. 1 N., R. 2 W. Measurements discontinued.

R-344 (*939, p. 31; 947, p. 32; *989, p. 42; 1019, p. 63; 1026, p. 56). Camp Livingston. NW. corner sec. 3, T. 5 N., R. 1 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Mar. 27	183.97	July 24	180.67	Nov. 13	170.96
Apr. 29	179.35	Oct. 21	172.41	Dec. 20	179.63

R-347 (*939, p. 32; 947, p. 32; 989, p. 42; 1019, p. 63; 1026, p. 56). Camp Claiborne. Water levels, in feet below land-surface datum, 1946: Nov. 13, 64.39; Dec. 21, 64.35.

R-364. Camp Claiborne. NW¼SW¼ sec. 11, T. 1 N., R. 2 W. Drilled public-supply well, diameter 12 inches, depth 406 feet. Measuring point, top of casing, at land-surface datum. Water levels, in feet below land-surface datum, 1946: Apr. 30, 63.08; May 22, 66.77.

R-366 (*1019, p. 63; 1026, p. 56). Camp Claiborne observation well 11a. At Camp Claiborne. Water levels, in feet below land-surface datum, 1946: Apr. 30, 65.77; May 22, 61.70; Nov. 13, 65.95; Dec. 21, 64.61.

R-368 (*939, p. 32; 947, p. 33; *989, p. 42; 1019, p. 64; 1026, p. 56). Camp Claiborne. 50 feet from well 12. Measurements discontinued.

R-370 (*1019, p. 64; 1026, p. 56). Camp Claiborne. About 50 feet north of well 13 (U. S. Geol. Survey well 369). Measurements discontinued.

R-381 (*947, p. 33; 989, p. 43; 1019, p. 64; 1026, p. 56). Camp Livingston. About 100 feet west and 60 feet north of well 3NW (U. S. Geol. Survey well 355).

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Mar. 27	67.64	July 24	67.17	Nov. 13	67.60
Apr. 29	67.47	Oct. 21	67.46	Dec. 20	67.58

R-396 (*1019, p. 64; 1026, p. 56). Camp Claiborne. North observation well on range. Measurements discontinued.

R-397 (*1019, p. 65; 1026, p. 56). Camp Claiborne. South observation well near hospital. Measurements discontinued.

St. Charles Parish

Sc-6 (*939, p. 43; 1019, p. 65; 1026, p. 56). Shell Oil Co. N½ sec. 6, T. 12 S., R. 8 E., 1,000 feet south of Louisiana & Arkansas Railway tracks.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.5	....	47.5	46.6	49.1	....	....	53.8	53.8	53.4	48.9	48.3
2	51.2	....	47.5	46.7	50.2	....	....	53.8	53.8	....	48.9	47.3
3	49.8	....	47.5	46.6	50.6	....	....	53.8	53.7	....	49.1	47.0
4	49.1	....	47.3	46.6	50.6	50.8	....	53.8	53.7	....	49.2	47.8
5	50.0	....	47.3	46.6	50.9	50.5	....	53.9	53.7	....	49.1	48.1
6	50.1	....	....	46.6	51.0	50.5	....	53.8	53.9	....	50.0	47.6
7	48.6	48.2	....	46.7	51.1	51.1	....	53.7	53.9	....	49.8	47.9
8	49.7	48.3	47.3	46.7	51.3	50.3	....	53.7	54.0	....	50.2	48.0
9	....	48.4	47.5	46.5	51.3	50.4	....	53.6	53.9	....	49.2	48.3
10	....	48.2	47.3	46.6	....	50.3	52.9	53.3	54.0	....	49.1	48.3
11	....	47.3	47.3	46.7	....	50.4	53.1	53.4	54.1	....	49.9	47.1
12	....	47.9	....	....	....	50.2	53.3	53.4	53.8	....	49.4	47.8
13	....	48.0	....	....	....	50.2	53.2	53.6	....	....	48.3	48.0
14	....	47.9	46.7	....	....	49.9	53.2	53.1	....	....	47.8	48.2
15	....	48.0	46.7	....	....	50.9	53.2	53.4	....	....	48.1	47.6
16	....	48.1	43.0	....	51.0	51.3	53.3	53.6	....	....	48.1	42.8
17	47.7	48.0	42.6	46.0	....	51.7	53.4	53.5	....	....	48.2	41.1
18	48.0	48.1	42.4	46.1	....	51.8	53.4	53.5	53.5	....	47.5	40.4
19	48.2	48.0	42.3	46.0	....	51.3	53.5	53.5	52.9	....	48.1	45.5
20	48.1	47.9	46.2	46.5	....	52.3	53.5	53.6	53.3	....	48.1	46.6
21	48.1	47.9	46.5	46.5	....	52.3	53.6	53.5	53.3	....	47.6	47.3
22	47.9	47.7	46.5	46.6	....	52.3	53.5	53.6	53.3	....	47.6	47.3
23	47.9	47.5	....	46.6	51.7	52.4	53.7	53.6	53.3	49.3	47.7	47.6
24	47.9	47.4	....	46.5	....	52.4	53.7	53.7	53.3	49.2	47.8	47.8
25	48.0	47.3	....	46.8	....	52.8	53.8	53.7	53.1	44.8	47.6	47.7
26	48.1	47.4	....	47.0	....	....	53.9	....	53.2	47.9	47.7	47.7
27	48.1	47.4	....	47.1	....	....	54.0	....	53.0	47.8	47.6	47.8
28	48.1	47.4	....	46.9	....	....	53.9	53.7	53.3	47.9	47.8	47.9
29	46.9		46.5	47.2	....	....	53.9	53.8	53.2	48.0	48.0	47.9
30	46.5		46.6	47.2	....	....	53.8	53.9	53.3	48.6	48.4	47.9
31	47.2		46.6		....		53.9	53.8		48.7		47.7

St. Landry Parish

SL-7 (*1019, p. 66; 1026, p. 57). W. J. Durio. In Arnaudville, 50 feet northwest of Shell garage, 100 feet west of State Highway 25.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	14.48	Apr. 15	12.74	July 9	11.25	Oct. 8	15.57
Feb. 12	12.54	May 6	13.54	Aug. 5	12.49	Nov. 5	15.79
Mar. 11	12.16	June 11	12.10	Sept. 9	14.95	Dec. 9	13.78

SL-10 (*1019, p. 66; 1026, p. 57). Cankton Gin Co. NE¼NE¼ sec. 24, T. 8 S., R. 3 E., in Cankton, at rear of cotton gin.

Water level, in feet below land-surface datum, 1946

Jan. 10	39.71	Apr. 17	38.37	July 10	37.83	Oct. 10	39.09
Feb. 13	38.65	May 8	38.16	Aug. 7	38.87	Nov. 7	39.20
Mar. 13	39.40	June 13	38.60	Sept. 11	39.15	Dec. 12	38.71

SL-14 (*1019, p. 66; 1026, p. 57). Z. T. Cary. SW¼NE¼ sec. 16, T. 7 S., R. 3 E., in Lewisburg, at rear of cotton gin. Automatic water-stage recorder installed Jan. 19, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	53.6	....	52.7	53.0	54.1	54.9	54.8	55.6	55.6	54.8	54.3
2	....	53.7	....	52.7	53.0	54.1	55.0	54.8	55.7	55.6	54.9	54.4
3	....	53.7	....	52.7	53.1	54.2	55.0	54.8	55.6	55.6	54.9	54.5
4	....	53.6	....	52.7	53.1	54.2	54.9	54.7	55.6	55.6	55.0	54.5
5	....	53.5	....	52.6	53.2	54.3	54.9	54.7	55.6	55.5	54.9	54.4
6	....	53.3	....	52.6	53.2	54.2	54.8	54.7	55.7	55.5	54.8	54.3
7	....	53.8	....	52.5	53.3	54.1	55.0	54.6	55.6	55.5	54.8	54.3
8	....	53.4	....	52.5	53.6	54.1	55.0	54.6	55.6	55.5	54.8	54.2
9	....	53.3	....	52.5	53.9	54.2	55.1	54.6	55.6	55.5	54.7	54.2
10	....	53.3	....	52.5	54.1	54.3	55.1	54.6	55.6	55.4	54.7	54.2
11	....	53.3	....	52.5	54.1	54.3	55.1	54.6	55.7	55.4	54.8	54.1
12	....	53.4	....	52.6	54.0	54.4	55.1	54.7	55.6	55.4	54.9	54.0
13	....	53.3	52.7	52.6	54.1	54.3	55.0	54.7	55.6	55.4	54.9	54.0
14	....	52.8	52.7	52.6	54.2	54.3	55.0	54.8	55.7	55.4	54.8	54.0
15	....	53.0	52.7	52.5	54.1	54.3	55.0	54.9	55.7	55.4	54.7	54.0
16	....	52.9	52.7	52.5	54.2	54.3	55.0	55.0	55.6	55.3	54.6	54.0
17	....	52.9	52.7	52.6	54.1	54.3	55.0	55.1	55.6	55.2	54.7	54.0
18	....	....	52.9	52.7	54.2	54.3	54.9	55.2	55.7	55.2	54.7	54.1
19	53.9	....	52.9	52.7	54.1	54.4	54.9	55.2	55.7	55.2	54.6	54.0
20	53.6	....	52.9	52.7	54.2	54.4	54.9	55.3	55.7	55.3	54.5	53.8
21	54.7	....	52.9	52.7	54.2	54.5	54.9	55.4	55.7	55.3	54.5	53.9
22	53.8	....	52.9	52.7	54.2	54.6	54.7	55.4	55.6	55.2	54.6	54.0
23	53.9	....	52.8	52.7	54.2	54.6	54.8	55.5	55.5	55.1	54.6	54.0
24	54.8	....	52.8	52.6	54.1	54.6	54.9	55.5	55.7	55.0	54.4	53.9
25	53.8	....	52.7	52.5	54.1	54.7	54.9	55.6	55.7	55.0	54.3	53.9
26	53.6	....	52.7	52.6	54.0	54.6	54.9	55.6	55.7	55.1	54.3	53.8
27	53.7	....	52.6	52.7	54.0	54.8	54.8	55.5	55.6	55.1	54.4	53.8
28	53.8	....	52.6	52.8	54.1	54.8	54.8	55.5	55.6	55.1	54.4	53.7
29	53.7		52.6	52.9	54.1	54.9	54.7	55.6	55.6	55.1	54.4	53.7
30	53.6		52.6	52.8	54.0	54.9	54.7	55.6	55.6	55.0	54.3	53.8
31	53.5		52.7		54.0		54.7	55.6		54.9		53.8

SL-19 (*1019, p. 66; 1026, p. 57). Mrs. A. R. Childs. Irregular sec. 64, T. 7 S., R. 2 E., 2.5 miles north from Church Point on State Highway 375.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	53.68	Apr. 17	55.62	July 11	56.17	Oct. 10	56.22
Feb. 14	52.78	May 8	54.56	Aug. 7	55.35	Nov. 7	55.15
Mar. 13	55.12	June 13	55.02	Sept. 11	62.52	Dec. 12	55.49

SL-26 (*1019, p. 66; 1026, p. 57). George Parker. Irregular sec. 71, T. 4 S., R. 3 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	39.30	Apr. 15	39.23	July 9	39.56	Oct. 8	39.61
Feb. 12	39.35	May 6	39.56	Aug. 5	39.47	Nov. 5	39.62
Mar. 11	39.20	June 11	39.60	Sept. 9	39.58	Dec. 9	39.65

SL-30 (*1019, p. 66; 1026, p. 57). Town of Washington. Irregular sec. 27, T. 5 S., R. 4 E. Measurements discontinued.

SL-31. Dr. Otig. Irregular sec. 42, T. 3 S., R. 3 E. Used drilled domestic well, diameter 2 inches, depth 150 feet. Measuring point, top of 2-inch casing, 0.90 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

July 3	9.53	Aug. 5	9.30	Oct. 8	10.95	Dec. 9	10.42
9	8.78	Sept. 9	10.52	Nov. 5	11.18		

SL-33 (*1026, p. 57). Charles Bye. SW¼ sec. 31, T. 3 S., R. 5 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 8	12.16	Mar. 11	10.60	May 6	12.05
Feb. 12	10.47	Apr. 15	11.34		

SL-35 (*1019, p. 66; 1026, p. 58). Palmetto Mercantile Co. SW¼SE¼ sec. 12, T. 4 S., R. 6 E. Measurements discontinued.

SL-40 (*1019, p. 66; 1026, p. 58). Dalfrey Bros. cotton gin. NW¼NE¼ sec. 23, T. 7 S., R. 5 E., in Leonville, at rear of cotton gin.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	14.80	Apr. 15	13.08	July 9	11.53	Oct. 8	14.60
Feb. 12	13.10	May 6	13.54	Aug. 5	12.29	Nov. 5	14.78
Mar. 11	12.58	June 11	12.30	Sept. 9	14.50	Dec. 9	13.45

SL-43 (*1019, p. 67; 1026, p. 58). E. C. Simmons. SE¼SE¼ sec. 14, T. 6 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 10	56.90	Apr. 17	55.21	July 11	63.11	Nov. 7	60.99
Feb. 14	56.09	May 8	59.30	Sept.11	64.22	Dec. 12	58.44
Mar. 13	54.96	June 13	61.49				

SL-48 (*1019, p. 67; 1026, p. 58). L. P. Erickson. SE¼NW¼ sec. 24, T. 6 S., R. 1 W. Measuring points: (1) Bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 4.20 feet, (2) since Mar. 14, 1946, the distance from measuring point to land-surface datum being 3.50 feet.

Water level, in feet below land-surface datum, 1946

Jan. 10	50.67	Apr. 18	49.18	Aug. 7	64.59	Nov. 7	57.78
Feb. 14	49.09	June 13	70.91	Sept.11	64.30	Dec. 12	56.02
Mar. 14	49.23	July 11	71.13	Oct. 10	62.23		

SL-57 (*1019, p. 67; 1026, p. 58). Sun Oil Co. Irregular sec. 37, T. 7 S., R. 4 E., 2.0 miles west-northwest of Sunset, on State Highway 5. Measurements discontinued.

SL-78. H. E. Lowery. NE¼NE¼ sec. 5, T. 2 S., R. 4 E. Drilled domestic and stock well, diameter 1.25 inches, depth 77 feet. Measuring point, top of casing, 1.01 feet above land-surface datum.

SL-78--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 3	6.39	Aug. 5	5.81	Oct. 8	8.89	Dec. 9	7.84
9	5.47	Sept. 9	8.29	Nov. 5	9.24		

St. Martin Parish

SMn-20 (*1019, p. 67; 1026, p. 58). Smedes Bros. sugar mill. NW¼SE¼ sec. 13, T. 11 S., R. 5 E., at Cade station, 50 feet east of water-tank tower.

Water level, in feet below land-surface datum, 1946

Jan. 9	22.88	Apr. 16	19.14	June 12	18.30	Aug. 6	17.13
Feb. 13	18.47	May 7	20.10	July 9	16.57	Sept.10	20.03
Mar. 12	18.20						

SMn-38 (*1019, p. 67; 1026, p. 58). Gordy Salt Co. Irregular sec. 71, T. 9 S., R. 5 E. Measurements discontinued.

SMn-51 (*1019, p. 67; 1026, p. 58). People's Cotton Oil Co. Irregular sec. 35, T. 8 S., R. 6 E., 1.2 miles northeast of Champagne.

Water level, in feet below land-surface datum, 1946

Jan. 8	5.25	Apr. 15	1.86	July 9	1.84	Oct. 8	7.10
Feb. 12	1.69	May 6	2.95	Aug. 5	3.57	Nov. 5	7.75
Mar. 11	1.92	June 11	2.05	Sept. 9	2.40		

SMn-58 (*1019, p. 67; 1026, p. 58). St. Joseph Catholic Church. Irregular sec. 55, T. 8 S., R. 6 E., in Cecelia.

Water level, in feet below land-surface datum, 1946

Jan. 8	14.09	Apr. 15	11.10	July 9	10.65	Oct. 8	15.91
Feb. 12	11.19	May 6	12.08	Aug. 5	12.37	Nov. 5	16.58
Mar. 11	10.68	June 11	11.16	Sept. 9	14.79	Dec. 9	14.13

SMn-61 (*1019, p. 68; 1026, p. 58). Regis Lagrange. T. 8 S., R. 6 E., 3.0 miles southeast of Arnaudville, on State Highway 401.

Water level, in feet below land-surface datum, 1946

Jan. 8	12.89	Apr. 15	10.87	June 11	11.10	Aug. 5	10.95
Feb. 12	10.65	May 6	11.43	July 9	9.80	Sept. 9	13.50
Mar. 11	10.22						

SMn-62 (*1019, p. 68; 1026, p. 59). Ernest Fuselier. T. 8 S., R. 6 E., 2.4 miles southeast of Arnaudville, on State Highway 401.

Water level, in feet below land-surface datum, 1946

Jan. 8	13.07	May 6	11.67	Aug. 5	11.16	Nov. 5	14.88
Feb. 12	10.88	June 11	10.55	Sept. 9	13.66	Dec. 9	12.70
Mar. 11	10.46	July 9	9.98	Oct. 8	14.28		

SMn-63 (*1019, p. 68; 1026, p. 59). L. Charles Willis. Irregular sec. 47, T. 8 S., R. 6 E., 3.5 miles east of Arnaudville.

Water level, in feet below land-surface datum, 1946

Jan. 8	3.65	Apr. 15	0.90	July 9	0.26	Oct. 8	5.73
Feb. 12	.66	May 6	2.00	Aug. 5	2.09	Nov. 5	6.16
Mar. 11	.12	June 11	.54	Sept. 9	4.93	Dec. 9	3.40

SMn-68 (*1019, p. 68; 1026, p. 59). A. R. Fuselier. Irregular sec. 7, T. 11 S., R. 7 E., 3.0 miles southeast of St. Martinville. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 1.78 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	4.57	Apr. 16	3.32	July 9	2.52	Oct. 8	4.81
Feb. 13	2.89	May 7	3.52	Aug. 6	2.51	Nov. 6	5.66
Mar. 12	2.67	June 12	2.86	Sept. 10	4.23	Dec. 10	4.29

St. Tammany Parish

St-2 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; 989, p. 44; 1019, p. 68; 1026, p. 59). Mayer Israel. At Covington, in NE¼ sec. 7, T. 6 S., R. 11 E. Water levels, in feet above land-surface datum, 1946: July 19, 85.1; Oct. 2, 84.7; Dec. 30, 85.1.

St-6 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; 989, p. 44; 1019, p. 68; 1026, p. 59). Poitevent & Favre Lumber Co. SW¼SW¼ sec. 17, T. 7 S., R. 13 E., on south side of Highway 114. Water levels, in feet above land-surface datum, 1946: July 19, 4.4; Oct. 1, 4.2; Dec. 29, 3.9.

St-10 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; 989, p. 44; 1019, p. 68; 1026, p. 59). State Fish Hatchery. At Lacombe, in sec. 38, T. 8 S., R. 12 E., south well. Water levels, in feet above land-surface datum, 1946: July 19, 30.5; Oct. 1, 29.8; Dec. 29, 32.3.

St-12 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; 989, p. 44; 1019, p. 68; 1026, p. 59). Techefuncte State Park. In park, in sec. 43, T. 8 S., R. 12 E., on golf course. Water levels, in feet above land-surface datum, 1946: July 19, 46.4; Oct. 1, 48.2; Dec. 29, 48.1.

St-16 (*886, p. 250; 909, p. 47; 939, p. 33; 947, p. 34; 989, p. 44; 1019, p. 68; 1026, p. 59). Great Southern Lumber Co. In sec. 20, T. 5 S., R. 13 E., 0.5 mile south and 1.5 miles west of Bush. Water levels, in feet above land-surface datum, 1946: July 11, 38.1; Oct. 2, 29.6; Dec. 30, 28.9.

St-38. Jesse Smith. SW¼SW¼ sec. 22, T. 7 S., R. 13 E. Abandoned drilled domestic well, diameter 4 inches, depth 900+. Measuring point, center of 4-inch discharge tee, 4.00 feet above land-surface datum. Water levels, in feet above land-surface datum, 1946: July 19, 6.6; Oct. 1, 7.3; Dec. 29, 7.2.

St-88 (*947, p. 34; 989, p. 44; 1019, p. 69; 1026, p. 59). C. h. Howze. In Slidell, at Teddy Avenue and Eight Street. Measurements discontinued.

St-367 (*947, p. 34; 989, p. 44; 1019, p. 69; 1026, p. 59). J. L. Smith. In Covington, at Mississippi and Hancock Streets. Measurements discontinued.

St-1020 (*947, p. 34; 989, p. 44; 1019, p. 69; 1026, p. 60). H. D. Howser Estate. NE¼NW¼ sec. 15, T. 7 S., R. 14 E., 0.5 mile east of Highway 58. Water levels, in feet above land-surface datum, 1946: July 19, 17.4; Oct. 1, 17.0; Dec. 29, 16.9.

Tangipahoa Parish

Ta-5 (*886, p. 251; 909, p. 47; 939, p. 33; 947, p. 34; 989, p. 44; 1019, p. 69; 1026, p. 60). Southern United Ice Co. In Amite, at rear of lot behind ice plant. Measuring point, top of 4-inch threaded collar, 4.47 feet above land-surface datum. Water levels, in feet above land-surface datum, 1946: July 10, 13.0; Oct. 2, 11.8; Dec. 30, 12.9.

Ta-7 (*886, p. 251; 909, p. 47; 939, p. 33; 947, p. 34; 989, p. 44; 1019, p. 69; 1026, p. 60). Town of Ponchatoula. In Ponchatoula, about 50 feet west of pumping station. Measuring point, 0.73 above land-surface datum. Water levels, in feet above land-surface datum, 1946: July 18, 9.13; Oct. 1, 8.7; Dec. 29, 9.6.

Ta-8 (*886, p. 251; 909, p. 47; 939, p. 33; 947, p. 34; *989, p. 44; 1019, p. 69; 1026, p. 60). Louisiana Cypress Lumber Co. In Ponchatoula, about 200 yards west of Highway 122, at railroad spur on road to lumber mill. Measuring point is 1.00 foot above land-surface datum. Water levels, in feet above land-surface datum, 1946: Mar. 3, 8.2; July 18, 6.1; Oct. 1, 5.7; Dec. 29, 7.7.

Ta-10 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 34; *989, p. 45; 1019, p. 69; 1026, p. 60). Williams Lumber Co. 1 mile south of Ponchatoula, at arch across Highway 122. Measuring point is 1.10 feet above land-surface datum. Water levels, in feet above land-surface datum, 1946: Mar. 3, 18.5; July 18, 16.2; Oct. 1, 21.2; Dec. 29, 21.9.

Ta-17 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69; 1026, p. 60). Carl Blumquist. Center of NE¼ sec. 6, T. 6 S., R. 8 E., in corner of field. Measuring point is 1.50 feet above land-surface datum. Water levels, in feet above land-surface datum, 1946: July 11, 3.6; Oct. 1, 2.1; Dec. 29, 3.8.

Ta-19 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69; 1026, p. 60). V. Stevens. SE¼NE¼ sec. 26, T. 7 S., R. 8 E., in field. Measuring point is at land-surface datum. Water levels, in feet above land-surface datum, 1946: Mar. 3, 19.5; July 11, 19.3; Oct. 1, 18.7; Dec. 29, 19.4.

Ta-21 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69; 1026, p. 60). Burns Davis. N½ irregular sec. 54, T. 7 S., R. 7 E., at shed. No measurements made in 1946.

Ta-23 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69; 1026, p. 60). Otto Bignor. South line of sec. 50, T. 7 S., R. 7 E., in field. Measuring point is 0.60 foot above land-surface datum. Water levels, in feet above land-surface datum, 1946: July 18, 4.1; Sept. 20, 3.6; Dec. 30, 4.3.

Ta-24 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69; 1026, p. 60). Clyde Starkey. Center of sec. 53, T. 7 S., R. 7 E., in field. Water levels, in feet above land-surface datum, 1946: July 18, 5.8; Sept. 30, 5.3; Dec. 30, 5.9.

Ta-242 (*1026, p. 60). Byron Stevens. SE¼SW¼ sec. 23, T. 7 S., R. 8 E. Water levels, in feet above land-surface datum, 1946: July 11, 13.7; Sept. 18, 11.6; Oct. 1, 13.5; Dec. 29, 13.9.

Vermilion Parish

Ve-6 (*1019, p. 69; 1026, p. 60). City of Abbeville. In Abbeville, at water works. Measuring point, lower lip of gravel induction pipe, 0.14 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: Mar. 12, 8.05; Apr. 16, 12.66; May 7, 9.93.

Ve-22 (*1019, p. 69; 1026, p. 61). Maurice Ginning Co. NW¼NE¼ sec. 11, T. 11 S., R. 3 E., in Maurice.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	18.36	Apr. 17	16.74	July 10	18.35	Oct. 9	18.74
Feb. 13	16.25	May 8	17.59	Aug. 6	18.15	Nov. 6	18.57
Mar. 13	17.01	June 12	17.81	Sept.10	18.10	Dec. 10	17.48

Ve-28 (*1019, p. 70; 1026, p. 61). Corps of Engineers, U. S. Army, New Orleans District. At Vermillion Locks, on Intracoastal Canal.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	2.58	Apr. 16	2.53	July 10	2.25	Oct. 8	2.53
Feb. 13	2.20	May 7	2.47	Aug. 6	2.21	Nov. 6	2.60
Mar. 12	2.16	June 12	2.29	Sept.10	2.55	Dec. 10	2.22

Ve-30. S. Hebert. NW¼NW¼ sec. 7, T. 14 S., R. 3 E. Unused drilled irrigation well, diameter 6 inches, depth 430 feet. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 0.75 foot. Water levels, in feet below land-surface datum, 1946: Oct. 9, 2.90; Nov. 6, 3.22; Dec. 10, 3.56.

Ve-41 (*1019, p. 70; 1026, p. 61). C. Foremen. SW¼NE¼ sec. 1, T. 11 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 10	23.47	Apr. 17	21.83	July 10	26.49	Oct. 9	25.69
Feb. 13	22.20	May 8	24.64	Aug. 6	26.09	Nov. 6	24.79
Mar. 13	21.64	June 12	27.39	Sept.10	27.65	Dec. 10	23.53

Ve-78 (*1019, p. 70; 1026, p. 61). J. F. Noel. Irregular sec. 14, T. 13 S., R. 3 E., 1.5 miles south of Perry.

Water level, in feet below land-surface datum, 1946

Jan. 9	7.13	Apr. 16	6.78	July 10	6.82	Oct. 8	7.22
Feb. 13	6.74	May 6	6.65	Aug. 6	6.58	Nov. 6	7.51
Mar. 12	6.30	June 12	7.01	Sept.10	7.44	Dec. 10	6.78

Ve-97 (*1019, p. 70; 1026, p. 61). George Broussard. SE¼SW¼ sec. 14, T. 13 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 9	2.41	Apr. 16	2.37	June 12	2.55	Aug. 6	2.15
Mar. 12	1.35	May 6	2.57	July 10	2.29	Sept.10	3.42

Ve-106 (*1019, p. 70; 1026, p. 61). H. DuBois. NE¼SE¼ sec. 22, T. 12 S., R. 2 E.

Water level, in feet below land-surface datum, 1946

Jan. 9	10.54	Apr. 16	10.00	July 10	11.43	Oct. 9	11.71
Feb. 13	9.50	May 7	11.00	Aug. 6	10.62	Nov. 6	12.66
Mar. 12	9.42	June 12	11.38	Sept.10	12.22	Dec. 10	10.78

Ve-118 (*1019, p. 70; 1026, p. 61). Henry High School. NW¼SE¼ sec. 29, T. 13 S., R. 4 E., in Henry.

Water level, in feet below land-surface datum, 1946

Jan. 9	7.15	Apr. 16	8.64	July 9	5.91	Oct. 9	5.88
Feb. 13	6.55	May 7	6.80	Aug. 6	5.66	Nov. 6	5.84
Mar. 13	6.14	June 12	5.95	Sept.10	6.39	Dec. 10	5.53

Ve-120 (*1019, p. 70; 1026, p. 61). Erath Sugar Co. SW¼SW¼ sec. 35, T. 12 S., R. 4 E., in Erath.

Water level, in feet below land-surface datum, 1946

Jan. 9	7.52	Apr. 16	5.91	July 9	6.15	Oct. 9	5.99
Feb. 13	6.19	May 7	6.51	Aug. 6	5.67	Nov. 6	6.78
Mar. 12	5.79	June 12	6.10	Sept.10	6.30	Dec. 10	6.52

Ve-124 (*1026, p. 62). Dr. G. T. Gardiner. SE¼NE¼ sec. 25, T. 12 S., R. 2 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	7.56	Apr. 18	6.29	July 11	8.79	Oct. 11	9.75
Feb. 14	.40	May 8	6.26	Aug. 8	8.94	Nov. 8	9.32
Mar. 14	6.35	June 13	7.93	Sept.10	10.56	Dec. 13	8.25

Ve-125 (*1026, p. 62). Loffland Bros. Sec. 33, T. 11 S., R. 1 W.

Water level, in feet below land-surface datum, 1946

Jan. 11	9.24	May 8	7.93	July 11	12.44	Sept.10	13.99
Apr. 18	7.38	June 13	12.76	Aug. 8	12.07		

Ve-126 (*1026, p. 62). Magnolia Petroleum Co. NW¼SW¼ sec. 8, T. 12 S., R. 2 W. Measuring points: (1) Top of 1-inch nipple, 2.30 feet above land-surface datum; (2) since Mar. 14, 1946, top of 4-inch tee, 1.85 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Jan. 11	7.72	Apr. 8	6.10	July 10	9.43	Oct. 11	10.68
Feb. 14	6.85	May 8	6.16	Aug. 8	9.88	Nov. 8	9.89
Mar. 14	6.34	June 13	8.29	Sept.10	11.33	Dec. 13	8.64

Ve-127 (*1026, p. 62). Loffland Bros. Southwest of Ve-125, sec. 33, T. 11 S., R. 1 W. Automatic water-stage recorder installed Feb. 6, 1946.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	May	June	Oct.	Nov.	Dec.
1	...	...	5.3	...	9.4	10.4	9.3	7.9
2	...	...	5.1	...	9.0	10.4	9.2	7.9
3	...	...	4.9	...	8.3	10.4	9.1	7.9
4	...	...	4.8	...	8.3	10.4	9.1	7.9
5	...	...	...	...	8.3	10.4	9.0	7.9
6	...	5.9	...	...	8.4	10.4	9.0	7.8
7	...	5.9	...	...	8.6	10.3	9.0	7.8
8	...	5.9	...	...	8.7	10.3	9.0	7.8
9	...	5.9	...	5.7	8.8	10.3	8.9	7.7
10	...	5.9	...	6.2	6.9	10.2	8.8	7.7
11	...	5.9	...	6.6	9.0	10.1	8.5	7.6
12	...	5.9	...	6.8	9.4	10.0	8.5	7.6
13	...	5.7	...	6.7	9.9	10.0	8.5	7.6
14	...	5.7	...	6.5	11.1	9.9	8.5	7.5
15	...	5.8	...	6.2	11.6	9.9	8.5	7.5
16	...	5.7	...	5.9	11.5	9.9	8.4	7.5
17	...	5.7	...	5.9	10.9	9.8	8.5	7.4
18	...	5.7	...	5.9	10.6	9.8	8.5	7.3
19	...	5.6	...	6.0	10.4	9.8	8.4	7.4
20	...	5.6	...	6.1	10.3	9.8	8.4	7.3
21	...	5.6	...	6.2	10.3	9.7	8.3	7.2
22	...	5.6	...	6.3	10.3	9.7	8.3	...
23	...	5.6	...	6.5	10.4	9.6	8.3	...
24	...	5.6	...	6.6	10.3	9.6	8.2	...
25	...	5.6	...	6.8	10.8	9.5	8.2	...
26	5.5	...	...	7.0	11.3	9.4	8.1	...
27	5.5	...	...	6.9	11.5	9.4	8.1	...
28	5.4	...	...	8.2	11.2	9.4	8.0	7.1
29	...		...	9.0	11.1	9.4	8.0	7.1
30	...		...	9.2	11.1	9.3	7.9	7.1
31	...		...	9.2		9.3		...

Ve-128. Charles Stancil. NE¼ sec. 33, T. 11 S., R. 1 W. Used drilled irrigation well, diameter 10 inches, depth 330 feet. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 2.40 feet.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
July 11	14.84	Sept.10	16.42	Nov. 8	13.79
Aug. 8	14.45	Oct. 10	14.97	Dec. 13	12.40

Washington Parish

Wa-8 (*1019, p. 70; 1026, p. 62). Vertrees Young. N½ irregular sec. 45, T. 3 S., R. 13 E. Measuring point, end of discharge pipe, 1.0 foot above land-surface datum. Water levels, in feet above land-surface datum, 1946: Oct. 2, 22.6; Dec. 30, 16.0.

Webster Parish

Wb-15 (*1026, p. 62). International Paper Co., Southern Kraft Division. NE¼SE¼ sec. 22, T. 23 N., R. 11 W. New measuring point, floor of recorder house, 4.00 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29	107.3	May 6	108.4	May 28	108.7	July 27	109.9
30	107.5	7	108.4	29	108.7	28	109.9
31	107.7	8	108.4	30	108.7	29	109.9
Apr. 1	107.7	9	108.5	31	108.6	30	109.8
2	107.7	10	108.4	June 1	108.6	31	109.9
3	107.6	11	108.4	2	108.8	Aug. 1	110.0
4	107.7	12	108.5	3	109.0	2	110.0
5	107.7	13	108.5	8	109.2	3	110.0
6	107.6	14	108.5	9	109.3	4	110.0
7	107.6	15	108.4	10	109.3	5	110.0
8	107.6	16	108.6	11	109.3	6	109.9
9	107.6	17	108.5	12	109.2	7	109.9
10	107.7	18	108.5	13	109.2	8	110.0
27	108.1	19	108.5	14	109.3	9	110.0
28	108.2	20	108.6	15	109.3	10	110.0
29	108.2	21	108.8	16	109.3	11	110.1
30	108.1	22	108.8	17	109.3	12	110.2
May 1	108.2	23	108.6	18	109.3	13	110.1
2	108.2	24	108.6	19	109.3	14	110.1
3	108.2	25	108.7	20	109.3	15	110.3
4	108.3	26	108.7	July 25	109.9	Sept. 4	110.3
5	108.4	27	108.7	26	109.9		

Wb-91 (*1026, p. 63). International Paper Co., Southern Kraft Division. NE¼SE¼ sec. 22, T. 23 N., R. 11 W., about 40 feet west of well Wb-15. New measuring point, top of tile crock, 4.00 feet above land-surface datum. Water stage recorder removed Dec. 26, 1946.

Water level, in feet below land-surface datum, 1946
(From recorder charts)

Mar. 6 a	168.91	Mar. 16	169.2	Mar. 26	169.0	Apr. 31	166.3
7	169.1	17	169.3	27	168.9	May 1	166.6
8	169.2	18	169.4	28	168.7	2	166.7
9	169.4	19	169.5	29	168.6	3	166.6
10	169.5	20	169.4	30	168.6	4	166.6
11	169.5	21	169.3	Apr. 1	166.7	5	166.7
12	169.5	22	169.2	27 a	166.43	6	166.9
13	169.4	23	169.2	28	166.5	7	166.8
14	169.3	24	169.1	29	166.7	8	166.8
15	169.3	25	169.0	30	166.6	9	166.8

a Tape measurement at odd hour.

Wb-91--Continued.

Water level, in feet below land-surface datum, 1946
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 10	166.7	May 15	162.2	May 20	159.7	May 26	150.2
11	166.7	16	162.4	21	156.3	June 8 a	132.40
12	163.9	17	161.4	24	152.3	July 25 a	170.70
13	162.5	18	160.6	25	151.8	Aug. 15 a	170.50
14	162.3	19	160.2				

a Tape measurement at odd hour.

West Baton Rouge Parish

WBR-4 (*989, p. 45; 1019, p. 71; 1026, p. 63). Town of Port Allen. Sec. 66, T. 7 S., R. 12 E., at Port Allen, about 40 feet north of municipal swimming pool. No measurements made in 1946.

WBR-5 (*989, p. 45; 1019, p. 71; 1026, p. 64). Town of Port Allen. Sec. 66, T. 7 S., R. 12 E., at Port Allen, about 20 feet south of reservoir behind pumping plant. Water levels, in feet above land-surface datum, 1946: Mar. 22, 26.1; July 10, 24.0; July 30, 22.0.

WBR-10 (*989, p. 46; 1019, p. 71; 1026, p. 64). Poplar Grove Plantation. Sec. 59, T. 7 S., R. 12 E. Measurements discontinued.

WBR-23. Cinclair Sugar Refinery. Sec. 10, T. 8 S., R. 12 E., about 50 feet northeast of well 2 (WBR-6-A). Drilled industrial well, diameter 8 inches, depth 2,098 feet. Measuring point, top of plate on 8-inch cross, 2.2 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: July 30, 51.50.

OKLAHOMA

By S. L. Schoff and L. V. Davis

PROGRAM OF WORK

The observation-well program in Oklahoma, which was begun in 1934, was continued through 1946 in cooperation with the Oklahoma Geological Survey and the Oklahoma Agricultural and Mechanical College.

In the Stillwater Creek Basin, Payne County, where the first systematic observations of water levels in Oklahoma were begun in cooperation with the Soil Conservation Service, the observation-well 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 the water-level measurements in 1946.

Measurements in an irrigation well at the Southwestern Cotton Substation near Tipton, Tillman County, started in 1944, were continued in 1946 through the courtesy of I. M. Parrott, Superintendent. 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. It includes observations in the Panhandle, begun in 1937; Cleveland County, begun in 1939; the North Canadian River Valley (Canadian, Blaine, Major, Woodward, and Harper Counties) begun in 1940; Oklahoma and McClain Counties, begun in 1943; Caddo County, begun in 1945; and Grady, Ellis, and Custer Counties, begun in 1946. The locations of the observation wells are shown in figure 8.

Brief descriptions of the topography, geology, and ground-water conditions of the parts of Oklahoma covered by the observation-well program have been published in previous water-supply papers of this series as follows: Stillwater Creek Basin, 777; the Panhandle, 840 and 845; Cleveland County, 886 and 939; North Canadian River Valley, 909; Canadian County, 947; Oklahoma County, 989 and 1019; Tillman County, 1019. Grady, Ellis, and Custer Counties are described in this report.

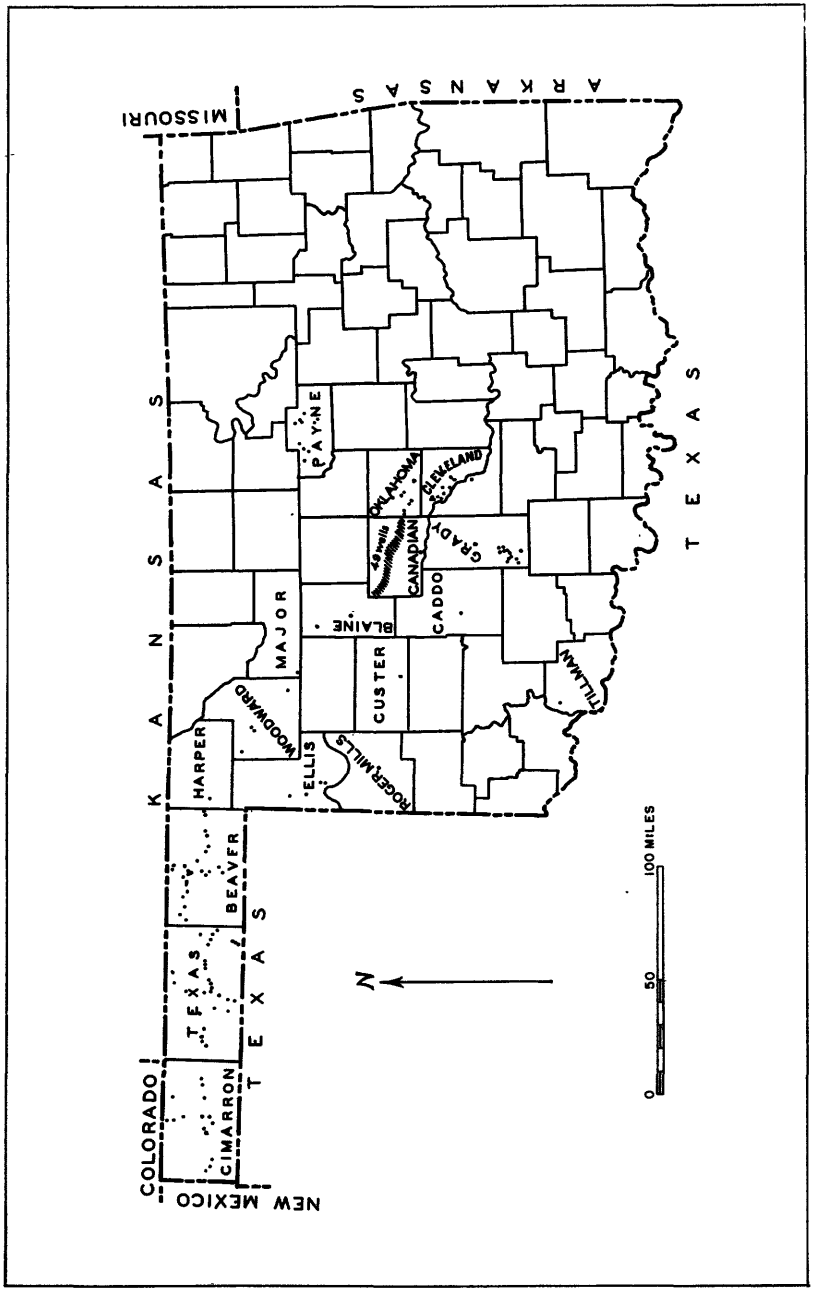


Figure 8.--Map showing location of observation wells in Oklahoma, 1946.

During 1946 more than 1,400 water-level measurements were made in 185 wells, and in 2 of these wells automatic water-stage recorders were operated throughout the year. Observations were discontinued in 6 wells after one or more measurements had been made in 1946, and 19 other wells were discontinued without having been measured. Measurements were resumed in 1 well in Texas County after a lapse of 4 years, 1 shallow well in Canadian County was replaced after 2 years, and 31 wells were added to the program. Of the new wells, 11 are shallow driven wells put down in alluvium by the Geological Survey,

The observation wells in Cleveland County were measured weekly, as was the Tillman County well, except during periods of heavy pumpage for irrigation. Monthly measurements were made in Payne, Caddo, Oklahoma, and McClain Counties through the year, and in Grady County beginning in April. Wells in the North Canadian River Valley were measured seven to eight times. Most of the wells in Canadian County were measured from one to three times, but a few wells considered in relation to others in the North Canadian River Valley or in Oklahoma County were measured more often, the maximum number of measurements in any one well being 18. In the Panhandle the wells were measured once or twice except Beaver County 528, which was measured weekly by Carl S. Kerr, of the Southwestern Public Service Company. From two to four measurements were made in the wells in Ellis and Custer Counties.

The investigation of the water resources of the Rush Springs sandstone member of the Whitehorse formation in Grady County, begun in 1945, was continued, and the investigation in Beaver County, which had been interrupted by the war, was resumed. Work in other counties, which had progressed far enough during the war so that practical answers to pressing problems could be furnished to interested parties, was dormant during most of the year while attention was given to new water supplies for Pauls Valley, Chickasha, Durant, and other towns. In a short investigation of the quality of water from the Boone formation, 11 water samples were collected in Adair, Cherokee, and Delaware Counties.

Pumpage

Ground-water pumpage in Oklahoma is estimated to have been about 17.6 billion gallons in 1946, divided as follows:

	Billion gallons
Municipal use	9.6
Industrial use	4.4
Rural use	3.6
Total	17.6

Records of pumpage are best for the Oklahoma Panhandle, from which reports of municipal pumpage in the larger towns are furnished regularly through the countesy of the Southwestern Public Service Company. Total ground-water pumpage in the Panhandle in 1946 was about 767,385,000 gallons, or 2,355 acre-feet. This includes water pumped for irrigation and industrial purposes. Texas County leads with 559,234,000 gallons pumped. In Beaver County 130,374,000 gallons were pumped, and in Cimarron County 77,777,000 gallons.

Precipitation

Precipitation in Oklahoma in 1946, as reported in the monthly climatic summaries of the Weather Bureau, was 35.57 inches, which is 2.62 inches above average. Precipitation was above average in 7 months and below average in 5 months, the greatest deficiency occurring in July, when it was 1.93 inches below average. The greatest excess of precipitation occurred in November, and was 2.37 inches above average.

The precipitation at six stations in the Oklahoma Panhandle averaged 22.24 inches, which is about 4.6 inches above normal for the area. The precipitation was above average at all of the five stations for which the Weather Bureau has established an average, the maximum departure occurring at Hooker, which received 8.72 inches more than the average.

At Stillwater the precipitation for 1946 was 28.30 inches, which is 5.05 inches below average; in Norman, 35.54 inches, which is 2.32 inches above average; at Anadarko, 28.86 inches, which is 1.46 inches above average; and at Oklahoma City, 32.16 inches, which is 1.01 inches above average. A Weather Bureau average for Tipton has not been established but the total precipitation of 25.01 inches in 1946 is more than 2 inches below the average for nearby Frederick.

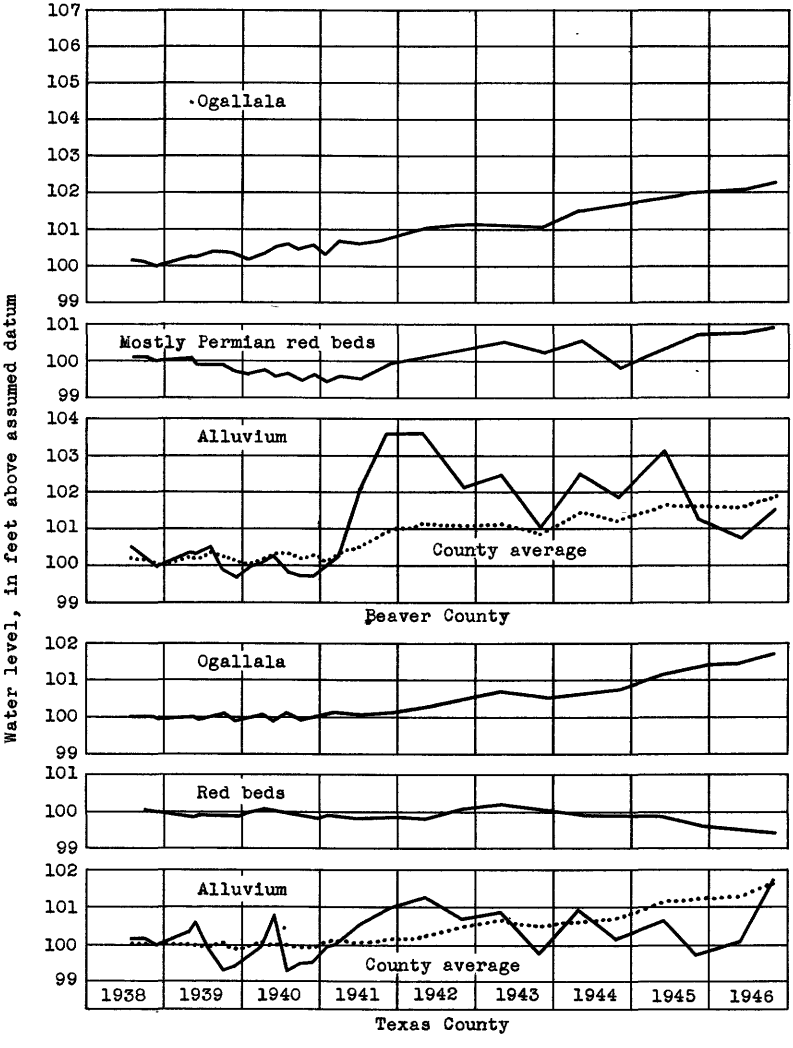


Figure 9.--Hydrographs of average water levels in wells tapping water in different aquifers in Beaver and Texas Counties, Oklahoma, and weighted average for each county.

For 10 stations along the North Canadian River Valley, from Oklahoma City to Supply, the precipitation in 1946 averaged 25.79 inches, which is 1.04 inches below normal, but at some stations there was an excess of precipitation while at others there was a deficiency. At Supply, precipitation was 5.31 inches above average, whereas at Oakwood it was 6.82 inches below average.

Precipitation in Canadian County is represented by the stations at El Reno and Fort Reno, which had 27.89 and 25.97 inches, respectively, or 0.80 inch and 4.05 inches below average.

At Arnett, which is the only weather station in Ellis County, precipitation in 1946 totaled 21.12 inches, or 2.53 inches below average.

Precipitation at Chickasha, as reported by the Weather Bureau, was 36.23 inches in 1946, or 5.42 inches above average. Precipitation from January through April was 1.08 inches above average; from May through August, 5.20 inches above average; and from October through December, 0.86 inch below average.

FLUCTUATIONS OF WATER LEVEL

Panhandle

In the Panhandle Counties--Beaver, Texas, and Cimarron--the water levels in the Ogallala formation, which is the most important aquifer in the area, continued the general rise that started in 1941, and reached new high stages for the period of record. Compared with the levels of October 1945 (the previous high on record), the average water level for October 1946 was 0.28 foot higher in Beaver County and 0.35 foot higher in Texas County, but was 0.15 foot lower in Cimarron County (fig. 10). Notwithstanding the small decline in 1946, the greatest rise over the period of record has occurred in Cimarron County, where the droughts of the thirties were the most severe.

The average water level of the wells tapping the redbeds of Beaver County was 0.21 foot higher in October 1946 than in October 1945, when the previous high was recorded. In Texas County, however, the water level in one redbed well was 0.20 foot lower in October 1946 than in October 1945, and 0.38 foot lower than the previous lowest recorded level, which occurred in both June 1941 and April 1942.

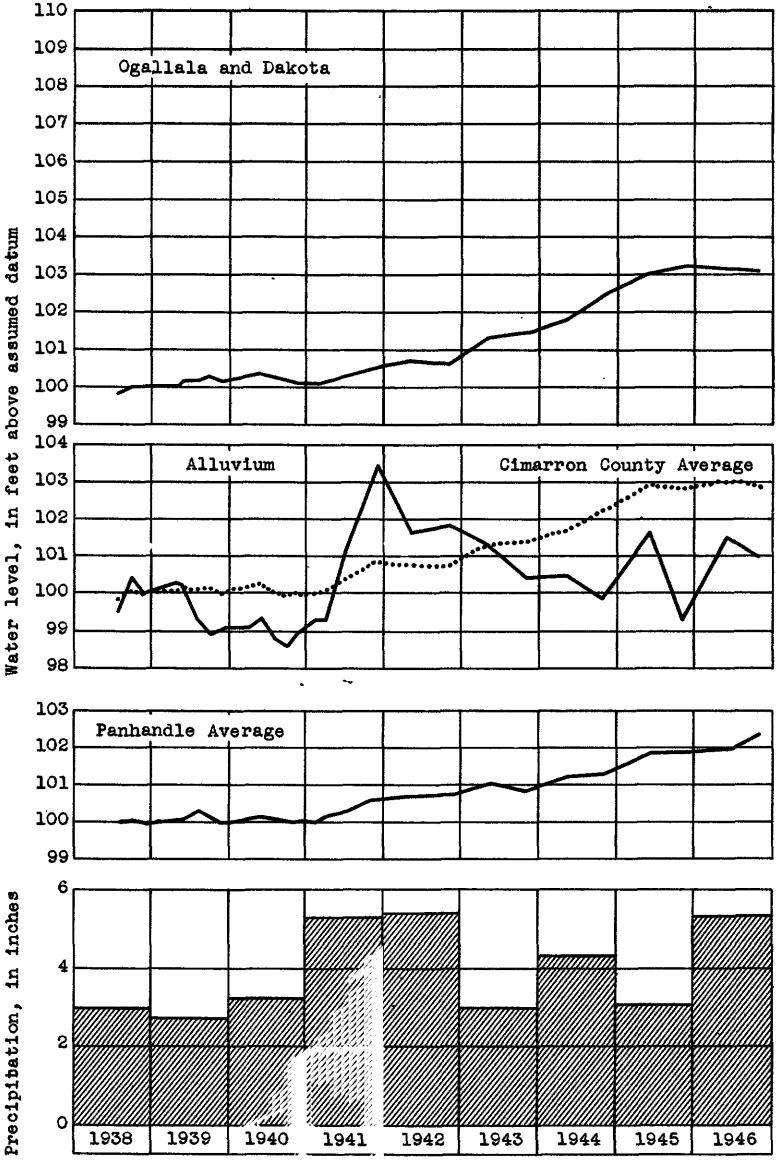


Figure 10.--Hydrographs of average water levels in wells tapping water in different aquifers in Cimarron County, Okla., with weighted average of water levels for the county and for the Oklahoma Panhandle, with precipitation at Goodwell, Okla.

The water levels in shallow wells in alluvium behaved differently in each county. In Beaver County, the water levels for May 1946 averaged 0.53 foot lower than in October 1945, but by the following October they had risen 1.79 feet, making a net rise of 0.26 foot for the year. In Texas County, both of the 1946 measurements showed a rise of water level, and the average rise for the year was 2.03 feet. In Cimarron County, the level for May 1946 was above that for October 1945, but by the following October had declined somewhat, so that the net rise for the year was 1.73 feet.

Because the rise in water level was relatively large in the Ogallala formation and this formation is the principal aquifer, the weighted average for the Panhandle as a whole has risen gradually since 1941 and in October 1946 was at the highest level yet recorded.

The following tables summarize the average water levels for the several groups of wells in the Oklahoma Panhandle. They continue the record of averages in similar tables published in previous water-supply papers of this series. An asterisk indicates that the water level is the highest observed during the period of record.

Average of water levels in groups of wells in the Oklahoma Panhandle, in feet above assumed datum planes, 1945-46

Date	Beaver County			Texas County			Cimarron County	
	1	2	3	4	5	6	7	8
Oct. 1945	102.02	100.70	101.31	101.32	99.62	99.76	*103.24	99.22
May 1946	102.06	100.75	100.78	100.78	99.51	100.13	103.17	101.49
Oct. 1946	*102.30	*100.91	101.57	*101.67	99.42	*101.79	103.09	100.95
Net change	+0.28	+0.21	+0.26	+0.35	-0.20	+2.03	-0.15	+1.73

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 red beds.
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 red beds.
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 the alluvium.

Weighted average of water levels in wells in the Oklahoma Panhandle, by counties, in feet above assumed datum planes, 1945-46

Date	Beaver[a]	Texas[b]	Cimarron[c]	Average[d]
Oct. 1945	101.62	101.21	102.83	101.88
May 1946	101.60	101.32	*103.00	101.97
Oct. 1946	*101.88	*101.63	102.88	*102.41
Net change	+0.26	+0.42	+0.05	+0.53

a. Weighted average, in which wells in the northwestern part of county represent 65 percent of the total area; wells in the southeastern part, 25 percent; and wells in the alluvium, 10 percent.

b. Weighted average, in which upland wells in Ogallala formation represent 93 percent; wells in the alluvium, 5 percent; and wells in red beds (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 the alluvium, 10 percent.

d. Arithmetical average of the three weighted county averages.

Cleveland County

At the end of 1946, 11 wells were being measured in Cleveland County, well 14 having been added in October. It is a shallow driven well in the alluvium of Canadian River on "Ten-Mile Flat" about 5 miles northwest of Norman.

Cleveland County well 1 is on a high terrace above Canadian River. It penetrates a thin terrace deposit of low permeability that contains water only part of the time, and it enters the Hennessey shale, which is the only contributing aquifer during periods of low water table. As there is no nearby pumpage from these aquifers, the water level fluctuates in response to natural causes, and it promptly reflects precipitation once the soil moisture has been replenished after drought (fig. 11). In 1946 the water level rose in this well until, on March 20, the highest level for the year was reached, 2.88 feet below land-surface datum. Thereafter it declined rather steadily and on October 18 the lowest level was recorded, 10.09 feet below land-surface datum. Through the rest of the year the water level rose about 1.5 feet but at the end of December it was 2.06 feet lower than in late December 1945 and 1.08 feet below the December average. The water level in well 14 responded similarly during the period that it was measured, declining through October, rising 2.68 feet (December 13) and then declining so that on December 27 it was 0.8 foot higher than when first measured.

The other wells in Cleveland County are deep, tapping the "Norman water sand," and all are affected by pumpage in one way or another. Reduction in water consumption at the former naval bases, now used by the University of Oklahoma, and the northward extension of the Norman well field, have relieved the heavy draft in the town area, permitting large recoveries of water level in some wells. In well 4, in the city park, the water level rose 53 feet during the year, and in well 10, on the main campus of the university, the water level rose 41 feet. In both wells the total recovery from the lowest recorded levels is over 100 feet.

The water level in well 5, which is about 5.5 miles east of Norman, was about 7.5 feet higher at the end of the year than at the beginning. An automatic water-stage recorder has been operated in this well since late in 1942, and the record shows that each year the water level rises to a peak in June or July and then declines to a minimum level in September (fig. 11). In 1943, the early summer peak was nearly obscured by the pronounced decline caused by increasing pumpage in the Norman area, and in 1944 it was only slightly above the low levels of the previous autumn and winter. This peak reached about the same height in 1945, but in 1946 was about 6 feet higher, although it was 0.5 foot below the level reached later, at the end of the year.

Well 6 is about 6 miles southeast of Norman. Weekly measurements in it have indicated that the water-level fluctuations very closely parallel those in well 5. At the end of the year, the water level was about 6 feet higher than at the beginning.

Water levels in wells 12 and 13 continued to decline slowly due to gradual expansion of the cone of depression created by pumpage in the West Moore oil field and in the recently developed northern part of the Norman well field. In mid-October the water level in well 12 reached the lowest level yet recorded (fig. 11), and then rose slightly. At the end of the year, it was about 5 feet lower than at the beginning, and nearly 14 feet below the first recorded water level (March 27, 1945). In well 13 the water level rose more rapidly in the last quarter, and at the end of the year it was about 1 foot higher than at the beginning, but 2.45 feet lower than when first measured on September 24, 1945.

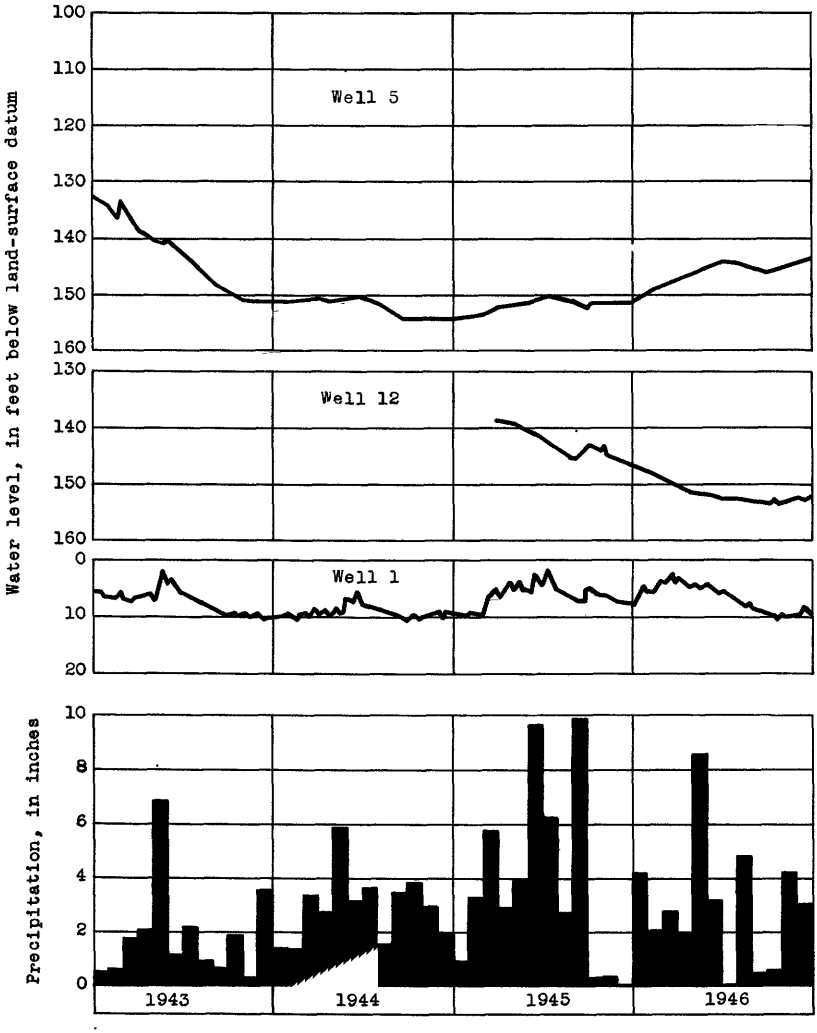


Figure 11.--Hydrographs of water levels in two deep wells tapping water in the Garber-Wellington sandstones and in one shallow well in Cleveland County, and precipitation at Norman, Okla.

Well 8 is only 57 feet from the public-supply well of Noble, and the water level fluctuates widely in response to the pumping. In 1946 the fluctuations were in about the same range as in 1945, indicating no significant change in ground-water storage.

The water level in well 9 rose about 2.6 feet during the year, and in well 11, about 8 feet.

Oklahoma County

Wells 1 to 4 in Oklahoma County tap water in approximately the same sands as the deep wells in Cleveland County, and they generally show the effects of changes in pumpage. Water levels in wells 1, 2, and 3 generally rise in spring and then decline to a minimum stage in autumn. In 1946 they reached their highest levels for the year in March and April (fig. 12) and their lowest levels about the end of August, rising somewhat during the last 4 months. At the end of the year the water level in well 1 was 1 foot higher than at the beginning, but in well 2 it was nearly 5 feet lower and in well 3 it was about 15.5 feet lower. These figures suggest an appreciable decrease in ground-water storage that may be somewhat deceptive. The highest levels for the year are probably just as significant, and in 1946 these were intermediate between the peak levels for 1944 and 1945.

Water levels in alluvium and terrace deposits in Oklahoma County were lower at the end of 1946 than at the end of 1945. In four wells in the alluvium of the North Canadian River Valley, in the western part of Oklahoma City, the water levels declined an average of 0.49 foot during the year, and in three wells in terrace deposits near Bethany they declined an average of 1.31 feet.

In well 6, which taps water in alluvium, the water level rose 0.5 foot between January and April, remained steady until June, and then declined 2.5 feet and to the lowest level for the year in September. During the last quarter it fluctuated between 7 and 8 feet below land-surface datum. In wells 7 and 8, also in alluvium, the fluctuations were similar except for a slow steady rise after September. In well 9 the water level reached its highest stage in February, declined until October, and then rose somewhat.

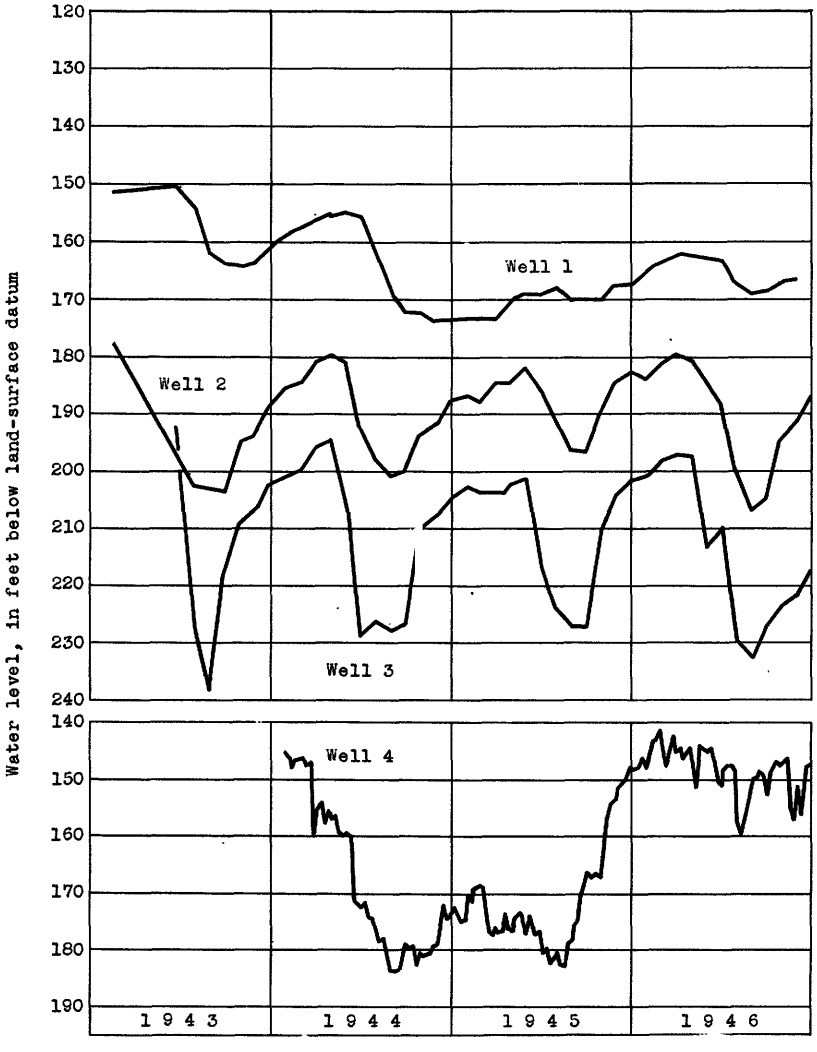


Figure 12.--Hydrographs of water levels in four deep wells tapping the Garber-Wellington sandstones in Oklahoma County, Oklahoma, 1946.

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In well 10, which taps water in terrace deposits, the water level went up and down, each fluctuation being less than 0.25 foot, but with a gradual trend downward to the lowest level for the year recorded in December. In wells 11 and 12, also in terrace deposits, the water levels were rising at the beginning of the year and then declined to minimum stages at the end of the year.

McClain County

Well 1, in McClain County, fluctuated within a narrow range of 0.6 foot during 1946, the highest level for the year being recorded on May 31 and the lowest on August 30. The net change for the year was a rise of about 0.2 foot, but it may not be significant as the recorded fluctuations probably are due mainly to changes in barometric pressure. This well taps water in the same sands as the deep wells in Cleveland and Oklahoma Counties. It is the only observation well in these sands not affected by nearby pumping, hence should show natural changes in ground-water storage, but in the 4 years beginning with 1943 the water level in it has remained nearly constant at about 84 feet below land-surface datum. This lack of persistent trend indicates that effects of recharge on the outcrop are not readily transmitted to the well.

North Canadian River Valley

Most of the observation wells along the North Canadian River Valley, between Yukon and Beaver, are close to the channel and respond to the stages in the river. They showed a net rise of 1.58 feet for the year.

At the beginning of the year water levels in these wells were relatively high or rising slowly. After April they declined until August, and then rose slowly, culminating in the high levels for the year following floods in October. After October, water levels in most of the wells declined somewhat with the exception of Harper County well 1 and Beaver County well 612, which are farther from the channel than most and continued to show rising water levels until the end of the year.

Beaver County well 528, which was measured weekly throughout the year, confirms the general trends but gives details. The water level rose from January until early March, remained steady during the last 3 weeks of March and then declined 2.54 feet between April and early August. It then rose abruptly to a peak on August 29, which was followed by several fluctuations until the high level for the year was reached on November 9. Through November and early December it declined again, but was rising gradually at the end of the year. The net change for the year was a rise of 3.4 feet.

Canadian County

Most of the observation wells in Canadian County tap water in the alluvium of the North Canadian River. Near the channel water levels rise promptly in response to floods while in wells distant from the channel they may still be declining. Likewise, in the more distant wells they may continue to rise due to local precipitation after the floods have passed and water levels near the channel have receded. In 1946 the observation wells showed considerable individuality, although the details of water-level fluctuations are obscured by the infrequency of the measurements. About mid-December the average of the water levels in 40 wells was 0.58 foot below the average for mid-December 1945.

Stillwater Creek Basin

Payne County

Ten observation wells in the Stillwater Creek Basin were measured throughout the year, and the records of 8 of these are used in computing the average water level. As figure 13 illustrates, the average groundwater level follows fairly closely the curve for cumulative departure from average precipitation at Stillwater. The precipitation was rather heavy during the first half of the year, but fell off during the last half. Correspondingly, the average water level rose from January to March when the year's highest level was attained, then declined to the year's lowest level in October, and rose slightly in November and December. At the end of the year it was 1.17 feet lower than at the beginning, but nevertheless was 5 feet above the lowest level on record (September 1940). The average went neither as high nor as low as during 1945.

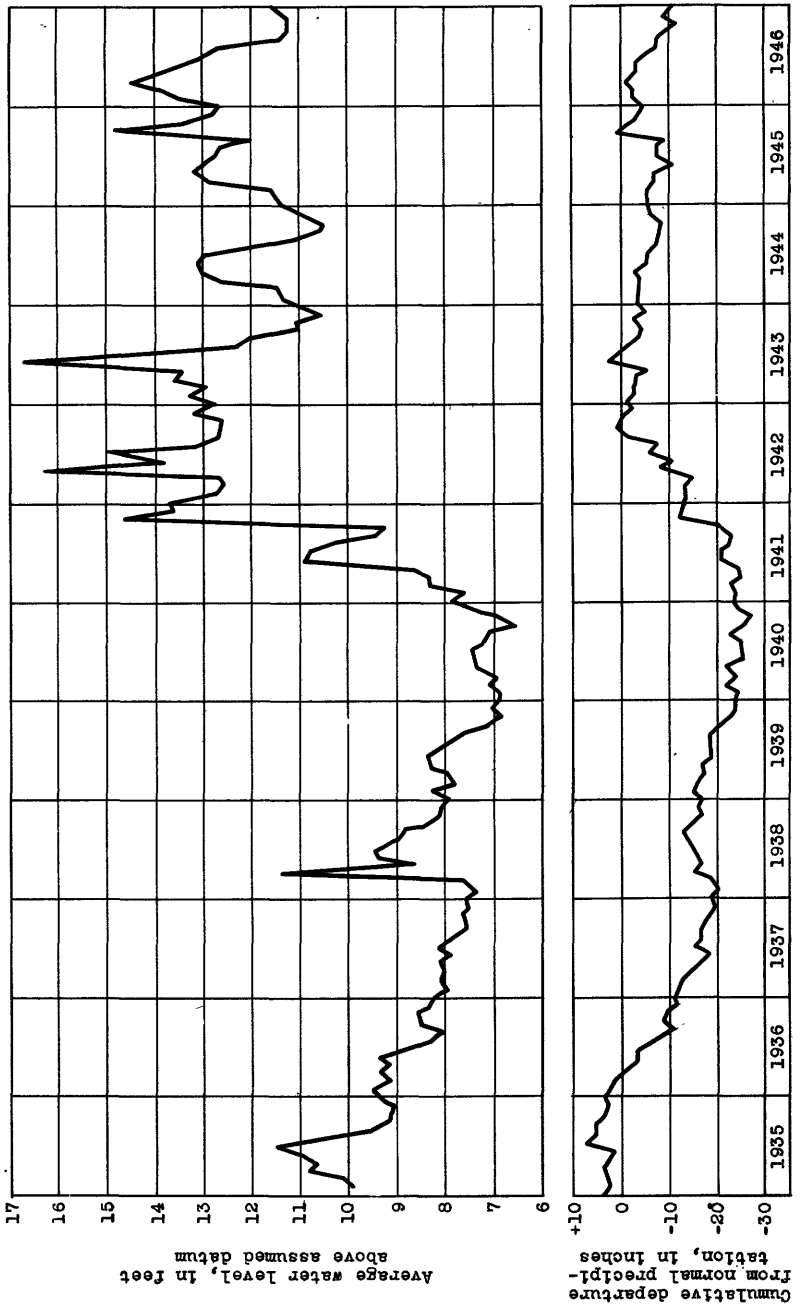

Figure 13.--Fluctuations in average water level in wells in the Stillwater Creek Basin and cumulative departure from normal precipitation at Stillwater, Okla., 1935-46.

Tillman County

Precipitation in Tillman County through the first 3 months of 1946 was nearly normal, and ground water was maintained at relatively high levels. In the latter part of March the well at the Southwestern Cotton Substation was pumped 97.25 hours at an estimated rate of 180 gallons per minute, to produce about 1,050,000 gallons of water for irrigation. This withdrawal caused an immediate decline in the water level during pumping, but afterward the water level recovered, and at the end of the month the static level was less than 0.5 foot lower than when pumping began. During the first week in April the well was again pumped to yield about 583,000 gallons, the water level declining during pumping but rising afterward to within 0.25 foot of the starting level.

Lack of rain prior to April 22 caused a slight natural decline of water level in the latter part of the month, continuing until rains late in May resulted in a rise to a low peak recorded on June 3. Low precipitation in June brought a decline of more than 0.5 foot for the month, which was accelerated by dry weather in July until, on July 22, the water level was almost 3 feet lower than at the beginning of 1946. The well was pumped July 24-August 1 and August 14-18, sometimes as much as 24 hours per day, a total of 3,272,000 gallons of water being withdrawn. Rains near the end of August initiated an upward trend that was sustained by nearly normal precipitation through the last 4 months of the year. With diminishing evaporation and transpiration during these months, recharge was appreciable, but at the end of 1946 the water level was about 1.75 feet lower than at the beginning.

Although the trend of the water level both before and after the periods of pumping was downward, the decline does not appear to have been accelerated by the withdrawals which totaled about 4,905,000 gallons of water. Instead, the decline after pumping is a continuation of the trend that set in before pumping was begun, indicating that it was due mainly to the natural losses by evaporation, transpiration, and discharge from springs and into streams.

Ellis County

Ellis County, in northwestern Oklahoma, is bounded on the west by the State of Texas and on the south by the Canadian River. Other boundaries separating it from Beaver, Harper, Woodward, and Dewey Counties follow township lines.

Ellis County is mostly in the Plains Border section of the Great Plains, but partly also in the Osage Plains section of the Central Lowland. Wolf Creek flows diagonally northeastward across the northern part, and as it and the Canadian River have few tributaries, the county contains large areas of nearly undissected, gently undulating upland plains. Thus in topography Ellis County more closely resembles the panhandles of Oklahoma and Texas than it resembles counties farther east in Oklahoma. This resemblance extends also to the geology and ground-water hydrology. Most of Ellis County is underlain by late Tertiary and Quaternary sand, gravel, and clay, equal in part, to the Ogallala of Pliocene age, and, in part, possibly of Pleistocene age. These sediments contain considerable water of good quality, mostly under water-table conditions. In a wide band along Canadian River and along part of Wolf Creek, sand dunes overlie the late Tertiary sediments. Although the dunes appear to contain little ground water, they are permeable and a relatively large proportion of the precipitation that falls on them percolates downward and may ultimately reach the water table in the underlying rocks.

Permian red beds crop out along the Canadian River and also in the extreme northern part of the county. They consist mainly of shales and very fine-grained sandstone and will yield only meager volumes of water inferior in quality to the water from overlying formations.

Water-level measurements were begun in two wells in the southern part of the county in May, and in two wells in the central part in July. Subsequent measurements were made in October and December. The record is too short to permit interpretation. In wells 1 and 2 the water levels declined slightly, whereas in well 3 the water level rose about 0.16 foot between July and October, and in well 4 it first declined and then rose.

Custer County

Custer County, in west-central Oklahoma, is nearly rectangular. Clinton is the largest town but Arapaho is the county seat. The Washita River enters the county near the middle of the western boundary, and leaves a little east of the middle of the southern boundary. The Canadian River cuts diagonally southeastward across the northeasternmost township. Dissection by these rivers and their tributaries has resulted in a rolling topography.

Sandstones of the Whitehorse formation crop out in a band about one township wide along the east side of the county and should yield moderate amounts of water in the outcrop area and to the westward under cover of younger formations. At considerable depth under the western part of the county, however, the water in these sandstones may be of poor quality.

The Cloud Chief formation overlies the Whitehorse, contains much gypsum, and therefore yields poor water that is high in sulfates. Moderate supplies of water are to be found in the Quartermaster formation in the extreme southwestern part of the county. Little or no water is available in Cretaceous outliers of the western half of the county.

The alluvium along the Washita River contains abundant water, especially in gravel lenses, but, in general, this water is very hard and contains much calcium and magnesium sulfate and dissolved solids. Terrace deposits may contain water of better quality, although it is likely to be hard.

A 1¼-inch driven well with a sand point was constructed in the alluvium of the Washita River east of Clinton in October. The water level is about 11 feet below land-surface datum, the maximum recorded fluctuation during the last quarter of 1946 being only 0.07 foot.

Grady County

Grady County is in central Oklahoma and extends south from the Canadian River between Rs. 4 and 9 W. to the south line of T. 2 N. Its width is 24 miles, its average length from north to south about 46 miles, and its area about 1,105 square miles. Chickasha, in the west-central part, is the county seat and largest town.

Grady County lies within the Washita River drainage basin, with the exception of the extreme southwestern township, which drains southward into Red River, and a strip about 5 miles wide along the north side of the county, which drains into the Canadian River.

The Washita River is a perennial stream with heavy timber on the bottom lands, steep mud banks, and very little sand in the channel. It enters the county from the west, and in upstream areas crosses Permian red beds, which give the water a comparatively high mineral content. Two tributaries of the Washita--Little Washita River and Rush Creek--are the only other perennial streams in the county.

The Rush Springs sandstone member of the Whitehorse formation, of Permian age, is the principal source of ground water, and underlies about eight townships in the western and southwestern part of the county. It is a fine-grained, friable, reddish-brown, cross-bedded to regular-bedded sandstone with a maximum thickness of about 250 feet. It contains water under water-table conditions, and probably, also under artesian conditions in some places.

Another potential source of ground water is the lower part of the Chickasha-Duncan formation (El Reno), of Permian age, consisting of deltaic sandstones. These beds contain water under artesian pressure, but are so fine-grained that wells in them yield only small quantities of water.

The alluvium of the Washita and Canadian Rivers is generally less than 0.5 mile wide and in many places narrows to only a few hundred feet. There are many ox-bow lakes on the flood plains, but these are usually dry except during wet seasons. Ground water in the alluvium is relatively abundant, but it is rather highly mineralized. Therefore, only a few stock wells have been drilled in these deposits.

The first terrace above the flood plain attains a maximum width of 5 miles in some places, and the deposit underlying it contains considerable water, which, however, is hard and is affected by influent water from the river. Many water wells draw water from this terrace.

The next higher terrace is less extensive, but where it is thick enough and underlies a large area it contains water of good quality. The Chickasha airport and many farms are supplied with water from these deposits.

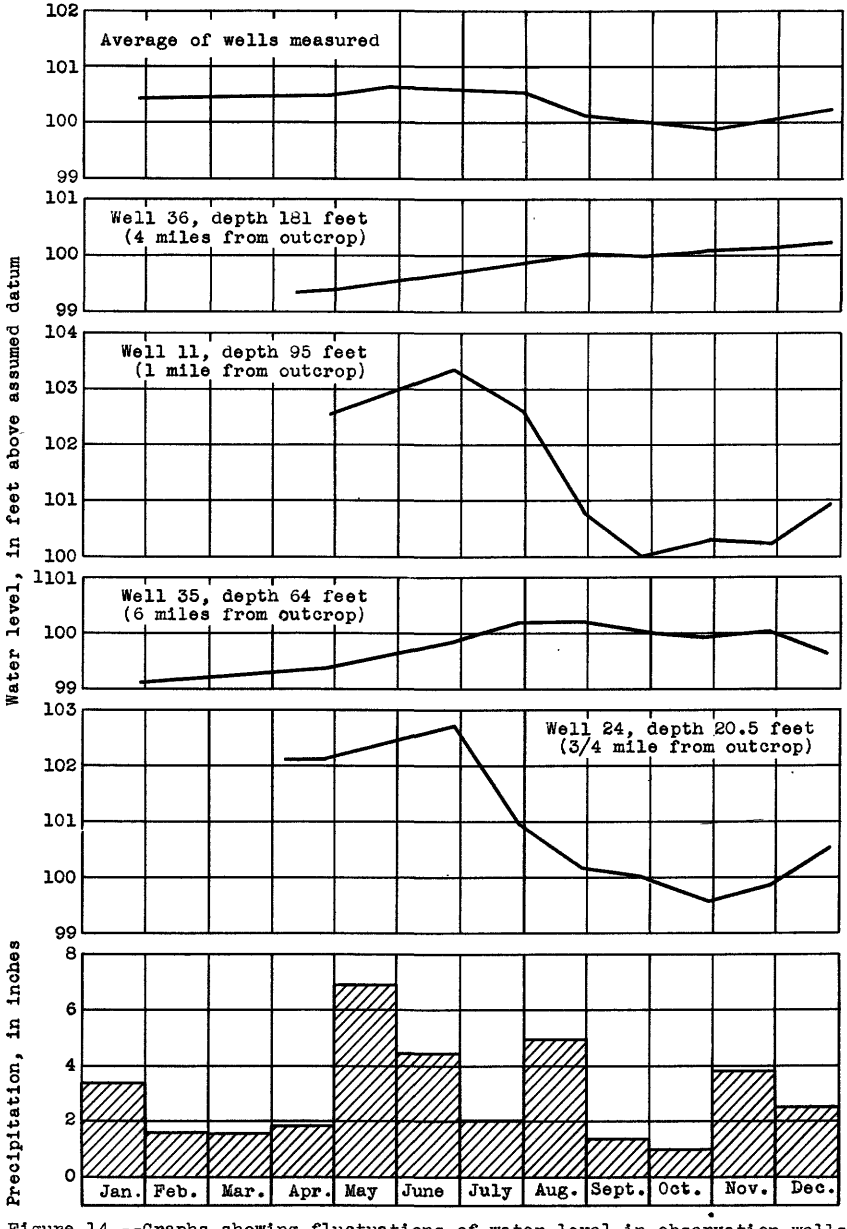

Figure 14.--Graphs showing fluctuations of water level in observation wells in Rush Springs sandstone, Grady County, Oklahoma, 1946.

Gravels on the drainage divides represent a higher and older terrace, but they are too thin, and too much dissected by erosion to constitute an aquifer. The alluvium along the small streams, in places 35 feet thick, contains a moderate volume of water of fair quality.

At the beginning of 1946, monthly measurements were being made in six observation wells in the Rush Springs sandstone, six wells were added in April, and one in May. From January through April the water levels in 5 wells declined an average of 0.26 foot, and from April through June the average of the water levels in 11 wells rose 0.48 foot. From July through October the water levels in wells far from the outcrop rose, but this rise was offset by a sharp decline in water levels in wells close to the outcrop, and the net change was a drop of 0.83 foot (fig. 14). In November, water levels in all wells began to rise and at the end of December the average of the water levels in the original six wells stood 0.13 foot below the average for the same wells at the beginning of the year.

Although the records are too short to allow drawing conclusions about divergent trends in different wells, the net decline for 1946 probably is the result of below-normal rain in the latter part of the year.

A $1\frac{1}{4}$-inch driven well with a sand point was installed in the alluvium of Washita River east of Chickasha in December. The initial measurement showed a depth to water of 7.40 feet.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Beaver County

62 (*845, p. 391; 886, p. 601; 909, p. 58; 939, p. 46; 947, p. 48; 989, p. 60; 1019, p. 85; 1026, p. 76). Ray D. Hall. $SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$ sec. 14, T. 1 N., R. 23 E. Measurements discontinued.

253. Geological Survey, U. S. Dept. of Interior. $SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$ sec. 13, T. 2 N., R. 23 E. Driven well, diameter $1\frac{1}{4}$ inches, depth 13.5 feet, with $1\frac{1}{4}$-inch by 30-inch well point. Well is on terrace on north side of Clear Creek. Measuring point, top of $1\frac{1}{4}$-inch casing, 1.4 feet above land-surface datum. Bench mark, nail driven horizontally into westernmost piling of northwest wingwall of highway bridge over Clear Creek, 3.70 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 29, 8.78.

275. Owner unknown. $SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$ sec. 7, T. 2 N., R. 24 E. Unused drilled stock well, equipped with windmill, diameter 6 inches, depth 94 feet. On gently sloping upper part of bluff north of Clear Creek. Measuring point, highest part of north edge of casing, 0.5 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 15, 76.75; Oct. 22, 76.74.

401 (*845, p. 391; 886, p. 600; 909, p. 59; 939, p. 47; 947, p. 48; 989, p. 60; 1019, p. 85; 1026, p. 77). T. T. Yarnold. NE¼NE¼SE¼ sec. 7, T. 3 N., R. 24 E. Water levels, in feet below land-surface datum, 1946: May 15, 92.03; Oct. 22, 92.50.

417 (*845, p. 389; 886, p. 597; 909, p. 59; 939, p. 47; 947, p. 48; 989, p. 60; 1019, p. 85; 1026, p. 77). Ralph Ridgeway. SW¼NE¼NE¼ sec. 11, T. 3 N., R. 25 E. Water levels, in feet below land-surface datum, 1946: May 14, 12.28; Oct. 22, 11.89.

418 (*845, p. 389; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; 989, p. 60; 1019, p. 85; 1026, p. 77). Nile J. Mosburg. SE¼SW¼SW¼ sec. 12, T. 3 N., R. 25 E. Well obstructed at 59 feet after May 14; measurements discontinued. Water level, in feet below land-surface datum, 1946: May 14, 61.70.

432 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; 989, p. 60; 1019, p. 85; 1026, p. 77). George H. Button. NW¼NE¼NE¼ sec. 10, T. 3 N., R. 26 E. Water levels, in feet below land-surface datum, 1946: May 14, 26.58; Oct. 22, 26.42.

433 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; 989, p. 60; 1019, p. 85; 1026, p. 77). Federal Land Bank. NE¼NW¼NW¼ sec. 12, T. 3 N., R. 26 E. Water levels, in feet below land-surface datum, 1946: May 14, 39.07; Oct. 22, 39.21.

434 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48: 989, p. 60; 1019, p. 86; 1026, p. 77). J. W. Hibbs and others. SW¼NW¼NW¼ sec. 15, T. 3 N., R. 26 E. Measurements discontinued.

518 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; 989, p. 60; 1019, p. 86; 1026, p. 77). Pete Sanders Estate. NE¼SE¼SE¼ sec. 36, T. 4 N., R. 23 E. New measuring point, top edge of ¼-inch hole in 1-foot iron plate, east side of drop pipe, 0.66 foot above bench mark, and 2.29 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: May 15, 37.45.

523 (*845, p. 389; 886, p. 597; 909, p. 60; 939, p. 47; 947, p. 49; 989, p. 60; 1019, p. 86; 1026, p. 77). Frances M. Hancock. SW¼SW¼SW¼ sec. 24, T. 4 N., R. 24 E. Water level, in feet below land-surface datum, 1946: Oct. 22, 22.65.

526 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 77). Elmer E. Thompson. SW¼SE¼SW¼ sec. 30, T. 4 N., R. 24 E. Measurements discontinued.

527 (*845, p. 391; 886, p. 600; 939, p. 47; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 77). Mrs. Ellen F. Williams. SW¼NW¼NW¼ sec. 30, T. 4 N., R. 24 E. Measuring point beginning May 15, 1946, east edge of casing, 0.93 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 15, 47.10; Oct. 22, 45.62.

528 (*886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 77). Southwestern Public Service Co. NE¼SW¼ sec. 7, T. 4 N., R. 24 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	13.82	Apr. 11	13.19	July 12	14.82	Oct. 13	11.53
9	13.78	18	13.23	19	15.03	20	11.69
16	13.69	26	13.40	27	15.19	26	11.82
23	13.61	May 3	13.44	Aug. 2	15.44	Nov. 2	11.36
30	13.57	10	13.53	9	15.61	9	9.40
Feb. 6	13.53	17	13.67	16	15.57	16	9.53
13	13.48	24	13.73	22	15.53	23	10.78
21	13.40	31	13.82	29	13.26	29	10.94
28	13.23	June 7	13.94	Sept. 5	14.19	Dec. 5	10.93
Mar. 6	13.19	14	14.19	12	14.53	12	11.11
13	13.07	21	14.36	19	15.11	19	10.86
20	13.07	28	14.53	28	14.94	26	10.69
29	13.07	July 5	14.69	Oct. 5	14.19	31	10.44
Apr. 4	13.15						

573 (*845, p. 388; 886, p. 595; 909, p. 61; 939, p. 48; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 78). Federal Land Bank. NW¼NW¼NW¼ sec. 34, T. 4 N., R. 28 E. Water level, in feet below land-surface datum, 1946: June 20, 14.51.

576 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 78). J. C. Peters. SE¼SE¼SW¼ sec. 2, T. 5 N., R. 20 E. Water levels, in feet below land-surface datum, 1946: May 16, 158.28; Oct. 28, 158.09.

577 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 78). George Loepp. NE¼NE¼SE¼ sec. 19, T. 5 N., R. 20 E. Water levels, in feet below land-surface datum, 1946: May 16, 138.74; Oct. 29, 138.34.

591 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; 989, p. 61; 1019, p. 86; 1026, p. 78). A. J. Isaac. SE¼SE¼SE¼ sec. 12, T. 5 N., R. 21 E. Water levels, in feet below land-surface datum, 1946: May 15, 190.99; Oct. 28, 191.01.

593 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; 989, p. 61; 1019, p. 87; 1026, p. 78). Ada Allred. SE¼SE¼SE¼ sec. 17, T. 5 N., R. 21 E. Water levels, in feet below land-surface datum, 1946: May 15, 171.40; Oct. 28, 171.29.

612 (*939, p. 48: *947, p. 50; 989, p. 61; 1019, p. 87; 1026, p. 78) Clarence Lamaster. SW¼SE¼ sec. 26, T. 4 N., R. 28 E.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	10.58	May 14	12.66	Aug. 27	13.97	Dec. 26	10.42
Apr. 19	12.53	June 20	13.26	Oct. 22	12.94		

613 (*845, p. 389; 886, p. 597; 909, p. 61; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 78). T. J. Trew. SE¼SE¼SE¼ sec. 13, T. 5 N., R. 22 E. Water levels, in feet below land-surface datum, 1946: May 15, 65.58; Oct. 29, 64.57.

614 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 78). B. W. Lewis. SW¼SE¼SE¼ sec. 14, T. 5 N., R. 22 E. No measurements made in 1946.

617 (*845, p. 390; 886, p. 598; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 78). Minnie B. Dorman and others. SW¼NE¼NE¼ sec. 20, T. 5 N., R. 22 E. Water levels, in feet below land-surface datum, 1946: May 15, 167.46; Oct. 28, 167.52.

631 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 78). George W. Dubois. SE¼SE¼SW¼ sec. 4, T. 5 N., R. 23 E. Original measuring point destroyed. New measuring point, south edge of opening in battered casing, 1.45 feet above land-surface datum, and 0.80 foot above bench mark. Water levels, in feet below land-surface datum, 1946: May 15, 107.85; Oct. 30, 107.57.

635 (*845, p. 391; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 78). A. E. Shillingburg. NW¼NE¼NW¼ sec. 25, T. 5 N., R. 23 E. Water levels, in feet below land-surface datum, 1946: May 15, 59.01; Oct. 29, 58.87.

647 (*845, p. 390; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 61; 1019, p. 87; 1026, p. 79). Gilbert Hodges. SW¼SW¼SW¼ sec. 8, T. 5 N., R. 24 E. Water levels, in feet below land-surface datum, 1946: May 15, 49.76; Oct. 29, 49.70.

648 (*845, p. 390; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 79). John Angleton. SW¼SW¼SW¼ sec. 19, T. 5 N., R. 24 E. Well filled to 5-foot level; measurements discontinued.

649 (*845, p. 391; 886, p. 579; 909, p. 62; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 79). Arthur Williams. NW¼SW¼SW¼ sec. 30, T. 5 N., R. 24 E. Water levels, in feet below land-surface datum, 1946: May 15, 6.54; Oct. 29, 5.81.

767 (*845, p. 390; 886, p. 599; 909, p. 63; 939, p. 49; 947, p. 50; 989, p. 62; 1019, p. 87; 1026, p. 79). Robert F. LeCrone. SE¼NE¼NE¼ sec. 24, T. 6 N., R. 23 E. Water levels, in feet below land-surface datum, 1946: May 15, 66.09; Oct. 29, 66.90.

777 (*845, p. 390; 886, p. 599; 909, p. 63; 939, p. 49; 947, p. 51; 989, p. 62; 1019, p. 87; 1026, p. 79). J. H. Neese. NW¼SW¼SE¼ sec. 20, T. 6 N., R. 24 E. Water levels, in feet below land-surface datum, 1946: May 15, 19.97; Oct. 29, 20.52.

Blaine County

1 (*909, p. 63; 939, p. 50; 947, p. 51; 989, p. 63; 1019, p. 87; 1026, p. 79). Oklahoma City Water Department. NE¼ sec. 27, T. 16 N., R. 12 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	5.24	May 14	5.46	July 27	6.85	Oct. 31	3.81
Apr. 19	5.12	June 20	6.08	Aug. 28	7.56	Dec. 26	4.47

2 (*909, p. 63; 939, p. 50; 947, p. 51; 989, p. 63; 1019, p. 87; 1026, p. 79). Oklahoma City Water Department. Near NE. corner sec. 9, T. 18 N., R. 13 W.

Water level, in feet below land-surface datum, 1946

Feb. 8	5.77	May 14	6.14	July 27	7.57	Oct. 31	4.82
Apr. 19	5.88	June 20	7.18	Aug. 28	7.82	Dec. 26	4.87

Caddo County

1 (*1026, p. 79). P. C. Haun. NW¼NW¼ sec. 2, T. 7 N., R. 12 W. Bench mark, cross cut in northwest corner of concrete curb around well, 0.48 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Jan. 9	49.39	Mar. 18	49.04	July 21	49.85	Oct. 28	49.45
29	48.78	May 28	48.80	Aug. 28	50.11	Nov. 26	48.64
Feb. 20	48.47	June 30	48.96	Sept.26	49.70	Dec. 24	48.76

Canadian County

RFC1 (*1026, p. 80). Geological Survey, U. S. Dept. of Interior. SE¼SE¼ sec. 5, T. 12 N., R. 5 W.

Water level, in feet below land-surface datum, 1946

Jan. 31	6.39	Apr. 25	6.77	July 31	8.59	Oct. 25	4.33
Feb. 8	6.05	May 14	7.26	Aug. 20	7.92	Nov. 28	5.71
25	5.78	27	7.32	29	7.89	Dec. 18	5.40
Mar. 20	6.27	June 20	7.92	Sept.27	8.60	27	5.55
Apr. 19	6.60	26	8.44				

2 (*909, p. 64; 939, p. 50; 947, p. 51; 989, p. 63; 1019, p. 88; 1026, p. 80). Oklahoma City Water Department. NW¼ sec. 33, T. 13 N., R. 7 W.

Water level, in feet below land-surface datum, 1946

Feb. 8	13.51	June 20	13.24	Aug. 28	18.14	Dec. 18	9.81
Apr. 19	12.49	July 27	15.36	Oct. 31	11.59	27	10.07
May 14	12.34	Aug. 20	18.24				

RFC3. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 1, T. 13 N., R. 9 W., on flood plain about 200 feet south of North Canadian River channel. Second replacement for former Canadian County well 3, Oklahoma City Water Department test well (*909, p. 64; 939, p. 50; 947, p. 53; 989, p. 63; 1019, p. 88). Measurements lapsed after January 1944, resumed in October 1946. Driven well, diameter 1¼ inches, depth 9.4 feet, with 1¼-inch by 18-inch well point. Measuring point, top of 1¼-inch casing, 1.73 feet above land-surface datum. Bench mark, bolt in north west wingwall of bridge, 1,369.32 feet above mean sea level, and 11.23 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 31, 2.84; Dec. 17, 3.46; Dec. 19, 3.46; Dec. 27, 3.66.

RFC4 (*947, p. 53; 989, p. 63; 1019, p. 88; 1026, p. 80). Geological Survey, U. S. Dept. of Interior. NE. corner sec. 17, T. 14 N., R. 10 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	5.33	June 20	6.55	Aug. 28	7.20	Dec. 17	3.94
Apr. 19	5.41	Aug. 19	7.17	Oct. 31	3.35	27	4.05
May 15	5.90						

10 (*947, p. 51; 989, p. 63; 1019, p. 88; 1026, p. 80). Owner unknown. SE¼SW¼ sec. 16, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1946: May 15, 22.00; Aug. 19, 22.89; Dec. 17, 23.15.

13 (*947, p. 52; 989, p. 63; 1019, p. 88; 1026, p. 80). Owner unknown. SE¼SW¼ sec. 16, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1946: May 15, 8.43; Aug. 19, 9.48; Dec. 19, 7.53.

82 (*947, p. 52; 989, p. 63; 1019, p. 88; 1026, p. 80). Ryba Jocob. SE¼SE¼NE¼ sec. 3, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 14, 19.73; Aug. 20, 21.19; Dec. 18, 22.22.

85 (*947, p. 52; 989, p. 64; 1019, p. 88; 1026, p. 80). W. L. Towe. NW¼SW¼SW¼ sec. 6, T. 12 N., R. 5 W. Water levels, in feet below land-surface datum, 1946; May 14, 6.63; May 27, 6.95; Aug. 20, 10.33; Dec. 18, 11.15.

151 (*947, p. 52; 989, p. 64; 1019, p. 88; 1026, p. 80). Canadian County. NW. corner SW¼ sec. 20, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 12.50; Aug. 19, 13.43; Dec. 17, 12.90.

G1 (*947, p. 53; 989, p. 64; 1019, p. 88; 1026, p. 80). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 29, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 17.18; Aug. 20, 17.55; Dec. 18, 17.79.

G2 (*947, p. 53; 989, p. 64; 1019, p. 88; 1026, p. 80). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 35, T. 13 N., R. 7 W. Measurements discontinued.

G3 (*947, p. 53; 989, p. 64; 1019, p. 88; 1026, p. 80). Geological Survey, U. S. Dept. of Interior. SE¼SE¼SE¼ sec. 34, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 6.83; Aug. 20, 8.65; Dec. 18, 7.62.

G4 (*947, p. 53; 989, p. 64; 1019, p. 88; 1026, p. 80). Geological Survey, U. S. Dept. of Interior. NE. corner sec. 8, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1946: May 15, 13.72; Aug. 19, 13.17; Dec. 17, 11.43.

G5 (*947, p. 54; 989, p. 64; 1019, p. 87; 1026, p. 80). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 5, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 14, 0.57; Aug. 20, 2.44; Dec. 18, 2.30.

G6 (*947, p. 54; 989, p. 64; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SE. corner sec. 8, T. 12 N., R. 5 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	4.63	May 14	5.60	July 31	7.83	Oct. 25	9.20
Feb. 25	3.50	27	5.94	Aug. 20	8.65	Nov. 28	8.37
Mar. 20	4.21	June 20	6.49	29	8.67	Dec. 18	9.17
Apr. 25	5.03	26	6.87	Sept.27	9.04	27	9.08

G7 (*947, p. 54; 989, p. 64; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 21, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 15.13; Aug. 20, 15.94; Dec. 18, 15.89.

G8 (*947, p. 54; 989, p. 64; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SW¼SE¼SW¼ sec. 33, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 13.49; Aug. 20, 13.99; Dec. 18, 14.75.

G9 (*947, p. 54; 989, p. 64; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 3, T. 12 N., R. 6 W. Well destroyed; measurements discontinued.

G10 (*947, p. 54; 989, p. 64; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 15, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 9.45; Aug. 19, 10.86; Dec. 17, 10.25.

G11 (*947, p. 55; 989, p. 64; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SW. corner of sec. 8, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 4.25; Aug. 19, 5.33; Dec. 17, 4.34.

G12 (*947, p. 55; 989, p. 65; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 17, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 6.14; Aug. 19, 7.73; Dec. 17, 5.03.

G13 (*947, p. 55; 989, p. 65; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 14, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 6.67; Aug. 19, 8.12; Dec. 17, 7.87.

G14 (*947, p. 55; 989, p. 65; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. 500 feet east of NW. corner sec. 25, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 16.79; Aug. 19, 17.52; Dec. 17, 16.58.

G15 (*947, p. 55; 989, p. 65; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SE. corner sec. 19, T. 14 N., R. 9 W. Measurements discontinued after May 15. Water level, in feet below land-surface datum, 1946: May 15, 3.48.

G16 (*947, p. 55; 989, p. 65; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SE. corner SW¼SE¼ sec. 28, T. 14 N., R. 9 W. Water levels, in feet below land-surface datum, 1946: May 15, 15.22; Aug. 19, 16.63; Dec. 17, 16.42.

G17 (*947, p. 56; 989, p. 65; 1019, p. 89; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. SW¼SW¼SW¼ sec. 33, T. 14 N., R. 9 W. Water levels, in feet below land-surface datum, 1946: May 15, 11.96; Aug. 19, 12.19; Dec. 17, 12.25.

G18 (*947, p. 56; 989, p. 65; 1019, p. 90; 1026, p. 81). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 11, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1946: May 14, 20.17; Aug. 19, 20.59; Dec. 17, 19.17.

G19 (*947, p. 56; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 27, T. 13 N., R. 7 W. Measurements discontinued.

G20 (*947, p. 56; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. NW. corner SW¼ sec. 12, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 14, 6.94; Aug. 20, 9.98.

G21 (*947, p. 56; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. NW. corner SW¼SW¼ sec. 11, T. 12 N., R. 6 W. Measurements discontinued after May 14. Water level, in feet below land-surface datum, 1946: May 14, 10.90.

G22 (*947, p. 56; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW¼SW¼SE¼ sec. 9, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 15, 4.03; Aug. 20, 6.44; Dec. 18, 5.76.

G23 (*947, p. 57; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. NE¼NW¼NE¼ sec. 7, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 14, 8.92; Aug. 20, 10.39; Dec. 18, 8.72.

G24 (*947, p. 57; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW¼SW¼SW¼ sec. 5, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 14, 5.88; Aug. 20, 7.48; Dec. 18, 5.77.

G25 (*947, p. 57; 989, p. 65; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 15, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 10.75; Aug. 19, 11.10; Dec. 17, 11.18.

G26 (*947, p. 57; 989, p. 66; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 13, T. 14 N., R. 10 W. Measurements discontinued.

G27 (*947, p. 57; 989, p. 66; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW. corner NW¼ sec. 36, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 7.48; Aug. 19, 9.93; Dec. 17, 2.22.

G28 (*947, p. 57; 989, p. 66; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SE. corner sec. 23, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 14, 16.64; Aug. 20, 17.11; Dec. 18, 17.30.

G29 (*947, p. 58; 989, p. 66; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW. corner SE¼ sec. 10, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 15, 6.40; Aug. 20, 7.43; Dec. 18, 7.12.

G30 (*947, p. 58; 989, p. 66; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. SW. corner sec. 36, T. 14 N., R. 9 W. Water level, in feet below land-surface datum, 1946: May 15, 9.43.

G32 (*947, p. 58; 989, p. 66; 1019, p. 90; 1026, p. 82). Geological Survey, U. S. Dept. of Interior. NE. corner NW¼NW¼ sec. 22, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 15, 5.63; Aug. 20, 6.05; Dec. 18, 5.58.

G34 (*947, p. 59; 989, p. 66; 1019, p. 90; 1026, p. 82) Geological Survey, U. S. Dept. of Interior. SW. corner sec. 32, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 15, 8.38; Aug. 20, 11.81; Dec. 19, 11.96.

G35 (*947, p. 59; 989, p. 66; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SW¼NW¼SW¼ sec. 18, T. 12 N., R. 5 W. Water levels, in feet below land-surface datum, 1946: May 27, 1.52; Aug. 20, 1.95; Dec. 18, 1.67.

G36 (*947, p. 59; 989, p. 66; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SW¼SW¼NW¼ sec. 13, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 15, 6.59; Aug. 20, 9.85; Dec. 18, 8.60.

G37 (*947, p. 59; 989, p. 66; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. NE¼SE¼SE¼ sec. 7, T. 12 N., R. 5 W. Measurements discontinued.

G38 (*947, p. 59; 989, p. 66; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SE¼NE¼NE¼ sec. 18, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1946: May 15, 5.21; Aug. 20, 6.66; Dec. 18, 6.03.

G40 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SE. corner sec. 8, T. 13 N., R. 8 W. Measurements discontinued.

G41 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. 150 feet north of SW. corner sec. 4, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 15, 6.43; Aug. 20, 8.32; Dec. 18, 6.87.

G42 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SE. corner SW¼ sec. 22, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 15, 11.86; Aug. 20, 13.20; Dec. 18, 12.42.

G44 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 28, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1946: May 15, 15.33; Aug. 19, 17.11; Dec. 17, 15.25.

G45 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. NW. corner sec. 21, T. 14 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 15, 8.00; Aug. 20, 8.55; Dec. 18, 8.92.

G46 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. NE. corner sec. 29, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1946: May 15, 13.69; Aug. 20, 14.90; Dec. 18, 14.75.

G47 (*947, p. 60; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. NW. corner SW¼SW¼ sec. 27, T. 14 N., R. 10 W. Measurements discontinued.

G48 (*947, p. 61; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SE. corner sec. 3, T. 12 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 13.56; Aug. 20, 14.13; Dec. 18, 14.71.

G49 (*947, p. 61; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. NE. corner SE¼SE¼ sec. 11, T. 12 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 16.87; Aug. 20, 17.96; Dec. 18, 17.91.

G50 (*947, p. 61; 989, p. 67; 1019, p. 91; 1026, p. 83). Geological Survey, U. S. Dept. of Interior. SE. corner sec. 1, T. 12 N., R. 7 W. Water levels, in feet below land-surface datum, 1946: May 14, 16.23; Aug. 20, 17.38; Dec. 18, 17.65.

G51 (*947, p. 61; 989, p. 67; 1019, p. 91; 1026, p. 84). Geological Survey, U. S. Dept. of Interior. NE. corner sec. 7, T. 12 N., R. 5 W. Measurements discontinued.

G52 (*947, p. 61; 989, p. 67; 1019, p. 92; 1026, p. 84). Geological Survey, U. S. Dept. of Interior. SW. corner NW¼ sec. 4, T. 12 N., R. 5 W. Well destroyed after Nov. 28; measurements discontinued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	3.98	May 14	5.47	June 26	6.36	Sept.27	8.72
Feb. 25	3.37	27	5.71	July 31	6.95	Oct. 25	7.70
Mar. 20	4.13	June 20	6.23	Aug. 20	8.03	Nov. 28	8.01
Apr. 25	4.97						

G53. Geological Survey, U. S. Dept. of Interior. SW¼ sec. 3, T. 10 N., R. 7 W. Driven test well, diameter 1¼ inches, depth 11.5 feet, with 1¼-inch by 24-inch well point. Well is on terrace north of Canadian River. Measuring point, top of 1¼-inch casing, 1.00 foot above land-surface datum. Bench mark, railroad spike driven horizontally in southwest side of pole of electric power line about 50 feet southeast of well, 7.83 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 9, 6.77; Dec. 17, 6.65.

Cimarron County

66 (*845, p. 394; 886, p. 605; 909, p. 64; 939, p. 52; 947, p. 61; 989, p. 68; 1019, p. 92; 1026, p. 84). C. K. Womack. NW¼SE¼SE¼ sec. 34, T. 1 N., R. 5 E. Measurements discontinued.

120 (*886, p. 603; 909, p. 64; 939, p. 52; 947, p. 61; 989, p. 68; 1019, p. 92; 1026, p. 84). George Camilli. NE¼SE¼SE¼ sec. 2, T. 2 N., R. 2 E. Water levels, in feet below land-surface datum, 1946: May 20, 164.76; Oct. 24, 164.48.

148 (*845, p. 394; 886, p. 605; 909, p. 65; 939, p. 52; 947, p. 61; 989, p. 68; 1019, p. 92; 1026, p. 84). T. A. Peters. SE¼SE¼SW¼ sec. 5, T. 2 N., R. 5 E. Filled to 24-foot level in May; measurements discontinued.

156. Geological Survey, U. S. Dept. of Interior. SE¼NW¼NW¼ sec. 8, T. 2 N., R. 5 E. Driven well, diameter 1¼ inches, depth 8.5 feet, with 1¼-inch by 24-inch well point. On slope between terrace and flood plain. Measuring point, top of 1¼-inch casing, 2.5 feet above land-surface datum. Bench mark, cross cut in southeast corner of north concrete abutment of bridge for State Highway 78 over North Canadian River, about 150 feet west of well, and 6.98 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 22, 5.49.

224 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 61; 989, p. 68; 1019, p. 92; 1026, p. 84). Walter R. Wood. NE¼SE¼SE¼ sec. 15, T. 3 N., R. 1 E. Water levels, in feet below land-surface datum, 1946: May 20, 133.09; Oct. 24, 132.52.

237 (*886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; 989, p. 68; 1019, p. 92; 1026, p. 84). Central Life Assurance Society. NE¼NE¼NE¼ sec. 36, T. 3 N., R. 1 E. Water levels, in feet below land-surface datum, 1946: May 20, 57.33; Oct. 24, 56.56.

262 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; 989, p. 68; 1019, p. 92; 1026, p. 84). W. H. and Z. B. Stone. SE¼SE¼SW¼ sec. 12, T. 3 N., R. 4 E. Original measuring point and original bench mark destroyed. New measuring point, top north edge of hub of wire automobile wheel that is centered over casing, estimated to be at land-surface datum. New bench mark, 2 nails driven horizontally in northwest base of telephone pole south of well, 0.03 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 20, 181.21; Oct. 23, 180.70.

263 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; 989, p. 68; 1019, p. 92; 1026, p. 84). John Ohnick, Jr. SE¼SW¼SW¼ sec. 15, T. 3 N., R. 4 E. Water levels, in feet below land-surface datum, 1946: May 20, 121.53; Oct. 24, 121.34.

275 (*886, p. 602; 909, p. 65; 939, p. 52; 947, p. 62; 989, p. 68; 1019, p. 92; 1026, p. 84). O. A. Showalter. SW¼NW¼NW¼ sec. 11, T. 3 N., R. 5 E. Original bench mark destroyed. New bench mark, 2 nails driven vertically into exposed root on north side of 15-inch tree northwest of well and 8 feet southeast of water tank and windmill, 0.45 foot below land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 24, 146.26.

276 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; 989, p. 68; 1019, p. 92; 1026, p. 84). Atchison, Topeka, and Santa Fe Railroad. N½SW¼ sec. 14, T. 3 N., R. 5 E. Water levels, in feet below land-surface datum, 1946: May 19, 133.54; Oct. 24, 133.65.

313 (*845, p. 392; 886, p. 602; 909, p. 66; 939, p. 52; 947, p. 62; 989, p. 68; 1019, p. 92; 1026, p. 84). E. J. Behrent. NW¼NW¼NW¼ sec. 9, T. 3 N., R. 7 E. Water levels, in feet below land-surface datum, 1946: May 19, 42.60; Oct. 24, 42.30.

435 (*845, p. 392; 886, p. 601; 909, p. 66; 939, p. 53; 947, p. 62; 989, p. 69; 1019, p. 93; 1026, p. 84). B. J. Wiggins. SW¼SW¼SW¼ sec. 26, T. 4 N., R. 8 E. Water levels, in feet below land-surface datum, 1946: May 19, 136.79; Oct. 24, 136.63.

436 (*845, p. 392; 886, p. 601; 909, p. 67; 939, p. 53; 947, p. 62; 989, p. 69; 1019, p. 93; 1026, p. 85). Mrs. S. C. Cantrell. NE¼NE¼NE¼ sec. 32, T. 4 N., R. 8 E. Water levels, in feet below land-surface datum, 1946: May 19, 151.64; Oct. 24, 150.82.

516 (*886, p. 604; 909, p. 67; 939, p. 53; 947, p. 62; 989, p. 69; 1019, p. 93; 1026, p. 85). State of Oklahoma. SE¼ sec. 34, T. 5 N., R. 5 E. New bench mark, nail in east side of large fence post where fence bends around gulley, about 175 feet southeast of well, 7.10 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 20, 7.14; Oct. 23, 6.62.

528 (*886, p. 605; 909, p. 67; 939, p. 53; 947, p. 62; 989, p. 69; 1019, p. 93; 1026, p. 85). Alliance Insurance Co. NW¼ sec. 4, T. 5 N., R. 7 E. Water levels, in feet below land-surface datum, 1946: May 19, 16.84; Oct. 24, 17.38.

610 (*845, p. 393; 886, p. 604; 909, p. 67; 939, p. 53; 947, p. 62; 989, p. 69; 1019, p. 93; 1026, p. 85). A. S. Parker. SW¼NE¼NE¼ sec. 21, T. 6 N., R. 5 E. Original bench mark destroyed. New bench mark, 2 nails in base of corner fence post north of well, 2.72 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 20, 28.33; Oct. 23, 28.56.

660. Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 9, T. 5 N., R. 5 E. Driven well, diameter 1¼ inches, depth 9.8 feet, with 1¼-inch by 24-inch well point, on flood plain on north side of Cimarron River. Measuring point, top of 1¼-inch casing, 1.7 feet above land-surface datum. Bench mark, U. S. Army Engineers bench mark in southeast wingwall of bridge for U. S. Highway 287 over Cimarron River, 12.09 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 23, 5.08.

Cleveland County

1 (*886, p. 614; 909, p. 67; 939, p. 53; 947, p. 63; 989, p. 69; 1019, p. 93; 1026, p. 85). Mrs. Elizabeth E. Taylor. NW¼SW¼ sec. 28, T. 10 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	7.64	Jan. 31	5.38	Feb. 22	5.18	Mar. 15	3.50
11	6.06	Feb. 1	5.35	28	3.91	20	2.88
18	4.61	8	5.47	Mar. 1	4.06	22	3.89
25	4.67	15	5.52	8	3.88	30	3.19

1--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 5	3.90	June 6	4.60	Aug. 15	8.19	Oct. 25	9.98
12	4.63	13	5.09	22	7.91	Nov. 1	10.09
19	4.76	20	5.61	30	8.42	11	9.96
25	4.64	27	5.82	Sept. 6	8.67	22	9.89
26	4.70	29	5.62	12	9.01	29	9.66
30	4.68	July 4	5.72	20	9.28	Dec. 6	9.78
May 3	4.81	12	6.22	27	9.48	13	8.87
10	4.79	18	6.39	30	9.62	20	9.08
17	5.06	25	6.82	Oct. 4	9.67	27	9.25
29	4.97	31	7.11	11	9.82	31	9.65
31	4.64	Aug. 8	7.53	18	10.67		

4 (*947, p. 63; 989, p. 70; 1019, p. 93; 1026, p. 85). City of Norman. In Norman, 93 feet north of center of Daws Street, 150 feet west of Santa Fe Avenue, in city park.

Water level, in feet below land-surface datum, 1946

Jan. 4	318.38	Apr. 5	297.12	July 5	296.43	Oct. 5	282.30
11	314.45	12	296.79	12	305.76	12	281.18
19	309.27	19	292.88	18	306.52	17	280.28
25	308.21	26	294.62	25	309.43	26	279.48
Feb. 1	307.67	May 3	290.73	Aug. 2	311.34	Nov. 2	277.19
8	307.58	10	288.70	9	312.71	11	276.48
15	308.19	17	286.13	16	310.28	22	275.02
22	310.32	24	284.54	23	314.59	29	275.33
Mar. 1	306.43	June 1	282.29	30	317.28	Dec. 6	273.23
8	302.88	7	281.27	Sept. 5	310.71	13	269.82
15	300.57	13	281.85	13	294.72	20	270.79
22	299.23	20	286.37	21	306.58	27	268.19
30	299.42	28	287.34	30	283.47		

5 (*947, p. 63; 989, p. 70; 1019, p. 94; 1026, p. 86). F. W. Goldsby. NW. corner SE¼ sec. 30, T. 9 N., R. 1 W. Equipped with automatic water-stage recorder.

Lowest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	151.18	149.65	148.61	147.51	146.54	145.34
2	151.14	149.65	148.61	147.47	146.54	145.38
3	151.07	149.56	148.51	147.48	146.46	145.35
4	a 150.95	149.47	148.42	147.54	146.49	145.29
5	.....	149.44	148.39	147.45	146.45	145.19
6	.....	149.45	148.38	147.29	146.39	145.08
7	.....	149.40	148.39	147.26	146.42	145.01
8	.....	149.35	148.47	147.27	146.40	145.02
9	.....	149.36	148.45	147.28	146.30	145.04
10	.....	149.31	148.46	147.32	146.23	145.02
11	150.59	149.27	148.35	147.38	146.27	144.96
12	150.68	149.25	148.17	a 147.37	146.24	144.88
13	150.65	149.27	148.12	.....	146.15	144.93
14	150.50	149.31	147.99	.....	146.12	144.90
15	150.38	149.31	147.89	.....	146.09	144.86
16	150.36	149.19	147.94	147.21	146.05	144.85
17	150.27	149.16	148.10	147.22	145.98	144.78
18	150.25	149.07	148.10	147.12	145.93	144.74
19	149.99	149.07	148.09	147.06	145.92	144.80
20	150.01	149.07	148.03	146.99	145.99	144.84
21	150.06	148.92	147.94	146.98	145.97	144.80
22	150.05	148.86	147.86	146.92	145.89	144.80
23	149.92	148.88	147.89	146.83	145.76	144.81
24	149.93	148.81	147.83	146.79	a 145.66	144.73
25	149.72	148.66	147.72	146.76	145.79	144.71
26	149.92	148.62	147.74	146.75	145.77	144.73

a Tape measurement.

5--Continued.

Lowest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June
27	149.90	148.64	147.72	146.70	145.71	144.70
28	149.81	148.60	147.63	146.64	145.65	144.68
29	149.74		147.58	146.63	145.50	144.53
30	149.67		147.60	146.55	145.45	144.46
31	149.68		147.60		145.35	

Lowest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	144.46	144.77	145.78	146.23	145.55	144.70
2	144.40	144.78	145.82	146.17	145.48	144.69
3	144.34	144.80	145.85	146.13	145.53	144.57
4	144.32	144.85	145.86	146.12	145.55	144.56
5	144.30	144.85	145.91	146.13	145.50	144.45
6	144.27	144.90	145.94	146.19	145.30	144.38
7	144.26	144.93	145.97	146.12	145.26	144.32
8	144.25	145.00	145.98	146.06	145.25	144.31
9	144.22	145.06	145.98	146.04	145.18	144.31
10	144.25	145.17	146.05	146.10	145.24	144.26
11	144.31	145.19	146.10	146.13	145.30	144.17
12	144.32	145.19	146.09	146.13	145.33	144.02
13	144.29	145.19	146.09	146.08	145.28	144.04
14	144.27	145.24	146.10	146.10	145.13	143.99
15	144.31	145.32	146.09	146.07	.....	143.91
16	144.34	145.38	146.10	146.02	.....	143.90
17	144.33	145.39	146.12	145.90	.....	144.05
18	144.33	145.45	146.17	145.98	.....	144.05
19	144.36	145.47	146.19	146.01	.....	143.85
20	144.41	145.51	146.18	146.04	144.90	143.79
21	144.44	145.55	146.08	145.95	144.94	143.79
22	144.43	145.61	146.01	145.89	144.94	143.77
23	144.46	145.66	146.25	145.86	144.85	143.70
24	144.55	145.66	146.26	145.76	144.60	143.73
25	144.57	145.69	146.22	145.76	144.67	143.73
26	144.58	145.70	146.18	145.72	144.70	143.59
27	144.56	145.71	146.16	145.77	144.72	143.49
28	144.58	145.74	146.24	145.78	144.72	143.63
29	144.61	145.81	146.29	145.75	144.62	143.71
30	144.64	145.81	147.30	145.66	144.60	143.72
31	144.69	145.75		145.63		143.74

6 (*989, p. 71; 1019, p. 95; 1026, p. 87). C. H. Taylor. SE¼NE¼NW¼ sec. 23, T. 8 N., R. 2 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	124.40	Apr. 5	122.49	July 5	120.25	Sept.20	120.01
11	124.36	12	122.33	10	119.98	Oct. 4	119.78
19	124.28	19	122.17	19	119.89	11	119.59
25	124.22	26	121.88	25	119.74	17	119.34
Feb. 1	123.74	May 3	121.57	Aug. 2	119.98	25	119.28
8	124.29	10	121.26	9	120.07	Nov. 1	118.88
15	124.51	17	121.13	16	120.26	11	118.61
22	124.42	24	120.98	23	120.31	22	118.60
Mar. 1	123.70	31	120.70	30	120.25	29	118.22
8	123.56	June 7	120.59	Sept. 6	120.32	Dec. 13	118.39
15	123.23	14	120.50	13	119.83	20	118.35
22	122.88	21	120.47	20	119.96	27	118.26
30	122.44	28	120.44				

8 (*980, p. 72; 1019, p. 95; 1026, p. 87). Town of Noble. SE¼SW¼NE¼ sec. 27, T. 8 N., R. 2 W., in southeast corner of town garage at water tower, 57 feet south of public-supply well.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	178.93	Apr. 5	181.97	June 21	189.92	Sept. 20	a208.11
11	a192.67	12	190.60	28	197.66	28	a211.20
19	a211.90	18	186.30	July 5	a205.02	Oct. 4	a200.03
25	a200.05	19	a209.22	10	a202.30	11	197.16
Feb. 1	a202.90	26	a201.01	19	a207.70	25	a206.86
8	192.87	May 3	a209.19	25	210.65	31	a210.30
15	a196.87	10	a205.64	Aug. 2	a214.44	Nov. 11	a205.00
22	a200.75	17	178.23	9	211.35	22	a204.54
Mar. 1	a208.99	24	184.99	16	206.77	29	a199.80
8	184.73	31	177.77	23	211.70	Dec. 13	a203.37
15	a192.66	June 7	186.20	30	a209.05	19	a199.70
22	a199.55	14	196.00	Sept. 6	a215.03	27	a197.74
29	193.68						

a Public-supply well pumping.

9 (*980, p. 73; 1019, p. 95; 1026, p. 87). E. G. Johnson. SW¼SE¼ sec. 25, T. 9 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Jan. 4	218.04	Apr. 5	217.41	July 5	216.43	Oct. 5	216.90
11	218.09	12	217.68	12	216.46	11	216.88
19	217.96	18	217.57	18	216.51	17	216.80
25	217.92	26	217.48	25	216.63	26	216.54
Feb. 1	217.67	May 3	217.40	Aug. 8	216.74	Nov. 2	216.41
8	217.57	10	217.31	18	216.89	12	216.45
15	217.78	17	217.24	22	216.97	22	216.39
22	218.36	31	216.97	30	216.97	29	216.31
Mar. 1	218.46	June 6	216.76	Sept. 5	216.99	Dec. 6	216.17
8	217.65	13	216.54	13	217.10	13	218.41
15	217.36	20	216.56	21	217.18	20	215.20
22	217.52	27	216.47	27	217.23	27	215.54

10 (*1019, p. 96; 1026, p. 88). University of Oklahoma. SE¼NE¼SE¼ sec. 31, T. 9 N., R. 2 W., east of fieldhouse.

Water level, in feet below land-surface datum, 1946

Jan. 4	307.82	May 3	282.14	July 18	288.12	Oct. 5	285.16
12	294.39	10	280.71	28	294.52	12	283.42
25	293.59	18	277.36	Aug. 2	287.18	17	279.26
Feb. 2	296.35	24	276.40	9	289.31	26	280.60
16	291.51	31	274.65	16	292.20	Nov. 2	276.05
23	292.14	June 7	274.39	23	293.33	11	276.40
Mar. 21	289.20	14	277.08	30	288.22	30	276.70
30	290.01	21	280.38	Sept. 5	286.85	Dec. 6	276.20
Apr. 5	288.92	29	283.28	13	288.64	13	275.95
12	290.71	July 5	279.95	21	290.46	20	275.54
19	286.60	12	286.48	30	280.09	27	271.95
26	286.50						

11 (*1019, p. 96; 1026, p. 88). Mid-Continent Petroleum Co. NE¼SE¼ sec. 29, T. 10 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Jan. 18	183.89	Mar. 8	188.10	Apr. 19	181.44	Nov. 22	182.49
Feb. 8	181.94	15	182.34	26	181.34	Dec. 13	180.62
Mar. 1	184.47	Apr. 5	182.14	May 3	181.09	20	180.21

12 (*1026, p. 88). Dave Price. SW¼NE¼SE¼ sec. 17, T. 9 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	147.15	Apr. 5	150.61	July 5	152.96	Oct. 4	153.28
11	147.06	12	150.68	12	153.22	11	153.38
18	147.61	19	151.15	18	153.43	18	153.53
25	147.69	26	151.26	25	152.90	25	153.19
Feb. 1	148.29	May 3	151.42	Aug. 8	153.10	Nov. 1	153.08
8	148.50	10	151.60	15	153.00	11	152.93
15	148.78	17	151.74	22	153.21	22	152.80
22	149.04	31	151.93	30	153.24	29	152.66
Mar. 1	149.41	June 6	152.11	Sept. 6	153.30	Dec. 6	152.81
8	148.77	13	152.28	12	153.42	13	152.70
15	149.59	20	152.47	20	153.50	20	152.63
22	150.09	27	152.77	28	153.58	27	152.36
30	150.37						

13 (*1026, p. 88). Hardin. NE¼SE¼NE¼ sec. 31, T. 10 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	139.58	Apr. 5	141.80	July 4	141.22	Oct. 4	140.45
11	139.84	12	141.85	12	141.30	11	140.33
18	140.08	19	141.94	18	141.38	18	140.25
25	140.07	26	141.84	25	141.47	25	140.09
Feb. 1	139.84	May 3	141.85	Aug. 8	141.28	Nov. 1	139.86
8	140.56	10	141.74	15	141.40	11	139.57
15	140.90	17	141.58	22	141.46	22	139.33
22	141.50	31	141.34	30	141.19	29	139.03
Mar. 1	141.02	June 6	141.29	Sept. 6	141.33	Dec. 6	139.15
8	141.32	13	141.21	12	141.44	13	138.95
15	141.20	20	141.18	20	141.47	20	138.76
22	141.41	27	141.13	27	141.56	27	138.47
30	141.71						

14. Geological Survey, U. S. Dept. of Interior. NE. corner sec. 29, T. 9 N., R. 3 W. Driven test well, diameter 1¼ inches, depth 11.1 feet, with 1¼-inch by 24-inch well point. On alluvial plain of Canadian River ("Ten Mile Flat"). Aquifer, alluvial sand between 8 and 10 feet below surface. Measuring point, top of 1¼-inch casing, 1.10 feet above land-surface datum. Bench mark, nail driven horizontally in west side of telephone pole, 2 feet east of well, 0.89 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Oct. 4	4.65	Oct. 25	4.96	Nov. 22	4.56	Dec. 13	2.49
11	4.84	Nov. 1	5.17	29	4.32	20	3.62
18	4.95	11	4.99	Dec. 6	4.76	27	3.85

Custer County

1. Geological Survey, U. S. Dept. of Interior. NE¼NE¼SW¼ sec. 13, T. 12 N., R. 17 W. Driven test well, diameter 1¼ inches, depth 15.8 feet, with 1¼-inch by 24-inch well point. On flood plain of Washita River. Aquifer, alluvial sand, 14 feet to bottom. Measuring point, top of 1¼-inch casing, 2.10 feet above land-surface datum. Bench mark, tenpenny nail driven horizontally into west base of power pole, 2 feet north of well, 0.94 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946; Oct. 9, 11.32; Oct. 30, 11.37; Dec. 27, 11.30.

Ellis County

1. Owner unknown. NW¼NW¼NW¼ sec. 22, T. 18 N., R. 24 W., in an area of sand dunes on upland north of Canadian River. Unused drilled domestic well, equipped with windmill, diameter 6 inches, depth 47 feet. Aquifer, probably Tertiary. Measuring point, north edge of galvanized-iron casing, 1.10 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 22, 37.58; July 11, 37.87; Oct. 30, 38.05; Dec. 27, 37.96.

2. Owner unknown. SW¼SW¼SW¼ sec. 34, T. 18 N., R. 24 W., in an area of sand dunes on upland north of Canadian River. Unused drilled domestic well, equipped with windmill, depth 52 feet. Aquifer, probably Tertiary. Measuring point, north edge of casing, 0.60 foot above land-surface datum. Bench mark, cross chisled in top of concrete well curbing, 1 foot north of measuring point and 0.54 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 22, 41.89; July 11, 42.07.

3. Owner unknown. NW¼NW¼SW¼ sec. 5, T. 20 N., R. 25 W., in valley of small creek. Drilled domestic well, diameter 4 inches, depth 33 feet. Aquifer, alluvium and (?) Tertiary. Little used. Measuring point, north edge of 4-inch casing, 0.50 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: July 12, 21.66; Oct. 30, 21.50.

4. Owner unknown. SW¼SW¼SW¼ sec. 10, T. 19 N., R. 25 W., in bottom of shallow valley. Drilled stock well, diameter 6 inches, depth 42 feet. Aquifer, Tertiary or younger. Measuring point, top of pump-type base, south side of drop pipe, 2.00 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: July 12, 27.95; Oct. 30, 28.14; Dec. 27, 28.03.

Grady County

3. Simmons. NW¼NE¼ sec. 5, T. 4 N., R. 7 W., on a slope. Used drilled domestic well, diameter 8 inches, depth 21.5 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, northeast edge of galvanized-iron casing, 1 foot above land-surface datum. Bench mark, tenpenny nail driven horizontally into west base of 18-inch hackberry tree, 40 feet southeast of well, 0.60 foot above land-surface datum.

Water level, in feet below land-surface datum, 1945-46

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1945	13.05	June 25, 1946	13.45	Oct. 29, 1946	14.76
Jan. 24, 1946	12.80	July 30	14.31	Nov. 27	14.61
Apr. 24	13.46	Aug. 28	14.79	Dec. 25	14.40
May 26	13.63	Sepb.26	14.82		

4. C. W. West. SW¼SW¼SE¼ sec. 33, T. 5 N., R. 7 W., on a slope. Used drilled domestic well, diameter 6 inches, depth 92 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, north edge of galvanized-iron casing, 1.2 feet above land-surface datum. Bench mark, cross cut in northwest corner of concrete block, set longitudinally, supporting northwest corner of house, 9.5 feet southwest of well, 0.21 foot above land-surface datum.

Water level, in feet below land-surface datum, 1945-46

Aug. 21, 1945	63.13	June 25, 1946	59.64	Sept.26, 1946	61.57
Jan. 24, 1946	61.40	July 30	59.82	Oct. 29	62.81
Apr. 24	60.89	Aug. 28	60.53	Nov. 27	60.95
May 26	60.17				

7. Owner unknown. SE¼NE¼NE¼ sec. 9, T. 4 N., R. 7 W., on a slope. Used drilled stock well, diameter 6 inches, depth 97 feet. Equipped with windmill. Aquifer, Rush Springs sandstone member of Whitehorse formation Measuring point, north edge of galvanized-iron casing, 2.2 feet above land-surface datum. Bench mark, cross cut in west edge of concrete curb around well, 0.03 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	53.80	June 25	55.07	Sept.26	56.43	Nov. 27	55.52
24	55.03	July 30	54.84	Oct. 29	55.61	Dec. 25	55.68
May 26	55.02	Aug. 28	56.24				

8. Owner unknown. NE¼NW¼ sec. 16, T. 4 N., R. 7 W., on a slope. Unused drilled domestic well, diameter 6 inches, depth 41 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, south edge of galvanized-iron casing, 2.5 feet above land-surface datum. Bench mark, tenpenny nail driven horizontally in west base of 14-inch blackjack tree, 18 feet northwest of well, 1.04 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	27.36	June 25	26.30	Sept.26	25.76	Nov. 27	25.57
Apr. 24	27.77	July 30	25.42	Oct. 29	25.63	Dec. 25	25.55
May 26	27.77	Aug. 28	27.02				

11. Owner unknown. SE¼SW¼ sec. 9, T. 4 N., R. 7 W., on a slope. Used drilled domestic well, diameter 6 inches, depth 95 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, north edge of galvanized-iron casing, 1 foot above land-surface datum. Bench mark, tenpenny nail driven horizontally in west base of 24-inch cottonwood tree, 50 feet southeast of well, near fence, 0.62 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Apr. 24	5.04	July 30	4.99	Sept.26	7.63	Nov. 27	7.41
May 27	4.67	Aug. 28	6.85	Oct. 29	7.34	Dec. 25	6.65
June 25	4.27						

12. Owner unknown. NW¼NE¼ sec. 36, T. 4 N., R. 8 W., on a slope. Used drilled domestic well, diameter 6 inches, depth 72 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of the Whitehorse formation. Measuring point, south side of galvanized-iron casing, 1 foot above land-surface datum. Bench mark, tenpenny nail driven horizontally and bent over, in east base of black locust tree at root line, 45 feet south of house and 75 feet southeast of well, 2.95 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Feb. 6	47.20	June 25	47.37	Sept.26	47.16	Nov. 27	47.11
Apr. 11	48.14	July 31	47.04	Oct. 29	47.01	Dec. 25	47.02
May 26	47.77	Aug. 28	47.07				

19. Owner unknown. SW¼SW¼ sec. 23, T. 4 N., R. 8 W., on a slope. Used drilled domestic well, diameter 6 inches, depth 31.5 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, north edge of galvanized-iron casing, 1.5 feet above land-surface datum. Bench mark, tenpenny nail driven horizontally and bent double in east base of elm tree, 15 feet southeast of well, 0.57 foot below land-surface datum.

Water level, in feet below land-surface datum, 1946

Apr. 4	24.50	June 25	23.96	Sept.26	24.51	Nov. 27	24.65
11	24.17	July 30	22.87	Oct. 29	25.37	Dec. 25	24.91
May 27	24.45	Aug. 28	24.90				

24. W. W. Mobley. SW¼NE¼ sec. 29, T. 4 N., R. 7 W., on a slope. Used dug domestic well, diameter 2 feet, depth 20.5 feet. Equipped with rope and bucket. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, arrow notched in south edge of wooden cover, 2.7 feet above land-surface datum. Bench mark, tenpenny nail in east base of power pole 60 feet southwest of well, 4.62 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Apr. 5	13.40	June 25	12.81	Sept.26	15.54	Nov. 26	15.65
24	13.40	July 30	14.60	Oct. 29	15.93	Dec. 25	14.96
May 27	14.96	Aug. 28	15.36				

26. G. W. Wade. SE¼SE¼ sec. 9, T. 3 N., R. 8 W., on a slope. Used domestic well, dug and drilled, diameter 3 feet to 6 inches, depth 95 feet. Equipped with windmill and pump. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, arrow painted on well cover on north side, 1 foot above land-surface datum. Bench mark, cross cut in north corner of concrete curb around well, 0.84 foot above land-surface datum.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11	8.26	July 30	9.43	Sept.26	7.47	Nov. 27	8.43
May 27	8.98	Aug. 28	7.32	Oct. 29	8.64	Dec. 25	7.17
June 25	8.04						

34. E. M. Nixey. SE¼NE¼NW¼ sec. 17, T. 3 N., R. 7 W., on an upland flat. Unused drilled well, diameter 6 inches, depth 301 feet. Aquifer, Whitehorse formation. Measuring point, northeast edge of galvanized-iron casing, at land-surface datum. Bench mark, cross cut in concrete curb around well, 2 feet east and 0.5 foot south of measuring point, 0.16 foot below land-surface datum.

Water level, in feet below land-surface datum, 1946

Apr. 24	29.10	July 30	28.71	Sept.26	28.49	Nov. 27	28.55
May 27	29.88	Aug. 28	28.27	Oct. 29	28.72	Dec. 25	28.38
June 25	29.92						

35. Owner unknown. NE¼NW¼ sec. 11, T. 3 N., R. 8 W., on a slope. Unused drilled domestic well, diameter 6 inches, depth 64 feet. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, south edge of galvanized-iron casing, 1 foot above land-surface datum. Bench mark, tenpenny nail driven horizontally in south base of 10-inch blackjack tree, 30 feet northeast of well, near a fence, 1.58 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

Jan. 23	53.78	June 25	53.04	Sept.26	52.89	Nov. 27	52.88
Apr. 24	53.48	July 30	52.69	Oct. 29	52.98	Dec. 25	53.28
May 27	53.28	Aug. 28	52.69				

36. Owner unknown. SE¼NE¼ sec. 21, T. 4 N., R. 8 W., on a slope. Unused drilled irrigation well, diameter 6 inches, depth 181 feet. Aquifer, Rush Springs sandstone member of Whitehorse formation. Measuring point, north edge of cast iron cap on casing, at land-surface datum. Bench mark, tenpenny nail driven horizontally in east base of black-locust corner fence post, 125 feet northwest of well, 6.27 feet below land-surface datum.

Water level, in feet below land-surface datum, 1946

Apr. 11	73.63	July 30	73.07	Sept.26	72.94	Nov. 26	72.78
May 27	73.39	Aug. 28	72.91	Oct. 29	72.82	Dec. 25	72.68
June 25	73.23						

43. Q. L. Merideth. NW¼NW¼SW¼ sec. 25, T. 4 N., R. 8 W., on small valley flat. Unused dug domestic well, diameter 3 feet, depth 11 feet. Aquifer, alluvium derived from Rush Springs sandstone member of Whitehorse formation. Measuring point, south edge wooden cover, 2.7 feet above land-surface datum. Bench mark, cross painted on east edge of concrete curb around well, 1.31 feet above land-surface datum.

Water level, in feet below land-surface datum, 1946

May 27	5.18	July 30	5.44	Sept.26	4.86	Nov. 26	4.99
June 25	5.10	Aug. 28	4.66	Oct. 29	5.31	Dec. 25	4.82

45. Geological Survey, U. S. Dept. of Interior. SW¼NE¼ sec. 26, T. 7 N., R. 7 W. Driven test well, diameter 1¼ inches, depth 24.6 feet, with 1¼-inch by 24-inch well point. Aquifer, alluvium in Washita Valley. Measuring point, top of 1¼-inch casing, 0.30 foot above land-surface datum. Bench mark, nail in south side of telephone pole, 1 foot above ground, 20 feet north and 50 feet east of well, and 0.12 foot below land-surface datum. Water level, in feet below land-surface datum, 1946: Dec. 25, 7.10.

Harper County

1 (*909, p. 68; 939, p. 54; 947, p. 64; 989, p. 73; 1019, p. 96; 1026, p. 89). E. W. Johnson. NW¼NW¼NW¼ sec. 18, T. 26 N., R. 25 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	8.03	May 14	8.30	Aug. 27	12.04	Dec. 26	8.37
Apr. 19	7.39	June 20	10.83	Oct. 22	10.53		

McClain County

1 (*989, p. 73; 1019, p. 96; 1026, p. 89). H. A. Perkinson. SW¼SW¼NW¼ sec. 22, T. 7 N., R. 2 W.

Water level, in feet below land-surface datum, 1946

Jan. 29	84.07	Apr. 19	84.00	July 31	83.99	Oct. 31	84.06
Feb. 28	83.85	May 31	83.70	Aug. 30	84.30	Nov. 29	83.83
Mar. 29	83.76	June 26	84.06	Sept.30	84.21		

Major County

RFM1 (*947, p. 64; 989, p. 73; 1019, p. 97; 1026, p. 89). Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 29, T. 20 N., R. 16 W.

Water level, in feet below land-surface datum, 1946

Feb. 8	6.77	May 14	7.03	July 27	8.90	Oct. 31	5.70
Apr. 18	6.57	June 20	8.06	Aug. 28	8.99	Dec. 26	5.87

Oklahoma County

1 (*989, p. 74; 1019, p. 97; 1026, p. 89). Joslyn Production Co. SE¼NW¼NW¼ sec. 29, T. 13 N., R. 3 W.

Water level, in feet below land-surface datum, 1946

Jan. 31	165.18	Apr. 25	162.61	July 25	167.37	Oct. 25	167.51
Mar. 1	163.57	May 27	162.98	Aug. 29	169.32	Nov. 28	166.76
Apr. 8	162.31	June 26	163.21	Sept.28	168.91		

2 (*989, p. 74; 1019, p. 97; 1026, p. 89). Sunray Oil Co. NW¼SW¼ sec. 23, T. 12 N., R. 3 W., Avey lease, 28th Street and Lindsay Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1946

Jan. 31	183.75	Apr. 25	180.17	July 25	199.17	Oct. 25	194.70
Feb. 25	181.32	May 27	184.20	Aug. 29	206.85	Nov. 28	191.43
Mar. 27	179.52	June 26	188.15	Sept.28	204.68	Dec. 26	187.15

3 (*989, p. 74; 1019, p. 97; 1026, p. 89). Skelly Oil Co. SW¼NW¼ sec. 26, T. 12 N., R. 3 W., Gast Heights lease, 18th Street and N. Lottie Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1946

Jan. 31	200.96	Apr. 25	197.37	July 25	229.23	Oct. 25	223.50
Feb. 25	198.46	May 27	213.07	Aug. 29	232.40	Nov. 28	221.54
Mar. 27	197.27	June 26	209.60	Sept.28	226.64	Dec. 26	218.40

.4 (*1019, p. 97; 1026, p. 90). Oklahoma City Air Depot, U. S. Army. NW¼SW¼NW¼ sec. 11, T. 11 N., R. 2 W. Equipped with automatic water-stage recorder.

Lowest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	158.05	156.84	a 151.40	.....	158.86	155.95
2	164.77	156.04	.....	159.23	159.71	155.49
3	167.19	155.60	151.64	.....	160.41	155.17
4	167.91	159.99	.....	a 159.50	160.72	154.89
5	168.30	160.28	159.58	159.43	159.85	154.61
6	168.00	155.85	161.82	155.50	158.55	154.28
7	167.05	155.01	163.33	154.55	.....	159.31
8	166.46	154.33	164.58	155.96	161.81	159.92
9	161.10	154.15	161.10	156.47	161.68	160.19
10	159.87	153.92	158.77	157.62	161.35	160.30
11	159.07	153.38	157.65	158.44	.....	160.37
12	158.53	153.14	156.89	159.09	.....	160.56
13	158.23	152.94	156.53	159.29	.....	160.80
14	157.73	153.00	156.26	158.57	.....	160.84
15	157.23	153.00	156.01	160.97	.....	156.90
16	157.00	152.90	155.76	161.05	.....	156.61
17	156.70	152.97	155.36	160.94	a 153.90	160.44
18	157.33	152.88	154.98	160.67	.....	163.37
19	156.19	151.21	154.46	160.43	.....	163.53
20	156.10	151.21	154.00	160.43	.....	161.61
21	156.14	152.05	153.53	156.66	.....	161.94
22	161.26	151.93	153.11	155.89	.....	161.94
23	161.97	151.86	152.75	155.37	.....	160.30
24	158.04	151.70	152.52	155.02	a 155.10	159.14
25	159.42	151.30	.....	154.91	154.90	159.30
26	159.47	.....	.....	154.93	154.54	161.35
27	.....	.....	155.23	154.93	155.11	162.60
28	.....	.....	.....	154.83	156.50	163.46
29	163.52		.....	155.68	157.36	163.46
30	158.06		.....	158.43	157.80	163.58
31	157.44		.....		157.10	

a Tape measurement.

Lowest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	163.58	.....	162.46	165.78	157.45	167.07
2	167.64	170.41	162.08	165.93	157.41	168.11
3	167.64	171.13	161.67	166.77	157.50	168.93
4	166.23	171.73	161.24	168.27	157.48	169.15
5	161.53	172.26	160.84	168.27	157.41	164.59
6	160.09	172.91	160.38	164.05	157.62	162.40
7	159.09	173.47	160.03	162.71	157.20	161.44
8	158.40	173.80	159.93	161.81	157.26	160.76
9	157.86	174.10	159.84	162.06	157.21	163.65
10	157.59	174.35	159.62	160.67	157.18	166.40
11	157.54	171.73	159.53	160.52	157.14	167.41
12	157.52	169.80	159.47	160.42	157.02	168.53
13	157.50	168.39	159.48	160.16	156.75	169.06
14	157.54	167.64	159.59	159.88	156.48	169.42
15	157.61	167.14	159.69	159.53	156.27	169.59
16	157.75	166.96	159.73	159.17	156.41	169.89
17	157.87	166.77	159.70	158.78	156.53	170.22
18	157.97	166.67	159.64	158.58	156.61	170.28
19	158.30	166.57	159.49	158.38	164.29	170.26
20	158.56	166.40	159.22	158.21	166.03	170.35
21	158.70	165.66	159.04	157.80	167.36	167.90
22	158.80	165.17	158.89	157.29	167.92	164.41
23	159.23	165.02	159.04	156.93	168.17	162.64
24	158.85	164.95	159.06	156.69	168.57	161.45
25	158.95	164.78	159.12	156.78	168.96	160.70
26	158.99	164.51	.....	156.84	169.28	159.86

4--Continued.

Lowest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	158.99	164.37	163.75	156.95	169.63	158.97
28	159.09	164.24	160.93	157.05	169.76	158.40
29	164.83	164.14	160.94	.....	169.68	157.95
30	167.07	163.59	165.24	157.40	168.00	157.56
31	160.60	162.97		157.45		157.11

5 (*1019, p. 98; 1026, p. 91). Oklahoma City Water Department. SW¼SW¼SW¼ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 105 feet east of Pennsylvania Avenue, Oklahoma City. Measurements discontinued.

6 (*1019, p. 99; 1026, p. 91). Oklahoma City Water Department. SW¼SW¼SW¼ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 145 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	5.97	May 27	5.49	Aug. 21	7.70	Oct. 25	7.23
Feb. 25	5.53	June 26	5.90	29	7.66	Nov. 28	7.02
Mar. 27	5.50	July 25	6.30	Sept.27	8.08	Dec. 26	7.80
Apr. 25	5.46						

7 (*1019, p. 99; 1026, p. 91). Oklahoma City Water Department. SW¼SW¼SW¼ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 195 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1946

Jan. 31	6.13	May 27	5.69	Aug. 21	7.82	Oct. 25	7.43
Feb. 25	5.78	June 26	6.12	29	7.27	Nov. 28	7.08
Mar. 27	5.75	July 25	6.62	Sept.27	8.12	Dec. 26	6.93
Apr. 25	5.69						

8 (*1019, p. 99; 1026, p. 91). Oklahoma City Water Department. SW¼SW¼SW¼ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 55 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1946

Jan. 31	5.89	May 27	5.40	Aug. 21	7.61	Oct. 25	7.95
Feb. 25	5.44	June 20	5.71	29	8.05	Nov. 28	7.49
Mar. 27	5.40	26	5.95	Sept.27	8.94	Dec. 26	7.37
Apr. 25	5.43	July 25	6.51				

9 (*1019, p. 99; 1026, p. 91). Oklahoma City Water Department. SE. corner sec. 36, T. 12 N., R. 4 W., on northwest corner of intersection of Reno Street and May Avenue.

Water level, in feet below land-surface datum, 1946

Jan. 31	1.47	May 27	1.95	Aug. 21	3.89	Oct. 25	4.49
Feb. 25	.94	June 20	2.33	29	3.80	Nov. 28	3.88
Mar. 27	1.09	26	2.61	Sept.27	4.26	Dec. 26	3.15
Apr. 25	1.59	July 25	3.55				

10 (*1026, p. 91). Oklahoma City Water Department well 26. NE¼NE¼SE¼ sec. 17, T. 12 N., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 31	35.01	May 27	35.08	Aug. 21	35.27	Oct. 25	35.47
Feb. 25	34.90	June 26	35.00	29	35.35	Nov. 28	35.35
Mar. 30	35.14	July 25	35.22	Sept.27	35.39	Dec. 26	35.62
Apr. 25	35.06						

11 (*1026, p. 91). Oklahoma City Water Department well 27. NE¼NE¼SW¼ sec. 17, T. 12 N., R. 4 W.

11--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	10.40	May 27	10.60	Aug. 21	13.09	Oct. 25	13.35
Feb. 25	9.53	June 26	11.61	29	12.92	Nov. 28	13.11
Mar. 30	9.73	July 25	11.83	Sept.27	13.07	Dec. 26	13.43
Apr. 25	10.03						

12 (*1026, p. 92). Oklahoma City Water Department well 28. SW¼SW¼NW¼ sec. 17, T. 12 N., R. 4 W.

Water level, in feet below land-surface datum, 1946

Jan. 31	14.34	May 27	13.75	Aug. 21	15.43	Oct. 25	15.96
Feb. 25	13.44	June 26	14.25	29	15.48	Nov. 28	15.63
Mar. 30	13.59	July 25	14.58	Sept.27	15.72	Dec. 26	16.09
Apr. 25	13.49						

Payne County

1 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; 989, p. 74; 1019, p. 100; 1026, p. 92). Unknown oil company. SW¼ sec. 15, T. 19 N., R. 4 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	3.20	Apr. 27	3.03	July 28	4.10	Oct. 27	5.25
Feb. 23	2.85	May 27	3.73	Aug. 29	6.55	Nov. 30	5.40
Mar. 28	2.40	June 24	3.72	Sept.26	5.30	Dec. 27	5.20

2 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; 989, p. 74; 1019, p. 100; 1026, p. 92). J. F. Gilchrist. NW¼ sec. 36, T. 20 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	5.20	Apr. 27	4.77	July 28	5.70	Oct. 27	7.55
Feb. 23	4.64	May 27	5.24	Aug. 29	6.72	Nov. 30	7.30
Mar. 31	3.85	June 24	6.40	Sept.26	7.38	Dec. 27	7.40

3 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; 989, p. 74; 1019, p. 100; 1026, p. 92). V. D. Hesser. NW¼ sec. 23, T. 20 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	6.65	Apr. 27	5.18	July 28	6.84	Oct. 27	9.13
Feb. 23	6.25	May 27	5.94	Aug. 29	8.36	Nov. 30	9.45
Mar. 31	3.45	June 24	6.50	Sept.26	9.25	Dec. 27	9.22

4 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; 989, p. 75; 1019, p. 100; 1026, p. 92). W. O. Snyder. NW¼ sec. 2, T. 19 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	16.24	Apr. 27	16.34	July 28	18.09	Oct. 27	20.86
Feb. 23	16.00	May 27	16.86	Aug. 29	19.77	Nov. 30	20.98
Mar. 31	15.72	June 24	17.66	Sept.26	20.30	Dec. 27	20.95

7 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; 989, p. 75; 1019, p. 100; 1026, p. 92). Charles Focht. NW¼ sec. 20, T. 19 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	13.44	Apr. 27	12.78	Aug. 29	14.67	Nov. 28	17.61
Feb. 23	12.55	May 27	12.65	Sept.26	15.40	30	17.61
Mar. 28	12.43	June 24	12.60	Oct. 27	16.68	Dec. 27	17.17
31	12.43	July 28	13.25				

9 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; 989, p. 75; 1019, p. 100; 1026, p. 92). Owner unknown. SW¼ sec. 21, T. 20 N., R. 2 E.

9--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	18.50	Apr. 27	16.00	July 28	18.70	Oct. 27	20.34
Feb. 23	17.51	May 27	16.55	Aug. 29	20.04	Nov. 30	20.32
Mar. 31	14.87	June 24	17.21	Sept.26	20.31	Dec. 27	20.31

13 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; 989, p. 75; 1019, p. 100; 1026, p. 93). Erma T. Pool. SW¼ sec. 23, T. 19 N., R. 1 W.

Water level, in feet below land-surface datum, 1946

Jan. 27	23.02	Apr. 27	22.43	July 28	22.30	Oct. 27	22.18
Feb. 23	23.04	May 27	22.60	Aug. 29	22.77	Nov. 30	22.52
Mar. 31	22.83	June 24	22.75	Sept.26	22.40	Dec. 27	22.18

15 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; 989, p. 75; 1019, p. 101; 1026, p. 93). Lovell Bros. NE¼ sec. 35, T. 19 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	32.58	Apr. 27	32.12	July 28	32.90	Oct. 27	33.58
Feb. 23	32.98	May 27	32.27	Aug. 29	33.57	Nov. 30	33.85
Mar. 28	32.16	June 24	32.50	Sept.26	34.83	Dec. 27	33.63

16 (*817, p. 235; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; 989, p. 75; 1019, p. 101; 1026, p. 93). W. K. Hartman, SW¼ sec. 12, T. 18 N., R. 3 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	17.60	Apr. 27	16.20	July 28	17.70	Oct. 27	18.99
Feb. 23	16.84	May 27	16.20	Aug. 29	18.33	Nov. 30	19.06
Mar. 28	16.55	June 24	16.71	Sept.26	18.70	Dec. 27	19.10

17 (*777, p. 141; 845, p. 402; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; 989, p. 75; 1019, p. 101; 1026, p. 93). R. J. Haskett. NE¼ sec. 12, T. 19 N., R. 1 E.

Water level, in feet below land-surface datum, 1946

Jan. 25	1.15	Apr. 27	1.10	July 28	5.05	Oct. 27	4.65
Feb. 23	.35	May 27	1.95	Aug. 29	6.00	Nov. 30	2.68
Mar. 31	.10	June 24	3.58	Sept.26	4.53	Dec. 27	2.13

Texas County

40 (*840, p. 331; 845, p. 395; 886, p. 607; 909, p. 70; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 101; 1026, p. 93). August Lorenz. NE¼NW¼ sec. 6, T. 3 N., R. 17 E. Water levels, in feet below land-surface datum, 1946: May 16, 90.07; Oct. 29, 89.78.

85 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 70; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 101; 1026, p. 93). George Dean. SE¼SE¼ sec. 34, T. 4 N., R. 11 E. Measurements discontinued.

125 (*886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 101; 1026, p. 93). J. Donald Hughes. SW¼SE¼SW¼ sec. 13, T. 1 N., R. 18 E. Water levels, in feet below land-surface datum, 1946: May 22, 7.80; Oct. 27, 3.49.

130 (*886, p. 611; 909, p. 71; 939, p. 56; 949, p. 66; 989, p. 76; 1019, p. 101; 1026, p. 93). Robert Johnson. SE¼NW¼ sec. 7, T. 1 N., R. 17 E. Water levels, in feet below land-surface datum, 1946: May 22, 7.55; Oct. 30, 8.19.

138 (*886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 101; 1026, p. 93). Joe Sutton. SW¼SE¼ sec. 6, T. 1 N., R. 19 E. Water levels, in feet below land-surface datum, 1946: May 22, 9.42; Oct. 30, 6.99.

167 (*845, p. 399; 886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 101; 1026, p. 94). Owner unknown. SW¼SE¼SE¼ sec. 34, T. 2 N., R. 12 E. Measurements discontinued.

176 (*840, p. 333; 845, p. 398; 886, p. 610; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 102; 1026, p. 94). W. N. Ballinger. SW¼SW¼ sec. 18, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1946: May 17, 7.11; Oct. 26, 4.50.

182 (*845, p. 399; 886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 102; 1026, p. 94). Panhandle Agricultural and Mechanical College. NE¼NE¼SE¼ sec. 34, T. 2 N., R. 13 E. Water levels, in feet below land-surface datum, 1946: May 19, 140.63 town wells not pumping; Oct. 26, 138.69 south town well pumping.

187 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 102; 1026, p. 94). John Gill. SE¼NW¼ sec. 12, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1946: May 16, 3.04; Oct. 29, 2.45.

188 (*886, p. 610; 909, p. 71; 939, p. 56; 947, p. 66; 989, p. 76; 1019, p. 102; 1026, p. 94). Kuhn Bros. NW¼ sec. 1, T. 2 N., R. 14 E. Water levels, in feet below land-surface datum, 1946: May 19, 123.12; Oct. 25, 122.21.

228. Geological Survey, U. S. Dept. of Interior. NW¼NE¼ sec. 15, T. 2 N., R. 17 E. Driven well, diameter 1¼ inches, depth 9.5 feet, with 1¼-inch by 24-inch well point, on flood plain of Coldwater Creek. Measuring point, top of 1¼-inch casing, 1.7 feet above land-surface datum, Bench mark, brass disc in north wingwall of northwest abutment of bridge over Coldwater Creek on State Highway 3, marked "U. S. Engineer Dept., Little Rock District", 8.13 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 26, 5.01.

270 (*845, p. 397; 886, p. 609; 909, p. 71; 947, p. 66; 989, p. 76; 1019, p. 102; 1026, p. 94). Owner unknown. NW¼SW¼ sec. 7, T. 3 N., R. 11 E. No measurements made in 1946.

281 (*947, p. 67; 989, p. 77; 1019, p. 102; 1026, p. 94). C. F. Webb. Formerly owned by Lester Sparks. NW¼NW¼NE¼ sec. 5, T. 3 N., R. 11 E. Water levels, in feet below land-surface datum, 1946: May 18, 88.90; Oct. 26, 89.01.

284 (*886, p. 608; 909, p. 71; 939, p. 57; 947, p. 67; 989, p. 77; 1019, p. 102; 1026, p. 94). Paul Spradlin. NE¼NE¼NE¼ sec. 5, T. 3 N., R. 12 E. Water levels, in feet below land-surface datum, 1946: May 18, 100.89; Oct. 26, 100.81.

294 (*845, p. 396; 886, p. 608; 909, p. 72; 939, p. 57; 947, p. 67; 989, p. 77; 1019, p. 102; 1026, p. 94). Stonebraker-Zea Ranch. NW¼NW¼ sec. 25, T. 3 N., R. 13 E. Water levels, in feet below land-surface datum, 1946: May 16, 42.60; Oct. 25, 42.69.

295 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; 989, p. 77; 1019, p. 102; 1026, p. 94). E. O. Hobson. SW¼NW¼ sec. 14, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1946: May 16, 8.35; Oct. 29, 6.81.

309. Geological Survey, U. S. Dept. of Interior. SE¼NW¼ sec. 1, T. 3 N., R. 14 E., on flood plain of Goff Creek. Driven well, diameter 1¼ inches, depth 16.4 feet, with 1¼-inch by 24-inch well point. Measuring point, top of 1¼-inch casing, 1.5 feet above land-surface datum. Bench mark, cross cut in horizontal face of east wingwall of culvert about 30 feet west of well, 3.52 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 24, 9.62.

332 (*840, p. 332; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; 989, p. 77; 1019, p. 102; 1026, p. 94). Owner unknown. SW¼SE¼ sec. 17, T. 3 N., R. 15 E. Water level, in feet below land-surface datum, 1946: Oct. 29, 64.64.

350.(*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; 989, p. 77; 1019, p. 102; 1026, p. 94). C. A. Nash. NW¼NW¼ sec. 18, T. 3 N., R. 16 E. Measurements discontinued after May 16. Water level, in feet below land-surface datum, 1946: May 16, 6.86.

354 (*840, p. 332; 845, p. 398; 886, p. 609; 909, p. 72; 939, p. 57; 947, p. 67; 989, p. 77; 1019, p. 102). A. M. Fankhouser. SE¼SW¼ sec. 27, T. 6 N., R. 15 E. Measurements discontinued 1944, resumed 1946. Present measuring point, top inside edge of south block of wooden pipe clamp on west side of drop pipe, 1.05 feet above land-surface datum, 0.05 foot higher than original measuring point. Water levels, in feet below land-surface datum, 1946: May 17, 146.62; Oct. 28, 146.53.

404 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 57; 947, p. 68; 989, p. 77; 1019, p. 102; 1026, p. 95). Everett J. Ritter. NW¼NE¼ sec. 4, T. 1 N., R. 14 E. No measurements made in 1946.

406. Owner unknown. SE¼SW¼SW¼ sec. 35, T. 4 N., R. 11 E., on upland plain. Unused drilled domestic well equipped with windmill, depth 111 feet. Measuring point, top inside edge of north block of wooden pipe clamp, on west side of drop pipe, 0.6 foot above land-surface datum. Water levels, in feet below land-surface datum, 1946: May 18, 78.78; Oct. 26, 78.74.

436 (*845, p. 398; 886, p. 610; 909, p. 73; 939, p. 57, 947, p. 68; 989, p. 77; 1019, p. 103; 1026, p. 95). Leo Holtgraver. NE¼NE¼ sec. 24, T. 4 N., R. 14 E. Water level, in feet below land-surface datum, 1946: Oct. 28, 170.66.

459 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). Owner unknown. NE¼NW¼ sec. 21, T. 1 N., R. 14 E. Water level, in feet below land-surface datum, 1946: May 19, 64.15.

462. Geological Survey, U. S. Dept. of Interior. NE¼NW¼ sec. 1, T. 3 N., R. 16 E., beside Pony Creek. Driven well, diameter 1¼ inches, depth 5.8 feet, with 1¼-inch by 24-inch well point. Measuring point, top of 1¼-inch casing, 3.1 feet above land-surface datum. Bench mark, 2 nails in west side of base of 10-inch piling at northeast end of northeast wing-wall of bridge over Pony Creek, one nail flush and the other projecting, 8.51 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Oct. 26, 3.07.

487 (*845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). J. E. Friesen. SE¼SE¼ sec. 34, T. 4 N., R. 18 E. Well caved in at 60-foot level; measurements discontinued after May 16. Water level, in feet below land-surface datum, 1946: May 16, 99.22.

497 (*845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). R. M. Van Hyning. NW¼SW¼SW¼ sec. 21, T. 4 N., R. 19 E. Water levels, in feet below land-surface datum, 1946: May 16, 102.00; Oct. 29, 101.75.

530 (*840, p. 333; 845, p. 398; 886, p. 609; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). Owner unknown. NE¼NE¼ sec. 26, T. 5 N., R. 14 E. Well filled to water level. Measurements discontinued.

551 (*840, p. 332; 845, p. 396; 886, p. 608; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). Owner unknown. SW¼SW¼ sec. 19, T. 4 N., R. 13 E. Water levels, in feet below land-surface datum, 1946: May 18, 143.53; Oct. 26, 143.26.

552 (*840, p. 332; 845, p. 397; 886, p. 608; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). B. G. Manwarren. NE¼NE¼NE¼ sec. 1, T. 3 N., R. 12 E. Measurements discontinued.

589 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). George Hoferber. NW¼NW¼ sec. 34, T. 4 N., R. 17 E. Water levels, in feet below land-surface datum, 1946: May 16, 117.88; Oct. 27, 117.85.

725. Geological Survey, U. S. Dept. of Interior. SW¼SE¼ sec. 12, T. 3 N., R. 15 E., on terrace in North Canadian Valley. Driven well, diameter 1¼ inches, depth 17.9 feet with 1¼-inch by 24-inch well point. Measuring point, top of 1¼-inch casing, 3.0 feet above land-surface datum. Bench mark, 2 nails driven horizontally into base of telephone pole 6.5 feet high and 10 feet southeast of end of Champlin bill board, 1.33 feet below land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 25, 8.14; Oct. 29, 8.20.

761 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 58; 949, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). Federal Life Insurance Co., Chicago. NW¼NW¼ sec. 7, T. 3 N., R. 19 E. Water levels, in feet below land-surface datum, 1946: May 16, 104.15; Oct. 27, 102.66.

765 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59; 947, p. 68; 989, p. 78; 1019, p. 103; 1026, p. 95). O. Jolliffe. SW¼ sec. 26, T. 3 N., R. 19 E. Water levels, in feet below land-surface datum, 1946: May 16, 105.40; Oct. 29, 105.38.

770 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59; 947, p. 69; 989, p. 78; 1019, p. 103; 1026, p. 95). A. C. DeHart. SW¼NW¼ sec. 15, T. 3 N., R. 19 E. Water levels, in feet below land-surface datum, 1946: May 16, 123.04; Oct. 29, 122.84.

842 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 74; 939, p. 59; 947, p. 69; 989, p. 79; 1019, p. 103; 1026, p. 95). C. A. Rahm. NW¼NE¼ sec. 22, T. 6 N., R. 16 E. Water levels, in feet below land-surface datum, 1946: May 17, 115.95; Oct. 28, 115.68.

Tillman County

1 (*1019, p. 104; 1026, p. 96). Southwestern Cotton Substation. NW¼NE¼SE¼ sec. 25, T. 1 S., R. 19 W.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	20.72	Apr. 22	21.33	July 15	22.46	Oct. 14	22.91
14	20.64	29	21.31	22	23.46	21	22.92
21	20.70	May 6	21.53	Aug. 5 b	23.29	28	22.95
28	20.68	17	21.53	12	23.23	Nov. 4	22.88
Feb. 4	20.62	20	21.67	19 c	24.82	11	22.60
11	20.57	27	21.67	26	23.51	18	22.54
18	20.73	June 3	21.48	Sept. 2	23.35	25	22.53
25	20.57	10	21.61	9	23.39	Dec. 2	22.60
Mar. 4	20.63	17	21.73	16	23.40	9	22.55
11	20.69	24	21.93	23	23.09	16	22.28
Apr. 8 a	21.48	July 1	22.12	30	23.09	23	22.33
15	21.23	8	22.32	Oct. 7	23.05	31	22.43

a Well pumped 4½ to 10¼ hours per day on Mar. 14-16, 18-23, 25-26; and Apr. 1-6.
b Well pumped 15 to 24 hours per day on July 24-Aug. 1.
c Well pumped 20 to 24 hours per day on Aug. 14-18.

Woodward County

1 (*909, p. 74; 939, p. 59; 947, p. 69; 989, p. 79; 1019, p. 104; 1026, p. 96). Oklahoma City Water Department. NE¼NW¼ sec. 8, T. 20 N., R. 17 W.

Water level, in feet below land-surface datum, 1946

Feb. 8	3.30	May 14	3.92	July 27	(a)	Dec. 26	2.49
Apr. 18	3.19	June 20	4.89	Aug. 28	(a)		

a Dry.

2 (*909, p. 75; 939, p. 59; 947, p. 69; 989, p. 79; 1019, p. 104; 1026, p. 96). Oklahoma City Water Department. NE¼NE¼ sec. 25, T. 23 N., R. 21 W.

2--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	2.71	May 14	4.05	July 27	(a)	Dec. 26	1.80
Apr. 19	3.68	June 20	4.20	Aug. 28	4.47		

a Dry.

3 (*909, p. 75; 939, p. 59; 947, p. 69; 989, p. 79; 1019, p. 104; 1026, p. 96). Western State Hospital, Supply. NE¼NE¼ sec. 16, T. 24 N., R. 22 W. Measurements discontinued.

4. Owner unknown. NW¼NW¼SW¼ sec. 19, T. 23 N., R. 20 W. Drilled irrigation well, diameter 18 inches, depth 26.5 feet. Measuring point, northeast edge of concrete curb around well, 2.00 feet above land-surface datum. Aquifer, alluvium.

Water level, in feet below land-surface datum, 1945-46

Date	Water level	Date	Water level	Date	Water level
Sept.12, 1945	4.90	May 14, 1946	3.98	Aug. 28, 1946	5.48
Feb. 8, 1946	3.75	June 20	4.43	Oct. 31	1.35
Apr. 19	3.78				

TEXAS

By C. R. Follett

INTRODUCTION

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. The more or less periodical measuring of the water levels and artesian pressures in selected observation wells has been part of the program from the start of the study. As the ground-water investigations were extended to new areas, the observation-well program was expanded to take in the new areas, especially if there was considerable pumpage or indication that the water level was declining. The water-level program covered all or parts of about 80 counties in 1940-41. Since then the program has been reduced to measurements in 42 counties in 1946. Most of this curtailment took place in 1942 after the entrance into World War II. During 1946, 3,233 measurements were made in 1,007 wells in 42 counties.

The water-level measurements made in connection with the program prior to 1946 are published in Water-Supply Papers 777, 817, 840, 845, 886, 909, 939, 947, 989, 1019, and 1026. Several mimeographed progress reports have been issued which contain water-level measurements and discussions of the fluctuation of water levels in the Houston district and the High Plains irrigation area.

PRECIPITATION

For the purpose of summarizing climatological data, the United States Weather Bureau has divided Texas into three parts as follows: Eastern Division, comprising the area east of the 97th meridian; middle division, comprising the area between the 97th and 101st meridians; and the western division, comprising the area west of the 101st meridian.

The average yearly precipitation decreases from east to west; most of the eastern division is humid or semihumid, the western division is arid, and the middle division lies between the two. The yearly precipitation at

any given station varies widely. For example, at El Paso, in the extreme western part of the State, the average yearly precipitation from 1850 through 1946 was 9.12 inches, but ranged from 21.81 inches in 1856 to 2.22 inches in 1891. In the eastern part of the State, in Newton County, at Bon Wier (the 1946 figures for nearby Kirbyville, in Jasper County, were used because the record for Bon Wier was incomplete for 1946), the average yearly precipitation from 1941 through 1946 was 56.94 inches, but ranged from 81.02 inches in 1940 to 38.21 inches in 1925. A similar wide range occurs throughout the State.

According to the Weather Bureau's summary for the year 1945, the precipitation averaged considerably above normal in the eastern division, near normal in the middle division, and below normal in the western division. Annual amounts of precipitation ranged from 6.74 inches at El Paso, El Paso County, to 77.34 inches at Orange, Orange County. In 1946, the average precipitation was above normal in the eastern and middle divisions and below normal in the western division. The annual precipitation ranged from 6.55 inches at Presidio, Presidio County, to 98.08 inches at Anahuac, Chambers County.

SUMMARY OF CHANGES IN WATER LEVELS IN 1946

BALCONES FAULT ZONE

The observation wells in Bexar, Comal, Guadalupe, Hays, Kinney, Travis, Uvalde, Val Verde, and Williamson Counties are in the Balcones fault zone. Most of them draw water from reservoirs in the Edwards limestone, but a few draw from reservoirs in the Glen Rose limestone, Austin chalk, and shallow sands and gravels. Large springs near Comstock, Del Rio, Brackettville, San Antonio, New Braunfels, San Marcos, and Austin are supplied by the Edwards limestone. The combined maximum recorded daily discharge from these seven springs is 1,200,000,000 gallons, and their average daily yield is about 550,000,000 gallons. The Edwards limestone supplies water to irrigation wells in Bexar and Uvalde Counties, to public and industrial wells in San Antonio, and to smaller cities, farms, and ranches.

During April 1946, water-level measurements were made in most of the wells and are discussed below by counties from Del Rio to San Antonio to Austin.

Val Verde County.--In one observation well, drawing from the Edwards limestone, the water level was 0.25 foot lower in April 1946 than it was in June 1945; the April 1946 level was the lowest recorded since measurements began in 1937. The records show a continued decline in water level since December 1942, which might be attributed, in part, to pumpage at the Army Air Base at Del Rio.

Kinney County.--In eight observation wells, drawing from the Edwards limestone, the water level was higher in three wells and lower in five wells in April 1946 than in June 1945. The average water level showed a net decline of 1.00 foot. The water level in four of the wells was the lowest recorded since the measurements began in 1938. In five observation wells in the Austin chalk, the average decline in water level was 2.75 feet from June 1945 to April 1946. In four of these wells, the lowest level was observed since measurements began in 1937.

Uvalde County.--In eight observation wells, drawing from the Edwards limestone, the decline in water level ranged from 3.78 to 20.81 feet and averaged 9.09 feet between June 1945 and April 1946. In five wells, the measurements made in April 1946 were the lowest recorded since 1932. In the three wells in the Austin chalk, the decline in water level for the same period ranged from 0.77 foot to 4.5 feet and averaged 2.84 feet.

Medina County.--In six observation wells, drawing from the Edwards limestone, the decline in water level ranged from 7.66 to 16.17 feet and averaged 11.94 feet between June 1945 and April 1946.

Bexar County.--In five observation wells, drawing from the Edwards limestone, the decline in water level ranged from 5.29 to 7.28 feet and averaged 6.41 feet between June 1945 and April 1946. An automatic water-stage recorder has been maintained since 1932 on well 436 at Beverly Lodges Tourist Camp, in the northeastern part of San Antonio.

Guadalupe County.--In one observation well, probably drawing from the Edwards limestone, the water level was 5.32 feet lower in March 1946 than it was in May 1945.

Comal County.--In 12 observation wells, drawing from the Edwards limestone, the decline in water level ranged from 2.0 to 11.5 feet and averaged 5.6 feet between May 1945 and March 1946. There was a rise in water level in five of the nine wells drawing from the Glen Rose limestone, which ranged from 0.4 foot to 8.5 feet, and a decline in water level in four of the wells

which ranged from 6.5 to 95.3 feet between May 1945 and March 1946. For the same period, the water level in two wells drawing from the Pearsall formation declined 14.4 and 25.2 feet, respectively. Most of the observation wells in the Pearsall formation are now cased and the water level in them may be affected by the water in the higher horizons.

Hays County.--In seven observation wells, drawing from the Edwards limestone, the decline in water level ranged from 1.4 to 7.4 feet and averaged 3.4 feet between May 1945 and March 1946. For the same period, the water level in 10 wells, drawing from the Glen Rose limestone, rose from 0.1 foot to 21.1 feet and averaged 4.2 feet. In three wells, drawing most if not all water from the Pearsall formation, the water level rose from 1.0 foot to 13.9 feet between May 1945 and March 1946. In one well in the Austin chalk, for which there are comparable measurements for 7 months of the preceding year, the water level was 1.1 feet lower in February 1946 than it was in the same month in 1945. However, for the remainder of the year the water level rose gradually and at the end of the year it was 3.0 feet higher than it was at the beginning of the year.

Travis County.--In 16 observation wells, drawing from the Edwards limestone, the decline in water level ranged from 3.7 to 17.2 feet and averaged 12.6 feet between May 1945 and March 1946. In one observation well, drawing from the Glen Rose limestone, in which monthly measurements were made, the water level during 1946 fluctuated 2.9 feet; the higher water level occurred during April and November-December periods. In two observation wells, drawing from the Austin chalk, in which monthly measurements were made, the water level during 1946 fluctuated 10.4 feet in one and 13.1 feet in the other. The higher water level occurred during the April--May and November--December periods.

Williamson County.--In six observation wells, drawing from the Edwards limestone, the decline in water level ranged from 1.5 to 15.9 feet and averaged 10.2 feet between May 1945 and March 1946.

SOUTHWEST TEXAS

Dimmit and Zavala Counties; the Winter Garden district.--Pumping for the irrigation of vegetables and, in more recent years, citrus fruits, feed crops and cotton, has been in progress for about 30 years. About 20,000 acres was irrigated in 1937-38 according to an inventory of irrigation

wells and acreage irrigated at that time. No inventory has been made since 1937-38, but it is estimated that the pumpage and the number of acres irrigated have probably doubled. All of the irrigation wells draw from the Carrizo sand which crops out in western Dimmit County, eastern Maverick County, and western and northern Zavala County.

During the period of record, the largest decline in water level has taken place from 1941 to 1947. In the heavily pumped district east of Crystal City, the water level has declined from 55 to 75 feet during this period. During the same period, large declines in water level in other districts of the Winter Garden were as follows: La Pryor, two wells, 36 and 42.7 feet; Winter Haven, two wells, 21.2 and 50.5 feet; Carrizo Springs, two wells, 27.2 and 56.6 feet; Asherton, three wells, 17.6, 34.9, and 35.0 feet; Catarina, 6 wells, 10.1 to 44.2 feet and averaging 20.4 feet; Big Wells, two wells, 21.1 and 22.2 feet. Wells in the outcrop area showed much smaller declines.

Thirty observation wells, which draw from the Carrizo sand in the Winter Garden district in Dimmit and Zavala Counties, have comparable measurements which were made in July of 1945 and 1946. The following discussion gives the rise or decline in water level between July 1945 and July 1946.

In 14 wells in the heavily pumped areas, the decline in water level ranged from 0.6 foot to 15.3 feet, or an average decline of 6.9 feet per well. In six observation wells in the more lightly pumped areas, the maximum decline in water level recorded was 2.1 feet while the maximum rise in water level was 2.3 feet, or a net average decline of 0.5 foot per well.

In three observation wells in the Big Wells area, the water level rose from 3.4 to 5.1 feet, or an average rise of 4.4 feet per well. In seven observation wells in the outcrop areas of the Carrizo sand, the water level showed very little change; the maximum decline was 1.3 feet and the maximum rise was 0.5 foot, a net average rise of 0.2 foot per well.

SOUTHEAST TEXAS

Both surface and ground water are used to irrigate rice in Wharton, Jackson, and Matagorda Counties. The number of acres irrigated has been increasing since 1935, the rate of increase being greater since about 1940.

The average rainfall at four Weather Bureau stations in the three counties for the months of April through July was 14.37 inches in 1945 and 19.63 inches in 1946. It is estimated that the pumpage for rice irrigation was about the same in 1945 and 1946; the increase in rainfall during the growing season of 1946, amounting to 5.26 inches, offset the amount of pumped water required for irrigation. Although the acreage irrigated in 1946 increased, it probably did not require any more pumped water in 1946 than it did in 1945. Water levels reach their maximum recovery from the effect of the previous seasons pumping in the spring before the start of pumping for irrigation of the crop of the current season. Thus, the spring measurements are used for comparing the stage of the water level in the irrigation wells from year to year.

Wharton County.--In 20 observation wells of various depths and drawing from one to several sands, there was an average net decline in water level of 0.13 foot between 1945 and 1946; in 8 wells the rise in water level ranged from 0.24 foot to 2.40 feet, while in 12 wells the decline ranged from 0.04 foot to 1.68 feet. In 13 wells in which comparable measurements were made in 1938 and 1946, there was an average net rise of 0.49 foot; in 7 wells there was a decline which ranged from 0.16 foot to 5.39 feet, while in the other 6 wells, the rise ranged from 0.77 foot to 10.38 feet. Between 1943 and 1946, the water level in 20 wells declined on the average of 0.69 foot. Of the 20 wells, the water level in 5 rose from 0.13 foot to 5.38 feet, while 15 declined from 0.13 foot to 9.14 feet.

Jackson County.--In 21 observation wells of various depths and drawing from one to several sands, the water level in 20 wells declined from 0.27 foot to 3.65 feet and averaged 1.24 feet between 1945 and 1946. In 14 wells, for which comparable measurements are available for 1938 and 1946, there was an average net decline of 1.24 feet. Of these wells, the water level rose 0.03 foot to 1.01 feet in 5 wells, while it declined from 0.40 foot to 5.02 feet in 9 wells. In 19 wells, with comparable measurements for 1943 and 1946, there was an average net decline in water level of 1.35 feet.

Matagorda County.--In one of three observation wells from 326 to 590 feet deep, the water level rose 0.15 foot while in the other two it declined 0.39 foot and 1.05 feet, respectively, from 1945 to 1946. The water level in the same wells declined an average of 9.67 feet between 1938 and 1946.

Houston district.--The industrial and city wells in or near Houston and the rice irrigation wells of the Katy rice area draw water from sands whose outcrop area lies west, northwest, and north of Houston, in Harris, Fort Bend, Waller, and Montgomery Counties. About 235 observation wells in the Houston district are measured periodically at intervals varying from one month to one year. The district is divided into three general areas designated as (1) the Houston-Pasadena area, (2) the Katy rice-growing area, and (3) the outcrop area of the water-bearing sands which supply the water.

The following table gives the estimated average quantities of water, in millions of gallons a day, withdrawn by wells in the Houston, Pasadena, and Katy pumping areas in 1930, 1935, 1937, and 1939 to 1946, inclusive.

Estimated average daily withdrawal of ground water in the Houston, Pasadena, and Katy areas (in millions of gallons)a/

	1930	1935	1937	1939	1940	1941	1942	1943	1944	1945	1946
Houston Water Dept. (from city records)	26	25	25	27	29	27	31	35	40	43	51
Houston independent public-water supplies and industrial wells	14	14	16	16	17	16	18	20	21	21	21
Pasadena industrial wells	10	10	29	29	33	34	36	39	47	48	47
Total for the Houston and Pasadena areas	50	49	70	72	79	77	85	94	108	112	119
Katy irrigation wells	18	14	30	40	45	23	38	52	55	50	58
Total for the district	68	63	100	112	124	100	123	146	163	162	177

a The rice wells are pumped only during the rice-growing season from April to August, and the pumpage in the Houston and Pasadena areas, although continuous, is much heavier in the summer than it is during the remainder of the year. For convenience, the withdrawals are given as daily averages for the entire year.

Houston and Pasadena areas.--As shown in the preceding table, the pumpage was about constant from 1930 through 1935 and from 1937 through 1941 and then increased yearly through 1946. In August 1945, at the end of the war, several plants that had been producing war goods were shut down or curtailed production which reflected a corresponding decrease in pumpage. In the observation wells that are screened opposite the heavily pumped sands at Houston and Pasadena and in the area west of Houston, the average decline in water level for the spring of 1942 and the spring of 1945 was 27.5 feet. The largest average decline, amounting to 39 feet in 22 observation wells, occurred in the eastern Houston and Pasadena areas, where the increase in pumping had been the heaviest. As a result of the

decrease in pumping in the fall and winter of 1945-46, the water level declined only a small amount in 10 wells and rose considerably in 12 wells between the spring measurements in 1945 and 1946. The average net change in the 22 wells indicated a rise of 2.0 feet. The net average decline for the 22 wells in this area, therefore, amounted to 37 feet between 1942 and 1946. In the northern, central, and western parts of Houston, and in the locality west of the city, there was an average decline in water level of 7.5 feet between the spring measurements of 1945 and 1946, as compared to an average decline of 5.5 feet during the corresponding period of 1944-45. In the locality north of Houston, the water level had an average decline of 5.2 feet between 1945 and 1946, as compared with 4.2 feet between 1944 and 1945. Therefore, although there was some recovery during 1945-46 in the deeper parts of the cone of depression centering around Pasadena, the water level in the surrounding areas along the periphery of the cone continued to drop and the cone continued to expand. With renewal of pumping activity in 1946, resulting in an all-time record-breaking average pumpage of 119 million gallons a day, the decline in water level has been resumed at an accelerated rate and the spring measurements of 1947 are expected to be the lowest on record for the Houston-Pasadena area.

In the observation wells in the Houston-Pasadena area that are screened opposite the comparatively shallow (usually 400 feet or less), lightly pumped sands, the decline in water level continued during 1942-46, but at a considerably slower rate than the decline in wells in the deeper, more heavily pumped sands. In five representative wells, the declines between spring measurements in 1942 and 1946 ranged from 2.7 to 17.4 feet and averaged 11.8 feet. The decline by years occurred as follows: 1942-43, 1.8 feet; 1943-44, 3.9 feet; 1944-45, 3.8 feet; 1945-46, 2.3 feet. In three wells for which comparable measurements are available, the declines from 1931 to 1946 were 21.7, 29.9, and 31.1 feet.

In the Katy rice-growing area it is estimated that 37,530 acres was irrigated in 1946, as compared with 34,230 acres in 1945, 31,740 acres in 1944, 24,200 acres in 1940, 13,740 acres in 1937, and 8,000 acres in 1935. As shown by spring measurements, the water levels in observation wells in the Katy rice-growing area declined slowly but persistently from 1931-41. The maximum decline for the 10-year period was 20.3 feet, the minimum 5.4 feet, and the average 11.3 feet in the 12 wells for which comparable records

are available. This was at the average rate of 1.1 feet a year. Between the spring of 1941 and the spring of 1942, the water levels in 44 observation wells showed an average rise of 2.1 feet, because of the small demands for irrigation in 1941 and the unusually large amount of recharge from the heavy rains of November 1940 to October 31, 1941. In 1942-43 little net change occurred, some wells showing a slight decline and others a slight rise. From the spring of 1943 to the spring of 1946, an average decline of 3.5 feet was recorded, of which 1.6 feet occurred in 1943-44, 1.4 feet in 1944-45, and 0.5 foot in 1945-46. For the 15-year period from 1931 to 1946 the 11 wells for which comparable measurements are available showed an average decline of 13.6 feet.

From 1941 to the summer of 1946, the water level in the water-table wells in the outcrop area of the water-bearing sands, north and northwest of Houston, was from 5 to 10 feet higher than in 1938-40, and in the few wells for which comparable measurements are available the water level was as high or higher than in 1931-34. In localities affected by pumpage from nearby rice-irrigation wells, the water level declined from 5 to 15 feet during each pumping season but recovered during the winter. The water level, in general, continued to rise during the spring and early summer of 1946 as a result of the above-average rainfall during that period and the delay in the start of heavy pumping for rice irrigation. Available data indicate that during the period of record more water has been contributed to storage in the outcrop area that has moved down the dip toward the pumped areas. A large part of the recharge occurred during the abnormally wet year November 1940 to October 1941, and during periods of above-average rainfall in 1945 and the spring of 1946.

Water level in wells in the Bammel gas field area, about 18 miles north-northwest of Houston, has returned to a normal stage following an abnormal rise which began in December 1942 and continued for several months. The rise was caused by the escape of large quantities of gas into the water-bearing sands.

Galveston County.--The water level in most of the observation wells throughout Galveston County has declined persistently for a number of years because of the continued heavy pumping in the Texas City industrial area and in the Alta Loma well field of the city of Galveston. The rate of decline has decreased since 1944, and in Texas City it has become almost

stationary for the past year as the cone of depression has become flatter and larger each year.

HIGH PLAINS

In the High Plains of Texas, most of the irrigation wells are in the following 16 counties: Deaf Smith, Randall, Armstrong, Parmer, Castro, Swisher, Briscoe, Bailey, Lamb, Hale, Floyd, Hockley, Lubbock, Crosby, Terry, and Lynn.

Irrigation from wells in this region was started near Plainview, Hale County, in 1911. By 1914, about 140 irrigation wells had been drilled in the three principal districts--near Plainview, Hereford, and Muleshoe. In the 7 years from 1919 to 1926, the rainfall in most of the region was above average and comparatively little irrigation was practiced. Interest was revived during a period of 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 by leaps and bounds, and it is estimated that 2,180 wells were pumped to irrigate 250,000 acres in 1940, 4,300 wells were pumped to irrigate about 550,000 acres in 1945, and 5,500 wells were pumped to irrigate 650,000 acres in 1946.

Since 1937 water-level measurements have been made periodically in several hundred observation wells in the High Plains. Some of these wells are used for irrigation, some for domestic purposes and stock, and some are unused. Until 1940 measurements were made for the most part at intervals of 1 to 3 months. It has been 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 closely adjacent territory can be obtained by comparing water-level measurements made in successive years in the late winter or early spring before irrigation has been started. Therefore, the measurements at other times during the year have been dropped, but the late winter and spring measurements are made each year.

The following table gives a summary, by counties, of the average net changes in water level between the spring of March 1938 and February 1946 in 208 observation wells in the irrigated areas for which comparable measurements are available.

Average net changes, in feet, in water level between 1938 and 1946

County	Number of wells	Average net rise (+) or net decline (-)
Bailey	21	-0.7
Castro	9	+3.5
Crosby	5	-.3
Deaf Smith	34	+3.8
Floyd	34	+7.5
Hale	49	+5.3
Hockley	5	-2.0
Lamb	11	-2.1
Lubbock	26	-.9
Swisher	14	+4.6

The following table gives a summary, by counties, of the average net decline in water levels between February 1945 and February 1946 in 152 observation wells for which comparable measurements are available.

Average net decline, in feet, in water level between 1945 and 1946

County	Number of wells	Average decline
Bailey	11	1.4
Castro	13	1.9
Crosby	3	2.7
Deaf Smith	23	1.8
Floyd	19	2.7
Hale	26	2.0
Hockley	11	1.1
Lamb	8	1.6
Lubbock	21	1.9
Swisher	17	1.7

In 139 observation wells, in 10 counties of the High Plains, in which measurements were made in February 1945 and 1946, the water level declined on the average of 1.8 feet. The water level in nine scattered observation wells in the same counties rose from 0.1 foot to 6.2 feet during the same period.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Angelina County

(No measurements made in 1946.)

Aransas County

(No measurements made in 1946.)

Bailey County

5a (*840, p. 379; 845, p. 446; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 112; 1026, p. 107). Gus Schrader. NW¼NE¼ sec. 3, blk. Z, 10 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 62.50.

9 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 112: 1026, p. 107). Jim Ellis. NE¼NW¼ sec. 21, blk. Z, 10.5 miles west of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 39.25.

21a (*886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113; 1026, p. 107). Mrs. J. W. Gregory, Sr. NW¼NW¼ sec. 6, blk. X, 8 miles west of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 25.76.

25 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113; 1026, p. 107). C. A. Wagner. NW. corner SE¼ sec. 6, blk. Z, 8 miles west of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 23.28.

31 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 947, p. 88; *989, p. 96). J. H. Farley. NW. corner NW¼ sec. 10, blk. X, 6.5 miles west of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 17.63.

33 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1026, p. 107). Mrs. J. W. Gregory. NW. corner SW¼ sec. 12, blk. X, 7 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 32.18.

35a (*886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113; 1026, p. 107). F. O. Boone. Measurements discontinued.

36 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113; 1026, p. 107). J. M. Murrah. NE¼NW¼ sec. 23, blk. X, 4.75 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 19.41.

45 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 96; 1019, p. 113; 1026, p. 107). H. M. Schofner. NW¼SW¼ sec. 32, blk. Y, 2.25 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 20.18.

49 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 96; 1019, p. 113; 1026, p. 107). Jess Mitchell. NW. corner NE¼SE¼ sec. 33, blk. X, 3.75 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 23.14.

53 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 96; 1019, p. 113; 1026, p. 107). W. B. Gwyn, Sr. NE¼SE¼ sec. 22, blk. Y, 3.25 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 22.97.

62 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 107). Levi Churchill. NW. corner SE¼ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 23.16.

63 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 107). Sam Gorrell. No measurements made in 1946.

66 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 107). J. L. Wallace. NW. corner NE¼ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 21.28.

67 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 108). I. W. Hardin. NW. corner NE¼ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water level, in feet below land-surface datum, 1946: Feb. 28, 20.26.

69 (*840, p. 381; 845, p. 447; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 108). E. R. Hart. No measurements made in 1946.

79 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 108). D. E. Cox. No measurements made in 1946.

92 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113; 1026, p. 108). L. H. McConnell. No measurements made in 1946.

95 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114; 1026, p. 108). E. R. Hart. NW. corner NW¼ sec. 71, blk. Y, 4 miles northeast of Muleshoe. Water levels, in feet below land-surface datum, 1946: Mar. 1, 22.05; Mar. 18, 22.36; May 18, 24.8; July 18, 27.50.

108 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114; 1026, p. 108). T. L. Mounts. NW. corner SE¼NE¼ sec. 31, blk. W, 7 miles northeast of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 1, 31.20.

116 (*840, p. 381; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114; 1026, p. 108). T. L. Mounts. No measurements made in 1946.

117 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114; 1026, p. 108). H. L. Dempster. NW. corner NW¼ sec. 32, blk. W, 6 miles northeast of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 1, 32.07.

130 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114; 1026, p. 108). No measurements made in 1946.

131 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114; 1026, p. 108). R. D. Precure. NW. corner SW¼ sec. 34, blk. W, 6 miles northeast of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 1, 19.33.

132 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114; 1026, p. 108). J. A. Ryan. No measurements made in 1946.

136 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114; 1026, p. 108). C. A. Barnett. NW. corner SE¼ sec. 48, blk. W, 5.5 miles east of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 1, 14.48.

137 (*840, p. 383; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114; 1026, p. 108). J. C. Hunt. NW¼SW¼ sec. 48, blk. W, 4.75 miles east of Muleshoe.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1	13.72	May 18	14.1	Sept.18	15.5	Nov. 18	12.8
18	14.6	June 18	14.9	Oct. 18	13.0	Dec. 18	12.5
Apr. 18	14.1	July 18	14.7				

205 (*840, p. 383; 845, p. 448; 886, p. 657; 909, p. 89; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114; 1026, p. 108). Halsell Land & Cattle Co. NW¼ lab. 19, lge. 189, Ector County School land, 5 miles south and 1.5 miles west of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 2, 51.10.

207 (*840, p. 383; 845, p. 449; 886, p. 657; 909, p. 89; 939, p. 74; 947, p. 90; *989, p. 98). Mr. Whittington. SE¼ lab. 22, lge. 188, 8 miles south of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 2, 86.80.

324a (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 89; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). Foard County School land. NW¼ lab. 15, lge. 192, 9 miles south of Muleshoe. Water level, in feet below land-surface datum, 1946: Mar. 2, 93.49.

435 (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 90; 939, p. 74; 947, p. 90; *989, p. 99; 1019, p. 115; 1026, p. 109). I. C. Enochs. No measurements made in 1946.

Bexar County

15 (*777, p. 179; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 658; 909, p. 90; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115; 1026, p. 109). Robert Mechler. 6 miles east of Castroville. Water level, in feet below land-surface datum, 1946: Apr. 1, 119.78.

26 (*777, p. 181; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 659; 909, p. 90; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115; 1026, p. 109). Fuller's earth plant. 13.5 miles west of San Antonio. Water level, in feet below land-surface datum, 1946: Apr. 4, 104.84.

28 (*777, p. 181; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115; 1026, p. 109). Robert Boenig. 8 miles west of San Antonio. Water level, in feet below land-surface datum, 1946: Apr. 1, 64.46.

XB-1 (*840, p. 386; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115; 1026, p. 109). Oscar Schievelbein. 11 miles west of San Antonio. Water level, in feet below land-surface datum, 1946: Apr. 4, 120.59.

XB-2 (*840, p. 386; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115; 1026, p. 109). Oscar Bippert. No measurements made in 1946.

XB-3 (*845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115; 1026, p. 109). Beitel Church. 8 miles northeast of San Antonio. Water level, in feet below land-surface datum, 1946: Mar. 19, 52.18.

436 (*909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, pp. 115-6; 1026, p. 109). Beverly Lodges. At Beverly Lodges tourist court, in northeast part of San Antonio.

Highest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	51.17	49.52	.....	51.05	50.64	50.27	56.41	53.19	41.52	44.13	43.93
2	.....	51.27	49.83	51.16	50.68	50.30	50.57	55.64	52.72	41.41	44.10	43.95
3	.....	51.17	49.84	51.37	50.52	50.07	50.69	55.49	52.51	41.41	44.00	44.10
4	49.77	51.07	49.78	51.65	50.46	50.15	50.85	55.37	52.52	41.48	43.96	44.23
5	49.72	51.16	49.92	51.70	50.52	50.25	50.96	55.25	52.55	41.60	44.07	44.34
6	49.60	51.27	50.00	51.71	50.30	50.33	51.25	55.92	52.48	41.75	44.04	44.43
7	49.57	51.34	50.16	51.75	50.40	50.44	51.40	56.18	52.62	41.81	44.07	44.52
8	50.37	51.33	50.39	51.68	50.48	50.62	51.42	56.55	52.72	42.05	44.17	44.52
9	50.65	51.47	50.44	52.08	50.43	50.75	51.78	56.84	52.36	42.09	44.13	44.44
10	50.84	51.42	50.50	52.26	50.55	50.53	52.12	57.11	52.72	41.98	43.33	44.65
11	50.19	51.31	50.43	52.48	50.50	50.31	52.47	57.07	52.90	42.15	42.53	44.40
12	50.57	51.53	50.37	52.43	50.43	50.21	52.76	56.91	53.12	42.25	42.40	43.80
13	50.12	51.50	49.84	52.58	50.22	50.30	53.08	57.44	53.13	42.19	42.34	43.55
14	49.83	51.70	49.57	52.68	50.33	50.38	53.22	57.70	53.32	42.10	42.25	43.25
15	49.70	51.85	.....	52.44	50.45	50.51	53.20	58.08	50.55	42.25	42.25	42.97
16	49.60	51.78	.....	52.52	50.62	50.74	53.52	58.16	49.87	42.35	42.30	42.75
17	50.16	51.73	.....	52.59	50.50	50.71	53.77	58.30	49.37	42.39	42.40	42.75
18	50.37	50.70	.....	52.67	50.50	51.15	54.09	58.12	48.95	42.49	42.28	42.78
19	50.40	50.12	.....	52.82	50.29	51.38	54.30	57.89	48.76	42.55	42.50	42.76
20	50.43	49.70	.....	52.88	50.24	51.74	54.45	58.40	48.59	42.70	42.60	42.70
21	50.47	49.33	.....	52.39	50.14	51.25	54.10	58.39	48.52	42.65	42.70	42.90
22	50.72	49.09	.....	51.86	50.10	50.75	53.66	58.57	48.42	42.80	42.90	42.82
23	50.77	48.98	.....	52.04	50.16	50.25	53.83	58.74	48.44	42.91	42.95	42.75
24	50.93	48.96	.....	51.91	50.16	49.95	54.35	58.95	48.58	43.04	42.95	42.86
25	50.89	48.97	.....	51.92	50.30	49.89	54.55	58.84	48.75	43.14	42.90	42.90
26	50.84	48.71	.....	52.04	50.30	49.79	54.68	58.50	47.98	43.31	43.20	42.85
27	51.09	48.96	.....	52.00	50.24	49.85	54.93	58.85	43.25	43.41	43.40	42.90
28	50.95	49.33	.....	52.04	50.50	49.91	55.08	58.88	42.50	43.36	43.60	42.94
29	51.00		.....	51.91	50.54	50.14	55.02	57.23	41.99	43.75	43.60	43.15
30	50.97		.....	51.41	50.68	50.25	55.52	54.82	41.58	43.86	43.82	43.20
31	51.14		.....		50.63		56.13	54.03		44.00		.....
Avg.	50.41	50.64	.....	52.10	50.43	50.45	53.16	57.25	49.83	42.48	43.20	43.47

Brazoria County

10 (*1019, p. 116; 1026, p. 110). Gulf Coast & Santa Fe Railroad Co. About 200 feet north of depot at Pearland. Water level, in feet below land-surface datum, 1946: May 30, 97.54.

Brooks County

202 (*777, p. 183; 840, p. 386; 845, p. 451; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). E. C. Lasater Estate. No measurements made in 1946.

254 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 659; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). E. G. Maun. 2.5 miles northwest of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 12, 46.00.

266 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 659; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). Col. J. E. McDonald. 2 miles northwest of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 26.95. Measurements discontinued, well filled up and replaced by new well.

270 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 659; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). J. W. Story. 1 mile northwest of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 52.86.

273 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 660; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). George Franks. 1.5 miles west of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 39.76.

323 (*777, p. 184; 840, p. 387; 845, p. 451; 886, p. 660; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). Measurements discontinued.

324 (*777, p. 184; 840, p. 387; 845, p. 451; 886, p. 660; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116; 1026, p. 110). L. O. Atkinson. No measurements made in 1946.

340 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 100; 1019, p. 116; 1026, p. 110). Dr. H. M. Bennett. 2 miles south of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 19.35.

390 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 116; 1026, p. 111). Measurements discontinued.

397 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). Measurements discontinued.

405 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). A. Rupp. 5 miles east of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 39.62.

474 (*777, p. 186; 840, p. 387; 845, p. 452; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). A. Rupp. 5.5 miles southeast of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 33.10.

504 (*777, p. 187; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). Neal Rupp. 5.5 miles southeast of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 34.24.

505 (*777, p. 187; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). Neal Rupp. 5.5 miles southeast of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 37.36.

865 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). Florencio Rodriguez. No measurements made in 1946.

872 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; *989, p. 101; 1019, p. 117; 1026, p. 111). Measurements discontinued.

874 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). Measurements discontinued.

882 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; *989, p. 101; 1019, p. 117; 1026, p. 111). Measurements discontinued; well abandoned and filled in.

885 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77). Measurements discontinued.

921 (*777, p. 185; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; *989, p. 101). Measurements discontinued.

Castro County

4 (*840, p. 387; 845, p. 454; 886, p. 66; 909, p. 98; 947, p. 92; *989, p. 102; 1019, p. 117; 1026, p. 111). L. L. Cannon. No measurements made in 1946.

8 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117; 1026, p. 111). S. P. Rosson. NW. corner $SW\frac{1}{4}NW\frac{1}{4}$ sec. 125, blk. M7, 4.5 miles southeast of Summerfield. Water level, in feet below land-surface datum, 1946: Feb. 25, 75.43.

18 (*845, p. 454; 886, p. 661; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117; 1026, p. 111). Frio Public School. NE. corner $NE\frac{1}{4}$ sec. 118, blk. M7, 11.5 miles northwest of Dimmitt. Water level, in feet below land-surface datum, 1946: Feb. 27, 70.10.

20 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117; 1026, p. 112). A. C. Hawks. 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. Water level, in feet below land-surface datum, 1946: Feb. 25, 73.07.

32 (*840, p. 386; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117; 1026, p. 112). 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. Water level, in feet below land-surface datum, 1946: Feb. 25, 67.25.

36 (*845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118; 1026, p. 112). V. K. McCaskill. $SW\frac{1}{4}NE\frac{1}{4}$ sec. 72, blk. M7, 12 miles north of Dimmitt. Water level, in feet below land-surface datum, 1946: Feb. 25, 86.98.

40 (*845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118; 1026, p. 112). W. W. Adams. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 51, blk. M7, 10 miles north of Dimmitt. Water level, in feet below land-surface datum, 1946: Feb. 25, 67.12.

48 (*840, p. 388; 845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118; 1026, p. 112). J. M. Richardson. NW. corner $NW\frac{1}{4}$ sec. 30, blk. M7, 13.2 miles east of Summerfield. Water level, in feet below land-surface datum, 1946: Feb. 25, 66.20.

52 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118; 1026, p. 112). C. G. Maples. NW¼NE¼ sec. 1, blk. M10A, 6.5 miles north of Dimmitt. Water level, in feet below land-surface datum, 1946: Feb. 25, 78.75.

53 (*840, p. 388; 845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 103; 1019, p. 118; 1026, p. 112). W. A. Hunter. SW. corner SW¼NW¼ sec. 52, blk. M7, 11 miles east of Summerfield. Water level, in feet below land-surface datum, 1946: Feb. 25, 61.90.

57 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118). No measurements made in 1946.

58 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118; 1026, p. 112). Owner unknown. SW. corner SW¼ sec. 2, J. E. Tucker subdivision, 2 miles northeast of Dimmitt. Water level, in feet below land-surface datum, 1946: Feb. 27, 151.75.

201 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118; 1026, p. 112). No measurements made in 1946.

202 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118; 1026, p. 112). Frank Huseman. SW¼NW¼NE¼ sec. 222, blk. M6, 11 miles east of Dimmitt. Water level, in feet below land-surface datum, 1946: Feb. 27, 102.15.

Cochran County

1 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; 1019, p. 118; 1026, p. 112). Beck Gin Co. Northeastern edge of Whiteface. Water level, in feet below land-surface datum, 1946: Feb. 28, 149.38.

5 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; 1019, p. 118; 1026, p. 112). Dave Linder. At dugout, 8.0 miles northwest of county line at Whiteface, and 0.15 mile south of State Highway 24. Water level, in feet below land-surface datum, 1946: Feb. 28, 126.5.

10 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 93; 1019, p. 118; 1026, p. 112). John W. Lynch. No measurements made in 1946.

Comal County

117 (*886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; *989, p. 103; 1026, p. 113). Alfred Beierle. Elias Flint survey, 3.5 miles southeast of Spring Branch. Water level, in feet below land-surface datum, 1946: Mar. 20, 120.46.

118 (*886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; *989, p. 103; 1019, p. 118; 1026, p. 113). Henry Jonas Estate. A. H. Jonas survey 78, 3 miles northwest of Smithson Valley. Water level, in feet below land-surface datum, 1946: Mar. 20, 92.61.

119 (*886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; *989, p. 103; 1019, p. 119; 1026, p. 113). John Stricker. 4 miles southeast of Spring Branch. Water level, in feet below land-surface datum, 1946: Mar. 20, 162.75.

120 (*886, p. 663; 909, p. 101; 939, p. 79; 947, p. 93; *989, p. 103; 1019, p. 119; 1026, p. 113). S. L. Gill. 2 miles south of Spring Branch. Water level, in feet below land-surface datum, 1946: Mar. 20, 72.64.

131 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 103; 1019, p. 119; 1026, p. 113). J. J. Arrechea. 5.5 miles south of Spring Branch. Water level, in feet below land-surface datum, 1946: Mar. 20, 108.68.

155 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 103; 1019, p. 119; 1026, p. 113). George Fromme. 4.5 miles north of Bulverde. Water level, in feet below land-surface datum, 1946: Mar. 20, 113.1.

162 (*909, p. 101; 939, p. 80; 947, p. 94; *989, p. 103; 1019, p. 119; 1026, p. 113). H. Conrads. 10.5 miles northeast of Bulverde. Water level, in feet below land-surface datum, 1946: Mar. 19, 134.4.

171 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). Mrs. Mattie Shelburne. 3 miles northeast of Bulverde. Water level, in feet below land-surface datum, 1946: Mar. 20, 224.55.

183 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 104; 1026, p. 113). August Wehe. In Bulverde. Water level, in feet below land-surface datum, 1946: Mar. 20, 217.14.

184 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). Charles Willig. 1.5 miles east of Bulverde. Water level, in feet below land-surface datum, 1946: Mar. 20, 183.4.

221 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). Albert Simon. 4 miles north of New Braunfels. Water level, in feet below land-surface datum, 1946: Mar. 19, 161.94.

222 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). William Kraft. 4 miles northwest of New Braunfels. Water level, in feet below land-surface datum, 1946: Mar. 19, 175.3.

223 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). Albert Kraft. 4.5 miles northwest of New Braunfels. Water level, in feet below land-surface datum, 1946: Mar. 19, 209.08.

225 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). W. H. Harborth Estate. 4 miles northwest of New Braunfels. Water level, in feet below land-surface datum, 1946: Mar. 19, 171.99.

232 (*886, p. 664; 909, p. 103; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119; 1026, p. 113). A. J. Caldwell. 8 miles northwest of New Braunfels. Water level, in feet below land-surface datum, 1946: Mar. 19, 168.0.

271 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). Albert Wallhoefer. 1.5 miles northeast of Gruene station. Water level, in feet below land-surface datum, 1946: Mar. 20, 88.48.

274 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). Charles Soechting. 3 miles northeast of Gruene station. Water level, in feet below land-surface datum, 1946: Mar. 20, 149.42.

278 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). Nancy Gruene. 2.5 miles southwest of Hunter. Water level, in feet below land-surface datum, 1946: Mar. 20, 146.94.

291 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). Oscar Preiss. 1.1 miles southeast of Thornhill School. Water level, in feet below land-surface datum, 1946: Mar. 20, 52.01.

326 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). William Schaeffer. 3.5 miles southeast of Solms. Water level, in feet below land-surface datum, 1946: Mar. 19, 32.98.

336 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). A. W. Felch. 1.5 miles southwest of Solms. Water level, in feet below land-surface datum, 1946: Mar. 19, 83.70.

373 (*840, p. 391; 845, p. 458; 886, p. 665; 909, p. 104; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120; 1026, p. 114). L. Jentsch. 1 mile east of Solms. Water level, in feet below land-surface datum, 1946: Mar. 19, 22.24.

399 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 95; *989, p. 106; 1019, p. 120; 1026, p. 114). John Karback. 1.3 miles north of Gruene. Water level, in feet below land-surface datum, 1946: Mar. 20, 171.42.

588 (*947, p. 95; *989, p. 106; 1019, p. 120; 1026, p. 114). No measurements made in 1946.

Crosby County

1 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 947, p. 96; *989, p. 106; 1019, p. 120; 1026, p. 114). J. T. Vaughan. In Cone, at store and filling station, on east side of street, 1 block south of school. Water level, in feet below land-surface datum, 1946: Feb. 27, 112.97.

2 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 947, p. 96; *989, p. 106; 1019, p. 121; 1026, p. 114). No measurements made in 1946.

3 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121; 1026, p. 114). New Home School. NW. corner NW¼. S. M. Walker Survey. Water level, in feet below land-surface datum, 1946: Feb. 27, 136.06.

4 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121; 1026, p. 114). W. H. Watts. No measurements made in 1946.

7 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121; 1026, p. 114). B. F. Lackey. In Ralls, on north side of U. S. Highway 62, 3 miles west of its junction with State Highway 207. Water level, in feet below land-surface datum, 1946: Feb. 27, 94.80.

9 (*840, p. 393, 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121; 1026, p. 115). Dallas Stock Land Bank. On east edge of Lorenzo, 1 block north of U. S. Highway 62, on east side of road. Water level, in feet below land-surface datum, 1946: Feb. 27, 78.31.

Dawson County

(Measurements discontinued.)

Deaf Smith County

113 (*840, p. 398; 845, p. 462; 886, p. 671; 909, p. 109; 939, p. 84; 947, p. 97; *989, p. 108; 1019, p. 122; 1026, p. 116). A. S. Higgins. NW. corner NW¼ sec. 58, blk. K4, 12.5 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 101.40.

150 (*845, p. 462; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 97; *989, p. 108; 1019, p. 123; 1026, p. 116). D. Thompson. NE¼SE¼SE¼ sec. 79, blk. K4, 10.5 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 98.70.

205 (*845, p. 463; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). Hilland Ricketts. NW¼NW¼ sec. 50, blk. K3, 2 miles east of State Highway 51, 9.5 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 86.52.

207 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). Charles B. Miles. NW¼NW¼ sec. 12, blk. K3. Water level, in feet below land-surface datum, 1946: Feb. 22, 55.75.

212 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). Alfred May. NE¼NW¼ sec. 16, blk. 3. Water level, in feet below land-surface datum, 1946: Feb. 22, 74.95.

216 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). C. C. Stewart. SW. corner SE¼ sec. 14, blk. 3, 13 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 68.40.

217 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). W. E. Neal. SE¼NW¼ sec. 21, blk. 3, 13 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 89.55.

219 (*845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). J. E. Menz. NW. corner NE¼NW¼ sec. 11, blk. 3, 14 miles northeast from Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 76.57.

220 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123; 1026, p. 116). C. T. Wimberly. SW. corner SW¼ sec. 22, blk. 3, 11.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 89.30.

224 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123; 1026, p. 117). A. T. Fry. SE. corner NE¼SE¼ sec. 25, blk. 3, 10 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 57.85.

226 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123; 1026, p. 117). J. B. Stoker. NW. corner NW¼NE¼ sec. 7, blk. K3, 9 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 50.93.

230 (*840, p. 398; 845, p. 463; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123; 1026, p. 117). E. C. Reineaur. NW. corner SW¼ sec. 6, blk. K3, 7.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 21, 44.77.

234 (*840, p. 399; 845, p. 463; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123; 1026, p. 117). L. A. Smith. Sec. 534, excess acreage strip, 7.75 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 52.40.

235 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989. p. 109; 1019, p. 123; 1026, p. 117). Lewis A. Smith. SW¼SE¼ sec. 5, blk. K3, 7 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 21, 52.20.

236 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; * 89, p. 109; 1019, p. 123; 1026, p. 117). Western National Bank. SW. corner SW¼ sec. 5, blk. K3, 6.4 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 21, 49.50.

237 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123; 1026, p. 117). Western National Bank. NW. corner NW¼ sec. 5, blk. K3, 7 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 21, 44.45.

241 (*840, p. 399; 845, p. 464 ; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 124; 1026, p. 117). J. K. Estes. NW. corner NW¼NW¼ sec. 17, blk. K3, 5.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 21, 49.67.

242 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 124; 1026, p. 117). Travis Damron. NW. corner SW¼ sec. 24, blk. K3, 4.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 50.35.

245 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 99; *989, p. 109; 1019, p. 124; 1026, p. 117). E. F. Plank. SW. corner NW¼NW¼ sec. 25, blk. K3, 5.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 51.68.

247 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 99; *989, p. 109; 1019, p. 124; 1026, p. 117). R. R. Lindsey. NE¼NE¼ sec. 34, blk. K3, 7.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 22, 25.10.

251 (*840, p. 400; 845, p. 464; 886, p. 678; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 117). R. R. Lindsey. NW. corner SW¼NW¼ sec. 47, blk. K3, 6.5 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 58.83.

258 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 117). Dr. G. W. Heard. SW. corner NE¼ sec. 77, blk. K3, 3 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 62.00.

261 (*840, p. 400; 845, p. 465; 886, p. 672; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 117). D. L. McDonald. NW. corner NW¼SW¼ sec. 65, blk. K3, 4 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 57.90.

265 (*840, p. 400; 845, p. 465; 886, p. 672; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). Reinauer Bros. NW. corner SE¼ sec. 74, blk. K3, 6 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 69.49.

272 (*840, p. 401; 845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). J. L. Hoffman. SW. corner SE¼SW¼ sec. 86, blk. K3, 5 miles northwest of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 76.10.

281 (*845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). Jerry Keith. NW. corner NW¼ sec. 96, blk. K3, 5.5 miles northwest of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 73.84.

283 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). J. T. Gilbreath. North line of NW¼NE¼ sec. 133, blk. M7, 3 miles west of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 26, 64.85.

288 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). John W. Kropff. NW¼NW¼ sec. 63, blk. K3, 2.5 miles north of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 70.55.

291 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). Roy T. Slagle. NW. corner NW¼ sec. 59, blk. K3, 1 mile northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 62.12.

300 (*840, p. 401; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). Ayres Estate. SW¼SW¼ sec. 43, blk. K3, 2 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 51.85.

301 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124; 1026, p. 118). C. Phillips. SE¼SE¼ sec. 43, blk. K3, 2.6 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 23, 50.30.

302 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 111; 1019, p. 124; 1026, p. 118). F. G. Collier. NE¼SE¼ sec. 38, blk. K3, 4 miles northeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 21, 53.25.

311 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 118). H. H. Boardman. SW¼SE¼SW¼ sec. 41, blk. K3, 2 miles east of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 28, 50.30.

315 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 118). William Woulff. SW¼NE¼ sec. 67, blk. M7, 3.5 miles east of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 28, 56.40.

322 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 118). Dr. G. W. Heard. SW. corner SE¼ sec. 112, blk. M7, 2.5 miles south of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 26, 80.85.

326 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; 1026, p. 118). Frank J. Knabe. SW¼SW¼ sec. 114, blk. M7. Water level, in feet below land-surface datum, 1946: Feb. 28, 98.60.

331 (*840, p. 403; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 119). Owen Andrews. SW. corner NW¼ sec. 107, blk. M7, 4 miles south of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 28, 79.78.

336 (*840, p. 403; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 119). George M. Clingan. SW. corner NE¼ sec. 86, blk. M7, 3.5 miles southeast of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 28, 90.80.

340 (*845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). Felix Urbancsyk. SW¼SW¼ sec. 108, blk. M7, 3.75 miles south of Hereford. Water level, in feet below land-surface datum, 1946: Mar. 2, 81.05.

342 (*845, p. 467; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 119). Felix Urbancsyk. No measurements made in 1946.

431 (*840, p. 403; 845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 119). S. J. Barclay. NE¼NE¼ sec. 152, blk. M7, 4.5 miles southwest of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 26, 71.45.

502 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87; 937, p. 100; *989, p. 111; 1019, p. 125; 1026, p. 119). Carl H. Schroeder. NW¼NW¼ sec. 50, blk. K8, 8.5 miles west of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 26, 100.75.

506 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 112; 1019, p. 125; 1026, p. 119). Alton Fraser. NW¼NW¼ sec. 5, Gregg County school land, 9.2 miles west of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 26, 78.35.

513 (*845, p. 468; 886, p. 673; 909, p. 112; 947, p. 100; *989, p. 112; 1019, p. 125; 1026, p. 119). A. E. Acton. SW¼SW¼ sec. 174, blk. M7, 7.5 miles southwest of Hereford. Water level, in feet below land-surface datum, 1946: Feb. 26, 81.20.

514 (*845, p. 468; 886, p. 473; *989, p. 112; 1019, p. 125; 1026, p. 119). B. A. Achley. SW¼SW¼ sec. 173, blk. M7, 0.5 mile north of Summerfield. Water level, in feet below land-surface datum, 1946: Feb. 26, 106.30.

Dimmit County

M9-9 (*777, p. 187; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 112; 1026, p. 119). Mr. Myers. 2.5 miles southwest of Cometa. Water level, in feet below land-surface datum, 1946: July 12, 87.34.

N7-34 (*777, p. 187; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 87; 947, p. 101; *989, p. 112; 1019, p. 126; 1026, p. 119). Byrd Cattle Co. 2 miles northwest of Winter Haven. Water level, in feet below land-surface datum, 1946: July 12, 64.53.

N7-48 (*777, p. 188; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 87; 947, p. 101; *989, p. 112; 1026, p. 119). H. Hagelstein. No measurements made in 1946.

N7-78 (*777, p. 188; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 88; 947, p. 101; *989, p. 112; 1019, p. 126; 1026, p. 119). C. Schmitt. 3 miles west of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 12, 109.49.

N7-95 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 88; 947, p. 101; *989, p. 112; 1019, p. 126; 1026, p. 119). M. E. Cook. 3 miles west of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 10, 75.98.

N7-125 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 88; 947, p. 101; *989, p. 112; 1019, p. 126; 1026, p. 120). J. Gardner. In Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 9, 69.39.

N7-135 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 112; 1019, p. 126; 1026, p. 120); J. L. Bell. 2 miles southwest of Carrizo Springs. Water levels, in feet below land-surface datum, 1946: July 10, 34.12.

N8-26 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126; 1026, p. 120). George C. Riha. 4 miles southeast of Winter Haven. Water level, in feet below land-surface datum, 1946: July 11, 74.07.

N8-28 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126; 1026, p. 120). G. W. Weston. 4 miles southeast of Winter Haven. Water level, in feet below land-surface datum, 1946: July 10, 72.74.

N8-40 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126; 1026, p. 120). John Stahl. 3 miles northeast of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 11, 80.90.

N8-47 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126; 1026, p. 120). C. W. Miller. 2 miles east of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 9, 104.50.

N8-58 (*777, p. 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126; 1026, p. 120). G. Denton Estate. 6 miles northeast of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 9, 55.23.

N8-103 (*777, p. 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1026, p. 120). Nueces Land & Irrigation Co. 4 miles southwest of Brundage. Water level, in feet below land-surface datum, 1946: July 11, 39.80.

N9-8 (*777, p. 193; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 102; *989, p. 113; 1026, p. 120). T. S. Buchanan. No measurements made in 1946.

N9-12 (*777, p. 193; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 102; *989, p. 113; 1026, p. 120). Federal Land Bank. No measurements made in 1946.

N9-16 (*777, p. 193; 840, p. 404; 909, p. 113; 947, p. 102; *989, p. 113; 1019, p. 126; 1026, p. 120). Boyd Bros. 1.5 miles east of Big Wells. Water level, in feet below land-surface datum, 1946: July 9, 72.27.

N9-25 (*777, p. 193; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 113; 947, p. 102; *989, p. 113; 1019, p. 127; 1026, p. 120). Order of Calenthia. 4 miles southeast of Brundage. Water level, in feet below land-surface datum, 1946: July 11, 24.97.

N9-32 (*777, p. 193; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; *989, p. 112; 1026, p. 120). P. J. Lewis. No measurements made in 1946.

N9-33 (*909, p. 114; 939, p. 88; 947, p. 102; *989, p. 113; 1019, p. 127; 1026, p. 120). P. J. Lewis. 2.5 miles south of Big Wells. Water level, in feet below land-surface datum, 1946: July 11, 35.12.

07-3 (*777, p. 194; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 120). G. W. Hatch. 9 miles northwest of Big Wells. Water level, in feet below land-surface datum, 1946: July 9, 105.88.

S1-15 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 121). Central Securities Co. 6 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 9, 57.24.

S1-16 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 121). C. W. Gilfillam & Son. 4.5 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 10, 61.52.

S1-18 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 121). Central Securities Co. 3.5 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 9, 107.93.

S2-24 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1026, p. 121). L. V. Richardson. 5.5 miles southeast of Carrizo Springs. Water level, in feet below land-surface datum, 1946: July 10, 120.01.

S2-27 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 675; 909, p. 114; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 121). J. A. McDonald. 3.5 miles northeast of Asherton. Water level, in feet below land-surface datum, 1946: July 11, 68.66.

S2-29 (*777, p. 196; 840, p. 405; 845, p. 469; 886, p. 675; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1026, p. 121). E. W. Tackett. No measurements made in 1946.

S2-78 (*777, p. 196; 840, p. 405; 845, p. 469; 886, p. 675; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127). J. W. Robinson. 2.5 miles southwest of Asherton. Water level, in feet below land-surface datum, 1946: July 10, 176.47.

S2-94 (*777, p. 197; 840, p. 405; 845, p. 470; 909, p. 114; 939, p. 89; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 121). Catarina Farms Co. 9 miles west of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 193.04.

S2-102 (*777, p. 197; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 114; 939, p. 89; 947, p. 102; *989, p. 114; 1019, p. 127; 1026, p. 121). William H. McKinney. 4 miles northwest of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 112.45.

S3-10 (*777, p. 197; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 114; 939, p. 89; 947, p. 103; *989, p. 114; 1019, p. 127; 1026, p. 121). Catarina Farms Co. 4.5 miles northeast of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 88.67.

S3-16 (*909, p. 114; 939, p. 89; 947, p. 103; *989, p. 114; 1026, p. 121). Catarina Farms Co. 2.5 miles west of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 143.62.

S5-3 (*777, p. 197; 840, p. 405; 845, p. 470; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 127; 1026, p. 121). Catarina Farms Co. 6 miles west of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 140.40.

S5-5 (*777, p. 198; 840, p. 405; 845, p. 470; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 128; 1026, p. 121). Dolph Briscoe. 13 miles southwest of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 80.03.

S5-10 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 947, p. 103; *989, p. 115; 1019, p. 128; 1026, p. 121). Catarina Farms Co. 5 miles southwest of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 97.27.

S6-4 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 128; 1026, p. 121). O. V. Ray. 1.5 miles southeast of Catarina. Water level, in feet below land-surface datum, 1946: July 10, 20.62.

T1-5 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 128; 1026, p. 122). Bob Graves. 2.25 miles east of Valley Wells. Water level, in feet below land-surface datum, 1946: July 10, 17.48.

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55 (*776, p. 96; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). L. N. Garcia. No measurements made in 1946.

61 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). Jose M. Sepulvida. No measurements made in 1946.

69 (*776, p. 98; 777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). Juan Peralez. No measurements made in 1946.

70 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). M. Cantu. No measurements made in 1946.

71 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). Helena de Pena. No measurements made in 1945.

72 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). Cecilio Valerio. Measurements discontinued.

73 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886. p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1026, p. 122). Severo Ranjel. No measurements made in 1946.

143 (*776, p. 102; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 116; 1026, p. 122). Salidonia Ruiz. No measurements made in 1946.

144 (*776, p. 102; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116; 1026, p. 122). Pete Coronado. No measurements made in 1946.

145 (*776, p. 102; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116; 1026, p. 122). T. Ramirez. No measurements made in 1946.

157 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116; 1026, p. 122). Measurements discontinued.

158 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116; 1026, p. 122). Mareas Gomez. No measurements made in 1946.

173 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116; 1026, p. 122). Ismael Garcia Estate. No measurements made in 1946.

175 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116; 1026, p. 123). Mrs. Tom Cavenaugh. No measurements made in 1946.

183 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 116; 939, p. 90; 989, p. 116; 1026, p. 123). Lazaro Vela. No measurements made in 1946.

184 (*776, p. 106; *777, p. 200; 840, p. 406; 845, p. 471; 886, p. 675; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Eusebio Alanis. No measurements made in 1946.

185 (*776, p. 106; *777, p. 200; 840, p. 406; 845, p. 471; 886, p. 675; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Cervando Saenz. No measurements made in 1946.

187 (*776, p. 106; *777, p. 200; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Measurements discontinued.

188 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Encarnacion Pena. No measurements made in 1946.

189 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Pedro Lopez. No measurements made in 1946.

190 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Margarita Lopez. No measurements made in 1946.

201 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116; 1026, p. 123). Maria Villareal de Saenz. 1.25 miles north of Santa Cruz. Water level, in feet below land-surface datum, 1946: Mar. 13, 73.01.

203 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 123). N. E. Martinez. In Santa Cruz. Water level, in feet below land-surface datum, 1946; Mar. 13. 59.74.

204 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 123). Hilario Saenz. 1 mile south of Santa Cruz. Water level, in feet below land-surface datum, 1946: Mar. 12, 73.14.

207 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 123). Measurements discontinued.

209 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Measurements discontinued.

211 (*776, p. 106; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). J. Perez. No measurements made in 1946.

230 (*776, p. 108; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 123). San Antonio Loan & Trust Co. No measurements made in 1946.

240 (*776, p. 108; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 124). Gus Minges. No measurements made in 1946.

271 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 124). J. Mann. No measurements made in 1946.

276 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 124). Hermann Dammier. No measurements made in 1946.

287 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 124). Virginia J. Ramirez. No measurements made in 1946.

289 (*777, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117; 1026, p. 124). Adolfo Garcia. No measurements made in 1946.

290 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 909, p. 116; 939, p. 91; *989, p. 117; 1026, p. 124). Andalasia Garcia. No measurements made in 1946.

292 (*776, p. 110; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 91; *989, p. 117; 1026, p. 124). Raphael Flores. No measurements made in 1946.

297 (*776, p. 110; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 91; *989, p. 117; 1026, p. 124). San Antonio Loan & Trust Co. No measurements made in 1946.

301 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 81; *989, p. 118; 1026, p. 124). Virginia Garcia. No measurements made in 1946.

302 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 81; *989, p. 118; 1026, p. 124). Rafael Garcia. No measurements made in 1946.

304 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 117; 939, p. 91; 989, p. 118; 1026, p. 124). Rafael Garcia. No measurements made in 1946.

315 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 939, p. 91; *989, p. 118; 1026, p. 124). Reuben Schultz. 6.75 miles southwest of Santa Cruz. Water level, in feet below land-surface datum, 1946: Mar. 12, 44.14.

319 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 939, p. 91; *989, p. 118; 1026, p. 124). San Antonio Loan & Trust Co. 5.25 miles southeast of Santa Cruz. Water level, in feet below land-surface datum, 1946: Mar. 12, 41.13.

322 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 117; 939, p. 91; *989, p. 118; 1026, p. 124). Santona Jinojosa. No measurements made in 1946.

325 (*777, p. 112). Val Stockton. 3 miles east of La Copita. Used drilled stock well, diameter 5 inches, depth 295 feet. Measuring point, top of concrete block, 0.5 foot above land-surface datum. Equipped with windmill.

Water level, in feet below land-surface datum, 1932, 1943-46

Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1932	36.55	Mar. 4, 1944	41.86	Feb. 14, 1946	45.02
Nov. 9, 1943	42.01	Mar. 8, 1945	43.59		

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8 (*817, p. 331; 840, p. 408; 845, p. 473; 886, p. 678; 909, p. 119; 939, p. 91; 947, p. 103; *989, p. 118; 1019, p. 128; 1026, p. 125). El Paso Electric Co. well 4. At Santa Fe and Fourth Streets. Water level, in feet below land-surface datum, 1946: Aug. 30, 21.98.

9 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 91; 947, p. 103; *989, p. 118; 1019, p. 128; 1026, p. 125). El Paso Electric Co. well 3. No measurements made in 1946.

10 (*845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92; 947, p. 103; *989, p. 118; 1019, p. 128; 1026, p. 125). City of El Paso drainage well. At Fourth and Oregon Streets. Water levels, in feet below land-surface datum, 1946: Jan. 16, 13.66; July 29, 17.67.

12 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92; 947, p. 103; *989, p. 118; 1019, p. 128; 1026, p. 125). City of Juarez well 1. No measurements made in 1946.

13 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92; 947, p. 103; *989, p. 118). Measurements discontinued.

18 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 128; 1026, p. 125). City of Juarez well 3. No measurements made in 1946.

19 (*817, p. 332; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 119; 1026, p. 125). El Paso Milling Co. At Kansas and Eleventh Streets. Water levels, in feet below land-surface datum, 1946: Jan. 16, 18.79; July 29, 18.54.

21 (*817, p. 332; 840, p. 409; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129; 1026, p. 125). City of El Paso well 10. At Campbell and Sixth Streets.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 16	22.84	July 29	23.28	Oct. 30	23.12
Feb. 26	23.30	Aug. 30	23.63		

28 (*817, p. 332; 840, p. 409; 845, p. 475; 886, p. 679; 909, p. 120; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129; 1026, p. 125). Acme Laundry. No measurements made in 1946.

29a (*909, p. 120; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129; 1026, p. 125). Consumers Ice & Fuel Co. well 2. At Cotton and Dallas Streets.

Water level, in feet below land-surface datum, 1946

Jan. 16	50.50	July 29	40.15	Oct. 30	35.24
Feb. 26	50.23	Aug. 29	46.46		

30a (*845, p. 475; *886, p. 679; 909, p. 120; 939, p. 93; 947, p. 104; *989, p. 119; 1019, p. 129; 1026, p. 125). City of El Paso well 14. At San Antonio and Walnut Streets.

Water level, in feet below land-surface datum, 1946

Jan. 16	63.09	July 29	36.47	Oct. 30	30.70
Feb. 26	62.75	Aug. 29	39.69		

32a (*886, p. 679; 909, p. 120; 939, p. 93; 947, p. 104; *989, p. 119; 1019, p. 129; 1026, p. 126). City of El Paso well 17. At San Antonio and Tornillo Streets.

Water level, in feet below land-surface datum, 1946

Jan. 16	69.46	July 29	37.24	Oct. 30	33.24
Feb. 26	71.37	Aug. 29	41.64		

39 (*817, p. 333; 840, p. 409; 845, p. 475; 886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 129; 1026, p. 126). Midwest Dairies, Inc. No measurements made in 1946.

40 (*817, p. 333; 840, p. 409; 845, p. 475; 886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120). Measurements discontinued.

42 (*817, p. 334; 840, p. 410; 845, p. 475; 886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1026, p. 126). City of El Paso well 9. At Luna and Pera Streets. Water levels, in feet below land-surface datum, 1946: Jan. 16, 75.20; Feb. 26, 76.72; Aug. 29, 40.60; Oct. 30, 30.52.

44 (*817, p. 334; 840, p. 410; 845, p. 476; 886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130). Measurements discontinued.

48a (*909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130; 1026, p. 126). City of El Paso well 18. In Hadlock Addition.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 16	32.29	July 29	37.54	Oct. 30	32.44
Feb. 26	33.65	Aug. 29	40.22		

48b (*909, p. 122; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130; 1026, p. 126). City of El Paso test well 33. Near Franklin Canal.

Water level, in feet below land-surface datum, 1946

Jan. 16	22.80	July 29	24.81	Oct. 30	22.66
Feb. 26	23.76	Aug. 29	27.50		

49 (*840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 93; 947, p. 105; *989, p. 121; 1019, p. 130; 1026, p. 126). City of El Paso well 4. In Montana well field. Water levels, in feet below land-surface datum, 1946: Jan. 24, 75.40; Feb. 26, 76.32.

50 (*840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 94; 947, p. 105; *989, p. 121; 1019, p. 130; 1026, p. 126). City of El Paso well 1. In Montana well field.

Water level, in feet below land-surface datum, 1946

Jan. 24	92.35	July 29	104.25	Oct. 29	100.85
Feb. 26	93.91	Aug. 29	107.04		

51 (*817, p. 334; 840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 94; 947, p. 105; *989, p. 121; 1019, p. 130; 1026, p. 126). City of El Paso well 2. In Montana well field.

Water level, in feet below land-surface datum, 1946

Jan. 24	102.31	July 29	116.43	Oct. 29	113.35
Feb. 26	103.70	Aug. 29	119.50		

52 (*817, p. 334; 840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 121; 1019, p. 131; 1026, p. 127). City of El Paso well 3. In Montana well field. Water level, in feet below land-surface datum, 1946: Jan. 24, 111.22.

53 (*817, p. 335; 840, p. 410; 845, p. 476; 886, p. 681; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 121; 1019, p. 131; 1026, p. 127). Loretto College. At Clifton and Raynolds Streets. Water levels, in feet below land-surface datum, 1946: Jan. 24, 138.56; July 29, 148.13; Aug. 29, 150.66; Oct. 29, 145.34.

55 (*817, p. 335; 840, p. 411; 845, p. 476; 886, p. 681; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 121; 1019, p. 131; 1026, p. 127). The Texas Co. 0.6 mile northeast of Ascarate. Water level, in feet below land-surface datum, 1946: Oct. 30, 50.36.

58 (*989, p. 121; 1019, p. 131). Measurements discontinued.

59 (*947, p. 106; *989, p. 122; 1019, p. 131; 1026, p. 127). Phelps-Dodge Refining Corporation well 1. No measurements made in 1946.

59a (*947, p. 106; *989, p. 122; 1019, p. 131; 1026, p. 127). Phelps-Dodge Refining Corporation well 2. No measurements made in 1946.

64 (*817, p. 335; 840, p. 411; 845, p. 477; 886, p. 681; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 122; 1019, p. 131; 1026, p. 127). City of El Paso and Geological Survey test well 1. On Carlsbad Highway.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 24	266.18	July 30	266.63	Oct. 29	266.87
Feb. 28	266.20	Aug. 29	266.65		

67b (*845, p. 477; 886, p. 681; 909, p. 123; 939, p. 94; 947, p. 106; *989, p. 122; 1019, p. 131; 1026, p. 127). Texas & New Orleans Railroad Co. well 3. No measurements made in 1946.

72 (*817, p. 335; 840, p. 411; 845, p. 477; 886, p. 681; 909, p. 123; 939, p. 94; 947, p. 107; *989, p. 122; 1019, p. 132; 1026, p. 127). U. S. War Dept. No measurements made in 1946.

75b (*845, p. 477; 886, p. 681; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 122; 1019, p. 132; 1026, p. 127). City of El Paso test well 10. 0.6 mile south of Wilson Road and 0.6 mile west of Airport Road.

Water level, in feet below land-surface datum, 1946

Jan. 24	215.91	July 30	217.64	Oct. 29	217.13
Feb. 27	215.60	Aug. 29	217.75		

75d (*909, p. 123; 939, p. 95; 947, p. 107; *989, p. 122; 1019, p. 132). Measurements discontinued.

76 (*817, p. 336; 840, p. 411; 845, p. 478; 886, p. 681; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 122; 1019, p. 132; 1026, p. 127). City of El Paso and Geological Survey test well 2. Near southeast corner of Biggs Field.

Water level, in feet below land-surface datum, 1946

Jan. 24	245.26	July 30	247.80	Oct. 29	247.04
Feb. 28	244.97	Aug. 29	247.73		

77 (*817, p. 336; 840, p. 411; 845, p. 478; 886, p. 681; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132; 1026, p. 128). City of El Paso well 12. In Mesa well field.

Water level, in feet below land-surface datum, 1946

Jan. 24	219.89	July 30	230.28	Oct. 29	224.49
Feb. 28	219.77	Aug. 29	229.10		

77b (*845, p. 478; 886, p. 681; 909, p. 123; 939, p. 94; 947, p. 107; *989, p. 123; 1019, p. 132; 1026, p. 128). No measurements made in 1946.

78 (*886, p. 682; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 123). Measurements discontinued.

78c (*845, p. 478; 886, p. 682; 909, p. 124; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132; 1026, p. 128). City of El Paso test well 4. 1 mile north of city well 11.

Water level, in feet below land-surface datum, 1946

Jan. 25	196.42	July 30	197.06	Oct. 29	197.21
Feb. 27	196.49	Aug. 29	197.20		

79 (*845, p. 478; 886, p. 682; 909, p. 124; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso well 8. No measurements made in 1946.

82a (*939, p. 93; 947, p. 107; *989, p. 123; 1019, p. 132; 1026, p. 128). City of El Paso test well 20. No measurements made in 1946.

112 (*817, p. 336; 840, p. 412; 845, p. 479; 886, p. 682; 909, p. 124; 939, p. 95; 947, p. 108; *989, p. 123; 1019, p. 133; 1026, p. 128). City of El Paso old Mesa well 32. In Mesa well field. Water levels, in feet below land-surface datum, 1946: Jan. 24, 212.67; Feb. 28, 212.25; Oct. 29, 211.81.

128b (*939, p. 96; 947, p. 108; *989, p. 123; 1019, p. 133; 1026, p. 128). City of El Paso well 21. 2 miles north of Mesa well field. Water levels, in feet below land-surface datum, 1946: Jan. 25, 244.73; Feb. 27, 244.59; July 30, 246.59.

128c (*886, p. 682; 909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133; 1026, p. 128). City of El Paso well 23. 2.5 miles north of Mesa well field.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 25	201.27	July 30	201.82	Oct. 29	202.05
Feb. 27	201.28	Aug. 29	202.02		

130 (*840, p. 412; 845, p. 479; 909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133; 1026, p. 128). G. T. Cook. No measurements made in 1946.

136 (*817, p. 339; 840, p. 412; 845, p. 479; 886, p. 682; 909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133; 1026, p. 128). City of El Paso and Geological Survey test well 3. 6.9 miles north of Wilson Road.

Water level, in feet below land-surface datum, 1946

Jan. 26	247.21	July 30	247.35	Oct. 29	247.50
Feb. 27	246.86	Aug. 29	247.39		

139a (*909, p. 125; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133; 1026, p. 128). City of El Paso test well 30. No measurements made in 1946.

143a (*909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133; 1026, p. 129). City of El Paso test well 29. No measurements made in 1946.

160 (*947, p. 109; *989, p. 124; 1019, p. 134). Measurements discontinued.

166 (*947, p. 109; *989, p. 124; 1019, p. 134). Measurements discontinued.

Floyd County

5 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 124; 1019, p. 134; 1026, p. 129). M. C. Scheele. SW. corner $SE\frac{1}{4}$ sec. 127, blk. D2, 11 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 55.65.

14 (*840, p. 413; 845, p. 480; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 124; 1019, p. 134; 1026, p. 129). Herman R. King. $SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$ sec. 5, blk. C9, 10 miles north of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 61.10.

32 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1026, p. 129). Frank Whitfill. $NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$ sec. 12, blk. C9, 9 miles north of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 92.50.

57 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). T. L. Wilhite. NE¼NW¼ sec. 87, blk. D2, 7.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 66.69.

106 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Texas Land & Development Co. SW¼NE¼NW¼ sec. 65, blk. D2, 6 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 63.32.

108 (*845; p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Texas Land & Development Co. NW. corner SE¼ sec. 65, blk. D2, 6.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 63.46.

111 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Texas Land & Development Co. SW¼SW¼SW¼ sec. 65, blk. D2, 6.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 59.28.

112 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Texas Land & Development Co. No measurements made in 1946.

120 (*845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Francis Carthel. NW. corner NW¼ sec. 1, blk. D5, 4.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 67.17.

124 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Rosa Lee Carthel. No measurements made in 1946.

139 (*840, p. 414; 845, p. 481; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Texas Land & Development Co. SE. corner SE¼ sec. 2, blk. D5, 3 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 75.26.

140 (*845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134; 1026, p. 129). Texas Land & Development Co. SW¼NE¼ sec. 2, blk. D5, 3.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 67.92.

143 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 125; 1019, p. 134; 1026, p. 130). Plainview-Lockney Farms. SE¼NW¼SW¼ sec. 8, blk. D5, 5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 72.89.

150 (*840, p. 414; 845, p. 481; 886, p. 684; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 125; 1019, p. 135; 1026, p. 130). Mollie S. Gholson. NW. corner NW¼ sec. 14, blk. D5, 7 miles northwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 51.01.

153 (*840, p. 415; 845, p. 481; 886, p. 684; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 125; 1019, p. 135; 1026, p. 130). E. C. Morrow. SW. corner NW¼ sec. 15, blk. D5, 6.5 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 61.10.

157 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). Texas Land & Development Co. NW. corner NE¼ sec. 10, blk. D5, 6 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 65.06.

161 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 97; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). Texas Land & Development Co. SW. corner NE¼ sec. 10, blk. D5, 5.5 miles west of Lockney, 0.5 mile northwest of Aiken. Water level, in feet below land-surface datum, 1946: Feb. 26, 71.90.

326 (*947, p. 111; *989, p. 126; 1026, p. 130). W. C. Sims. NW¼NW¼ sec. 68, blk. 1, 2 miles east of Floydada. Water level, in feet below land-surface datum, 1946: Feb. 27, 147.57.

409 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 97; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). Texas Land & Development Co. NW¼NW¼NW¼ sec. 24, blk. N, 5 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 62.39.

410 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). W. C. McGrede. SW. corner W½ sec. 44, blk. D6, 5.5 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 56.21.

414 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). Mrs. Harriet B. Robbins. No measurements made in 1946.

416 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). John Spears. NW. corner NE¼ sec. 46, blk. D6, 4.5 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 74.30.

421 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). J. R. Belt. NW. corner NW¼ sec. 48, blk. D6, 3.5 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 73.37.

428 (*845, p. 483; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135; 1026, p. 130). Texas Land & Development Co. NW. corner F. Griggs survey, 3.5 miles southwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 59.88.

435 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 126; 1026, p. 130). Home Owners' Loan Corporation. Center of L. C. Reed survey, at crossing of Burlington & Santa Fe Railways, in southwest part of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 75.74.

436 (*840, p. 416; 845, p. 483; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 126; 1019, p. 135; 1026, p. 130). Owner unknown. On south side of U. S. Highway 70, 400 feet southeast of railroad depot in Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 58.53.

437 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 135; 1026, p. 131). Lockney Oil Mill Co. On north side of Panhandle & Santa Fe Railway. Water level, in feet below land-surface datum, 1946: Feb. 26, 58.92.

439 (*845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 135; 1026, p. 131). O. J. Schacht. No measurements made in 1946.

441 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). Federal Land Bank. NW. corner NW¼ sec. 50, blk. D3, 2 miles northeast of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 66.38.

442 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). Solon Clements. NW¼SW¼NW¼ sec. 51, blk. D3, 2 miles east of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 26, 36.05.

446 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). W. J. King. NE¼SE¼NE¼ sec. 68, blk. G, 2.5 miles southeast of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 45.76.

459 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 128; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). Texas Land & Development Co. SW. corner M. Y. Price Survey, 5.5 miles southwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 59.69.

463 (*840, p. 417; 909, p. 128; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). Texas Land & Development Co. NW. corner NW¼ sec. 14, blk. N, 6 miles west of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 58.00.

467 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). C. J. Barnard. NW¼SW¼SW¼ sec. 3, blk. N, 8 miles southwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 42.92.

472 (*845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). Texas Land & Development Co. NW. corner J. K. Andrews Survey, 5.5 miles southwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 54.49.

486 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). Mrs. M. E. Morris. SE¼NE¼SE¼ sec. 53, blk. G, 5.5 miles southeast of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 33.67.

509 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). S. H. Boon. No measurements made in 1946.

510 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136; 1026, p. 131). W. R. Crow. North end of J. R. Powell survey, 8 miles southwest of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 49.49.

519 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 128; 1019, p. 136; 1026, p. 131). J. L. Faulkner. NE. corner SW¼ sec. 44, blk. G, 7.5 miles west of Floydada. Water level, in feet below land-surface datum, 1946: Feb. 27, 54.68.

523 (*909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 136; 1026, p. 131). C. F. Harris. NE¼NW¼ sec. 41, blk. G, 7.5 miles northwest of Floydada. Water level, in feet below land-surface datum, 1946: Feb. 27, 64.92.

525 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 136; 1026, p. 132). W. Fry. NW¼NW¼NW¼ sec. 52, blk. G, 5.5 miles south of Lockney. Water level, in feet below land-surface datum, 1946: Feb. 27, 40.62.

528 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 136; 1026, p. 132). Mrs. Maude Hollums. SW. corner SW¼ sec. 82, blk. G, 5 miles northwest of Floydada. No measurements made in 1946.

529 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 947, p. 113; *989, p. 128; 1019, p. 136; 1026, p. 132). Panhandle & Santa Fe Railway. SW. corner SE¼NE¼ sec. 63, blk. 1, 2 miles northwest of Floydada. Water level, in feet below land-surface datum, 1946: Feb. 27, 110.51.

533 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1026, p. 132). Martin heirs. No measurements made in 1946.

562 (*840, p. 418; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1026, p. 132). H. W. Carver. NW¼ J. A. Huckabee survey, 7 miles south of Floydada. Water level, in feet below land-surface datum, 1946: Feb. 27, 133.76.

603 (*840, p. 418; 845, p. 485; 886, p. 686; 909, p. 129; 939, p. 99; 947, p. 113; 989, p. 128; 1026, p. 132). Gladys Fox. No measurements made in 1946.

Fort Bend County

7 (*889-C, p. 253; *909, p. 129; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137; 1026, p. 132). Owner's well 1. C. C. Cardiff. 4 miles southwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 21, 61.55.

11 (*889-C, p. 253; *909, p. 129; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137; 1026, p. 132). Owner's well 3. P. V. Cook. 1.75 miles southwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 21, 54.29.

15 (*889-C, p. 254; *909, p. 130; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137; 1026, p. 132). Owner's well 1. P. V. Cook. 3.25 miles southwest of Katy. Water levels, in feet below land-surface datum, 1946: Mar. 21, 68.94; Mar. 29, 68.91.

17 (*889-C, p. 254; *989, p. 129; 1019, p. 137; 1026, p. 132). Mrs. H. L. Gordon. 5 miles south of Katy. Water level, in feet below land-surface datum, 1946: Mar. 29, 54.91.

20 (*889-C, p. 254; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137; 1026, p. 132). L. Pauli. 5.75 miles southeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 29, 39.42.

21 (*889-C, p. 254; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137; 1026, p. 132). L. Pauli. 6 miles south of Katy. Water level, in feet below land-surface datum, 1946: Mar. 29, 44.81.

26 (*889-C, p. 254; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137; 1026, p. 132). Owner's well 1. C. Pillot. 10 miles southeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 29, 29.03.

29 (*889-C, p. 255; *989, p. 129; 1019, p. 137; 1026, p. 132). Owner's well 2. C. Pillot. 9 miles southeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 29, 31.24.

30 (*889-C, p. 255; *989, p. 129; 1019, p. 137; 1026, p. 133). Owner's well 2. B. Ray Woods. 6.5 miles southwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 21, 64.80.

33 (*889-C, p. 255; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137; 1026, p. 133). Earl McMillian. 3.5 miles southwest of Katy. Water levels, in feet below land-surface datum, 1946: Mar. 28, 63.24.

75 (*889-C, p. 257; *909, p. 131; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137; 1026, p. 133). Gulf Pipe Line Co. 10 miles southeast of Sugarland. Water levels, in feet below land-surface datum, 1946: Jan. 18, 68.55; July 19, 71.49; Sept. 16, 75.09; Dec. 13, 74.36.

76 (*889-C, p. 257; *909, p. 131; 939, p. 100; 947, p. 114; *989, p. 130; 1019, p. 137; 1026, p. 133). Owner unknown. About 0.5 mile west of Blue Ridge State Prison. Water levels, in feet below land-surface datum, 1946: Jan. 18, 39.38; May 1, 39.37; Sept. 16, 45.13; Dec. 13, 41.24.

77. Ansel and Brinkman. 2 miles north of Blue Ridge State Prison. Used drilled rice irrigation well, diameter 18 to 12 inches, casing slotted at 240-440 and 550-800 feet. Measuring point top of casing, 1.0 foot above land-surface datum. Equipped with deep-well turbine pump and 100 horsepower electric motor. Water levels, in feet below land-surface datum: Apr. 9, 1945, 48.0; Jan. 18, 1946, 55.01.

Gaines County

(No measurements made in 1946.)

Galveston County

3 (*777, p. 204; 840, p. 420; 886, p. 688; 909, p. 132; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 137; 1026, p. 133). Mrs. A. Voss. 5.75 miles west of League City. Water level, in feet below land-surface datum, 1946: May 30, 25.21. Measurements discontinued.

16 (*886, p. 686; 909, p. 133; 939, p. 101; *989, p. 130; 1019, p. 138). Cecil Brown. No measurements made in 1946.

28 (*777, p. 204; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138; 1026, p. 133). Galveston, Houston & Henderson Railroad. In League City. Water levels, in feet below land-surface datum, 1946: May 30, 79.82; Oct. 23, 82.42.

42 (*886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138; 1026, p. 133). J. Freund. In Kemah. Water level, in feet below land-surface datum, 1946: June 3, 58.77.

112 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138; 1026, p. 133). Galveston, Houston & Henderson Railroad. No measurements made in 1946.

113 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138; 1026, p. 133). Measurements discontinued.

115 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138; 1026, p. 133). J. W. Palmer. 6 miles northeast of Alta Loma. Water levels, in feet below land-surface datum, 1946: June 5, 63.25; Oct. 24, 64.74.

142 (*886, p. 689; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138; 1026, p. 133). Measurements discontinued.

244 (*886, p. 689; 909, p. 134; 939, p. 101; 947, p. 115; *989, p. 130; 1019, p. 138; 1026, p. 133). Stone Oil Co. In Texas City. Water levels, in feet below land-surface datum, 1946: June 4, 145.33; Oct. 30, 153.25.

295 (*886, p. 689; 909, p. 134; 939, p. 101; *989, p. 131; 1019, p. 138). Atchison, Topeka & Santa Fe Railway Co. In Hitchcock. Water level, in feet below land-surface datum, 1946: June 6, 86.20.

381 (*886, p. 689; 909, p. 134; 939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 138; 1026, p. 134). Stewart Production Co. 3 miles southeast of Hitchcock. Water levels, in feet below land-surface datum, 1946: June 6, 80.83; Oct. 25, 81.89.

688 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 138). City of Galveston test well 1. In Alta Loma. Water levels, in feet below land-surface datum: May 16, 1945, 104.63; June 7, 1946, 110.41; Oct. 28, 1946, 108.93.

689 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, pp. 138-9). City of Galveston test well 2. 2.5 miles northeast of Alta Loma.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	95.9	96.5	96.3	96.9	97.4	97.9	98.7
2	95.9	96.5	96.3	96.9	97.4	98.0	98.8
3	95.9	96.5	96.3	96.9	97.4	98.0	98.8
4	95.9	96.5	96.3	96.9	97.4	98.0	98.9
5	95.9	96.5	96.3	96.9	97.4	98.0	98.9
6	95.9	96.5	96.3	97.0	97.4	98.0	99.0

689--Continued.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
7	95.9	96.5	96.1	97.0	97.4	98.0	99.0
8	96.0	96.5	96.1	97.0	97.4	98.0	99.0
9	96.1	96.5	96.1	97.0	97.4	98.1	99.0
10	96.1	96.4	96.1	96.9	97.4	98.1	99.0
11	96.1	96.4	96.1	97.0	97.4	98.2	99.0
12	96.1	96.5	96.1	97.0	97.4	98.2	99.0
13	96.1	96.4	96.1	97.0	97.4	98.2	99.0
14	96.1	96.4	96.2	97.1	97.4	98.2	98.8
15	96.1	96.4	96.3	97.1	97.4	98.2	98.7
16	96.2	96.4	96.3	97.1	97.5	98.2	98.7
17	96.2	96.4	96.2	97.2	97.5	98.3	98.7
18	96.2	96.3	96.2	97.2	97.5	98.3	98.8
19	96.2	96.3	96.8	97.2	97.5	98.4	98.8
20	96.2	96.3	96.8	97.2	97.6	98.4	98.8
21	96.2	96.3	96.8	97.2	97.6	98.4	98.8
22	96.3	96.3	96.8	97.2	97.6	98.4	98.9
23	96.4	96.3	96.8	97.2	97.7	98.4	98.9
24	96.4	96.3	96.8	97.2	97.7	98.4	98.9
25	96.3	96.3	96.8	97.2	97.7	98.4	99.0
26	96.4	96.3	96.8	97.3	97.7	98.4	....
27	96.4	96.3	96.8	97.3	97.7	98.4	....
28	96.4	96.3	96.9	97.3	97.8	98.5	....
29	96.4	....	96.9	97.4	97.8	98.5	....
30	96.5		96.9	97.4	97.8	98.7	....
31	96.5		96.9		97.9		....

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 1	100.1	Aug. 18	100.4	Sept. 4	100.3	Sept.21	100.3
2	100.1	19	100.4	5	100.3	22	100.3
3	100.1	20	100.5	6	100.3	23	100.3
4	100.1	21	100.5	7	100.3	24	100.3
5	100.2	22	100.5	8	100.3	25	100.3
6	100.2	23	100.5	9	100.3	26	100.3
7	100.2	24	100.5	10	100.4	Oct. 25	100.4
8	100.3	25	100.5	11	100.4	26	100.4
9	100.3	26	100.6	12	100.4	27	100.4
10	100.3	27	100.6	13	100.4	28	100.5
11	100.4	28	100.5	14	100.4	29	100.5
12	100.4	29	100.5	15	100.4	30	100.6
13	100.4	30	100.5	16	100.4	31	100.6
14	100.4	31	100.5	17	100.4	Nov. 1	100.6
15	100.4	Sept. 1	100.3	18	100.4	2	100.6
16	100.4	2	100.3	19	100.3	3	100.6
17	100.4	3	100.3	20	100.3	4	100.5

692 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 139; 1026, p. 134). Carbide & Carbon Chemical Co. 3 miles southwest of Texas City. Water levels, in feet below land-surface datum, 1946: June 4, 99.02; Oct. 29, 99.45.

Guadalupe County

316 (*840, p. 422; 845, p. 489; 886, p. 690; 909, p. 135; 939, p. 102; 947, p. 115; *989, p. 131; 1019, p. 139; 1026, p. 134). Alvin Fresinhahn. Formerly owned by Joe Gleitz. 400 feet north of U. S. Highway 81, 0.1 mile east of Guadalupe-Bexar County line. Water level, in feet below land-surface datum, 1946: Mar. 19, 107.57.

Hale County

11 (*840, p. 422; 845, p. 490; 886, p. 690; 909, p. 136; 939, p. 102; 947, p. 115; *989, p. 131; 1019, p. 139; 1026, p. 134). S. C. Hutchinson. No measurements made in 1946.

15 (*939, p. 102; 947, p. 115; *989, p. 131; 1019, p. 139; 1026, p. 134). S. C. Hutchinson. SW¼SW¼ sec. 4, blk. S1, 15 miles northwest of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 25, 60.19.

16a (*947, p. 115; *989, p. 131; 1019, p. 139). L. W. Guthrie. NW¼NE¼ sec. 8, blk. S1, 15 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 26, 50.37.

17a (*947, p. 116; *989, p. 131; 1019, p. 139). L. W. Guthrie. NW¼NW¼ sec. 6, blk. S1, 15.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 25, 60.76.

36 (*840, p. 423; 845, p. 490; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 131; 1019, p. 139; 1026, p. 134). G. D. Lewellen. SW¼NE¼ sec. 18, blk. 06, 12.5 miles northwest of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 25, 79.38.

103 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 139; 1026, p. 134). Carl Meyer. NE¼SE¼ sec. 8, blk. C4, 16 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 25, 47.91.

105 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 134). Texas Land & Development Co. NW¼SW¼ sec. 27, blk. S1, 14 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 25, 52.94.

115 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 134). H. L. Gunter. Measurements discontinued.

123 (*840, p. 424; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 134). L. C. Wayland. NW¼NE¼ sec. 24, blk. JK, 11 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 26, 65.46.

124b (*947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 135). Lester James. SW¼SW¼ sec. 4, blk. JK 4, 9.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 26, 75.79.

125 (*840, p. 424; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1026, p. 135). E. E. Clark. SE¼SW¼ sec. 1, blk, JK4, 10 miles northwest of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 26, 85.23.

202 (*840, p. 424; 845, p. 491; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 135). Texas Land & Development Co. NW¼NE¼ sec. 20, blk. C3, 17 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 68.52.

206 (*840, p. 424; 845, p. 491; 886, p. 691; 909, p. 136; 939, p. 103; 947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 135). Texas Land & Development Co. Just east of Richard William survey, 18 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 74.21.

208 (*845, p. 491; 886, p. 691; 909, p. 136; 939, p. 103; 947, p. 116; *989, p. 132; 1026, p. 135). Texas Land & Development Co. SW¼ J. P. Lattimore survey, 17.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 68.67.

210 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 136; 939, p. 103; 947, p. 116; *989, p. 132; 1019, p. 140; 1026, p. 135). Texas Land & Development Co. NW¼ D. R. McVicker survey, 18.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 69.84.

212 (*845, p. 491; 886, p. 692; 909, p. 136; 939, p. 103; 947, p. 117; *989, p. 132; 1019, p. 140; 1026, p. 135). Texas Land & Development Co. West center of D. R. McVicker strip, west of sec. 55, blk. M14, 18 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 66.09.

220 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 132; 1019, p. 140; 1026, p. 135). Texas Land & Development Co. No measurements made in 1946.

223 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140; 1026, p. 135). Texas Land & Development Co. NW¼SE¼ sec. 18, blk. C 3, 14.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 56.34.

232 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; *989, p. 133; 1019, p. 140; 1026, p. 135). Dick Carter. NW¼NW¼ sec. 1, blk. JK3, 13.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 66.85.

238 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140; 1026, p. 135). Dr. McKinley Howell. SE¼SW¼ sec. 8, blk. JK3, 13.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 26, 52.56.

246 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140; 1026, p. 135). Owner unknown. NE¼NE¼ sec. 34, blk. JK2, 12 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 26, 57.63.

255 (*840, p. 426; 845, p. 492; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140; 1026, p. 135). G. H. Slaton. SE¼NW¼ sec. 15, blk. JK2, 10 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 24.26.

256 (*840, p. 426; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140; 1026, p. 135). Measurements discontinued.

259 (*840, p. 426; 845, p. 492; 886, p. 693; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 141; 1026, p. 136). C. J. Ebeling. NW¼SE¼ sec. 3, blk. JK2, 9 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 24.93.

263 (*840, p. 426; 845, p. 492; 886, p. 693; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 141; 1026, p. 136). Measurements discontinued.

305 (*845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 117; *989, p. 133; 1019, p. 141; 1026, p. 136). Texas Land & Development Co. On strip land, 0.55 mile east of SW. corner sec. 54, blk. M14, 18.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 23, 69.65.

307 (*845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 117; *989, p. 133; 1019, p. 141; 1026, p. 136). Texas Land & Development Co. On strip land, 0.3 mile east of SW. corner sec. 53, blk. M14, 19 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 67.83.

314a (*947, p. 117; *989, p. 133; 1026, p. 136). Willard White. NW¼NW¼ sec. 14, blk. JK3, 17 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 53.12.

316 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). Texas Land & Development Co. NW¼ S. D. Lemaster survey, 17.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 54.79.

317 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). Texas Land & Development Co. NE¼ J. F. Owens survey, 18.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 56.10.

330 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). George White. NE¼ J. M. Martin survey, 16.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 50.25.

338 (*840, p. 427; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). Dr. J. H. Stewart. NW¼SE¼ sec. 110, blk. D2, 20 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 51.53.

357 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). G. D. Lewellen. SE¼SW¼ sec. 8, blk. D6, 14.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 5, 44.27.

370 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). D. A. Reading. SE¼SE¼ sec. 5, blk. D4, 14.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 27, 48.67.

402 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). N. R. Johnson. SW¼NE¼ sec. 40, blk. JK2, 11 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 28.12.

422 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). Mrs. J. B. Long. No measurements made in 1946.

427 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 136). C. M. Smith. NW¼NW¼ sec. 17, blk. D5, 17.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 52.92.

428 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 137). C. M. Smith. SW¼SW¼ sec. 17, blk. D5, 17 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 52.05.

433a (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 134; 1019, p. 141; 1026, p. 137). Lizzie B. Morris. SW. corner of west 186 acres in sec. 37, blk. D6, 15 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 25.96.

434 (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 134; 1019, p. 142). Texas Land & Development Co. SW. corner SE¼NE¼ sec. 33, blk. D6, 14.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 51.46.

435 (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 135; 1019, p. 142; 1026, p. 137). Texas Land & Development Co. No measurements made in 1946.

436 (*840, p. 429; 845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 135; 1019, p. 142; 1026, p. 137). Texas Land & Development Co. NW¼SW¼ sec. 33, blk. D6, 13.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 58.85.

449 (*849, p. 430; 845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). W. S. Messick. NW¼NE¼ sec. 10, blk. D7, 8 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 62.67.

454 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 139; 939, p. 105; *989, p. 135; 1019, p. 142; 1026, p. 137). B. F. Smith. NW¼NE¼ sec. 21, blk. N., 16.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 56.76.

462 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). R. E. Keniston. NE¼SW¼ sec. 16, blk. N, 16 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 47.74.

463 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). R. E. Keniston. SW¼SW¼ sec. 16, blk. N, 16 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 41.24.

467 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). M. E. Courtney. NW¼NE¼ sec. 25, blk. N, 13.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 38.67.

470 (*840, p. 431; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). M. H. Neer. NW¼NW¼ sec. 25, blk. D7, 11 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 31.79.

477 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). C. J. Jagelky. NW¼NW¼ sec. 22, blk. D7, 8 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Feb. 28, 36.78.

508 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). Mrs. J. H. Slaton. SW. corner sec. 8, blk. JK2, 7.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 6, 51.54.

510 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 137). R. E. Walker. NE¼NE¼ sec. 9, blk. JK2, 9 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 6, 40.88.

511 (*840, p. 431; 845, p. 497; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142; 1026, p. 138). Dr. J. Anderson. NW¼NW¼ sec. 28, blk. JK2, 10 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 6, 26.28.

539 (*845, p. 497; 886, p. 696; 909, p. 140; 939, p. 106; 947, p. 119; *989, p. 136; 1019, p. 142; 1026, p. 138). Fred Rastetter. SE. corner SE¼ sec. 29, blk. A, 3.25 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 61.19.

547 (*840, p. 432; 845, p. 497; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 119; *989, p. 136; 1019, p. 143; 1026, p. 138). O. C. McClain. NW¼NW¼ sec. 40, blk. A1, 7 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 54.88.

552 (*840, p. 432; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143; 1026, p. 138). H. S. Dunaway. NE¼NW¼ sec. 6, blk. A1, 4 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 62.30.

553 (*840, p. 432; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143; 1026, p. 138). Texas Land & Development Co. NW¼NE¼ sec. 6, blk. A1, 4.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 57.62.

564 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143; 1026, p. 138). T. F. Mounts. NW¼SW¼ sec. 20, blk. A1, 2 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 58.67.

567 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143; 1026, p. 138). J. B. Maxey. SW¼SW¼ sec. 19, blk. A1, 1.25 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 54.86.

569 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143; 1026, p. 138). O. C. Sanders. SW¼SW¼ sec. 3, blk. A1, 1 mile southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 57.82.

720b (*845, p. 499; 886, p. 698; 939, p. 106; 947, p. 120; *989, p. 137; 1026, p. 138). P. R. Caraway. NE¼NE¼NE¼ sec. 27, Sabine County school land, 17 miles southwest of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 13.56.

736b (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 106; 947, p. 120; *989, p. 137; 1019, p. 143; 1026, p. 138). Measurements discontinued.

816 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 170; 947, p. 120; *989, p. 137; 1019, p. 143; 1026, p. 138). A. M. Eason. SE¼SE¼ sec. 18, blk. R, 9.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 54.88.

825 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 120; *989, p. 137; 1019, p. 143; 1026, p. 138). Mathilda Akeson. NW¼NW¼ sec. 18, blk. A4, 3.25 miles north of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 5, 66.68.

828 (*886, p. 698; 909, p. 142; 939, p. 107; 947, p. 120; *989, p. 137; 1019, p. 143; 1026, p. 138). G. W. Bigler. NW¼NE¼ sec. 33, blk. A4, 5 miles south of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 5, 74.87.

834 (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 143; 1026, p. 138). R. E. Sikes. NE¼SE¼ sec. 64, blk. A4, 8.5 miles south of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 5, 78.24.

837 (*845, p. 500; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144; 1026, p. 139). F. L. Hunsickar. NW¼NW¼ sec. 54, blk. A4, 8 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 12, 61.97.

840 (*845, p. 500; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1026, p. 139). Debb McLaughlin. NE¼SE¼ sec. 12, blk. R, 12 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 12, 59.82.

852 (*845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144; 1026, p. 139). Abernathy Cemetery. SW¼SE¼ sec. 2, blk. X, 15 miles south of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 116.25.

859 (*886, p. 600; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144; 1026, p. 139). L. Ragland. NW¼SE¼SE¼ sec. 22, blk. C1, 15.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 76.16.

906 (*840, p. 434; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144; 1026, p. 139). Floyd Reagan. SW¼SE¼ sec. 59, blk. R, 14 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 40.15.

923 (*840, p. 434; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144; 1026, p. 139). D. C. Bayley. NW¼NW¼ sec. 28, blk. R, 9.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 49.71.

936 (*840, p. 435; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144; 1026, p. 139). B. E. Porter. NW¼NW¼ C. K. Andrews survey, east of sec. 38, blk. R, 14 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 48.76.

946 (*886, p. 699; 909, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144; 1026, p. 139). B. E. Porter. SE¼SE¼ C. K. Andrews survey, east of sec. 38, blk. R, 14.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 61.30.

956 (*845, p. 500; 886, p. 699; 909, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144; 1026, p. 139). J. W. Heard. SW¼NW¼ sec. 7, blk. R, 11.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 64.89.

958 (*840, p. 435; 845, p. 500; 886, p. 699; 909, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144; 1026, p. 139). W. C. Sewell. SW¼NW¼ sec. 9, blk. R, 12 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 1, 57.15.

971 (*886, p. 699; 909, p. 143; 939, p. 108; 947, p. 121; *989, p. 138; 1019, p. 144; 1026, p. 139). L. S. Claitor. NW. corner NW¼ sec. 15, blk. CL, 17.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1946: Mar. 2, 59.91.

Harris County

6a (*777, p. 206; 840, p. 437; 886, p. 700; 909, p. 144; 939, p. 108; 947, p. 122; *989, p. 138; 1019, p. 144; 1026, p. 139). C. H. Burton. At east edge of Waller.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	3.57	July 9	4.52	Dec. 18	4.62
May 21	4.42	Sept.18	8.64		

11 (*777, p. 206; 840, p. 437; 845, p. 501; 886, p. 700; *889-C, p. 175; 909, p. 144; 947, p. 122; *989, p. 138; 1019, p. 144; 1026, p. 139). J. A. Hafner. 2.25 miles southeast of Waller.

Water level, in feet below land-surface datum, 1946

Jan. 17	43.44	July 9	43.16	Dec. 18	42.85
May 21	43.28	Sept.18	45.11		

14 (*886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 108; 947, p. 122; *989, p. 138; 1019, p. 144; 1026, p. 140). J. A. Hafner. 1.75 miles east of Waller.

Water level, in feet below land-surface datum, 1946

Jan. 17	54.91	July 9	61.36	Dec. 18	55.79
May 21	54.59	Sept.18	66.48		

31 (*777, p. 206; 840, p. 437; 845, p. 501; 886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 108; 947, p. 122; *989, p. 138; 1019, p. 145; 1026, p. 140). R. L. Burton. 4 miles southeast of Waller.

Water level, in feet below land-surface datum, 1946

Jan. 17	46.64	July 9	59.32	Dec. 18	46.78
May 21	47.23	Sept.18	71.51		

33 (*886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 109; 947, p. 122; *989, p. 139; 1019, p. 145; 1026, p. 140). W. C. Neeley. In Hockley.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	1.48	July 9	26.53	Dec. 18	13.56
May 21	11.98	Sept.18	36.18		

35 (*777, p. 207; 840, p. 437; 845, p. 501; 886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 109; 947, p. 122; *989, p. 139; 1019, p. 145; 1026, p. 140). Dr. A. N. Boyd. 6.25 miles southeast of Waller.

Water level, in feet below land-surface datum, 1946

Jan. 17	11.88	July 9	11.66	Dec. 18	11.90
May 21	12.55	Sept.18	24.53		

40 (*889-C, p. 175; *909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145; 1026, p. 140). Ira Southard. Near Hockley. Water level, in feet below land-surface datum, 1946: Mar. 28, 41.67.

69. W. F. Klenk. 0.2 mile east of Klein and 2.5 miles west of Spring, in back yard. Used dug well, diameter 36 inches, depth 37 feet. Measuring point, top of brick curb, 3.0 feet above land-surface datum. Equipped with small rejet pump. 1944-45 water levels affected by defective gas well in Bammel gas field.

Water level, in feet below land-surface datum, 1911, 1944-46

Sept., 1911	a 31.7	Dec. 12, 1944	4.05	May 27, 1946	9.37
Aug. 1, 1944	12.0	Jan. 24, 1945	4.33	July 10	9.68
Oct. 3	3.76	Mar. 23	4.64	Sept.20	14.38
14	3.69	June 14	7.77	Dec. 6	12.45
Nov. 2	4.13	Jan. 11, 1946	10.46		

a By owner.

70. E. W. Klenk. 0.25 mile southeast of Klein and 2.5 miles west of Spring, in back yard. Used drilled well, diameter 3 to 2 inches, depth 106 feet. Measuring point, lower edge of tee, 1.0 foot above land-surface datum. Equipped with airlift. 1944-45 water levels affected by defective gas well in Bammel gas field.

Water level, in feet with reference to land-surface datum, 1938, 1944-46

Jan. 1938	a-25.0	Nov. 2, 1944	-1.96	Jan. 11, 1946	-11.51
Sept.16, 1944	-2.00	Dec. 12	-1.90	May 27	-10.61
Oct. 1	+.20	Jan. 24, 1945	-2.09	July 10	-10.37
3	+.30	Mar. 23	-3.64	Sept.20	-14.76
14	+.02	June 14	-6.88	Dec. 6	-13.87

a By owner.

95 (*777, p. 207; 840, p. 437; 886, p. 701; *889-C, p. 178; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145; 1026, p. 140). H. C. Middlestead. 1.75 miles southeast of Spring.

Water level, in feet below land-surface datum, 1946

Jan. 11	9.80	July 10	8.37	Dec. 6	8.22
May 27	8.09	Sept.	16.32		

97 (*777, p. 207; 840, p. 437; 845, p. 502; 886, p. 701; *889-C, p. 178; 947, p. 125; *989, p. 139). H. C. Middlestead. 1.2 miles northwest of Westfield. Measurements resumed. Water levels, in feet below land-surface datum: Jan. 28, 1944, 1.25; July 10, 1946, 4.08; Sept. 20, 1946, 8.12; Dec. 6, 1946, 3.26.

98 (*889-C, p. 178). John Jones. 0.65 mile north of Bammel and 4.5 miles west of Westfield, in wash house. Unused drilled well, diameter 4 inches, depth 137 feet. Measuring point, top of casing, 0.3 foot above land-surface datum. 1944-45 water levels affected by defective gas well in Bammel gas field.

Water level, in feet below land-surface datum, 1943-46

Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1943	11.18	May 24, 1944	12.74	Oct. 14, 1944	5.30
20	7.70	June 5	13.20	Nov. 2	5.65
26	4.93	24	15.00	Dec. 12	6.52
Sept. 8	7.14	July 8	14.75	Jan. 24, 1945	8.90
24	5.75	15	14.52	Mar. 23	11.91
Jan. 28, 1944	4.38	25	13.87	June 14	15.95
Mar. 11	2.24	Aug. 5	13.18	Jan. 11, 1946	21.15
25	.50	22	11.50	May 27	21.21
Apr. 7	1.40	Sept. 4	9.10	July 10	21.07
21	5.29	16	7.94	Sept.20	23.98
May 8	10.60	Oct. 2	5.93	Dec. 6	22.75

100. D. D. Mintz. 0.5 mile west of Bammel and 4.3 miles west of Westfield, in pump house back of residence. Used drilled domestic well, diameter 3 inches, screen at 90.96 feet. Measuring point, top of casing, 0.5 foot above land-surface datum. Equipped with rejet pump. 1943-45 water levels affected by defective gas well in Bammel gas field.

Water level, in feet below land-surface datum, 1944-46

July 22, 1944	28.75	Nov. 2, 1944	17.50	Jan. 11, 1946	30.53
Aug. 22	27.44	Dec. 12	19.06	May 27	29.37
Sept. 4	21.50	Jan. 24, 1945	19.80	July 10	28.87
16	19.58	Mar. 26	20.34	Sept.20	29.72
Oct. 2	15.15	June 14	22.40	Dec. 6	30.16
14	15.05				

104.103 (*886, p. 102; *889-C, p. 178; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145; 1026, p. 140). George Glameyer. 4.5 miles south of Spring.

Water level, in feet below land-surface datum, 1946

Jan. 11	6.26	July 10	5.16	Dec. 6	7.90
May 28	7.13	Sept.20	12.40		

107. H. M. Harrel Oil Co. 2.7 miles southwest of Bammel and 6.5 miles southwest of Westfield, at Zapp unit C-1 gas well. Unused drilled well, diameter 4 inches, depth about 350 feet. Measuring point, top of bull plug, 7.0 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Dec. 17, 38.91.

108. R. L. Glazner. On south side of Bammel-Westfield road, about 200 yards west of U. S. Highway 75, 1.75 miles west of Westfield. Unused drilled well, diameter 4 inches, depth 358 feet. Measuring point, top of casing, 2.0 feet above land-surface datum. 1943-45 water levels affected by defective gas wells in Bammel gas field.

Water level, in feet below land-surface datum, 1943-46

Aug. 12, 1943	24.58	Mar. 25, 1944	15.15	Jan. 24, 1945	20.20
20	23.34	Apr. 7	14.77	Mar. 23	21.70
26	22.32	22	15.67	June 14	24.23
Sept. 8	20.75	May 8	17.95	Jan. 11, 1946	30.29
24	20.58	25	19.40	May 28	29.82
Dec. 31	15.52	June 5	19.75	July 10	29.71
Jan. 18, 1944	16.57	23	20.25	Sept.20	32.38
28	16.69	July 8	20.23	Dec. 6	31.80
Mar. 11	16.05	15	20.18		

109. H. M. Harrel Oil Co. At M. M. Graves Estate A-1 gas well, 2.4 miles southwest of Westfield. Unused drilled well, diameter 4 inches, depth about 300 feet. Measuring point, top of 1-inch tee, 3.0 feet above land-surface datum. 1943-45 water levels affected by defective gas wells in Bammel gas field.

Water level, in feet below land-surface datum, 1943-46

Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1943	23.24	July 8, 1944	23.03	Jan. 24, 1945	24.28
20	21.11	24	23.25	Mar. 23	25.58
26	19.43	Aug. 5	23.42	June 14	27.96
Sept. 8	18.20	22	23.39	Jan. 11, 1946	34.52
24	17.65	Sept. 4	22.52	May 28	33.95
Jan. 28, 1944	15.29	16	22.40	July 10	34.11
Apr. 22	15.38	Oct. 2	22.14	Sept.20	36.96
June 8	21.96	13	22.14	Dec. 6	36.30
23	22.68				

134 (*886, p. 702; *889-C, p. 178; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145; 1026, p. 140). Owner's well 1. Ira Southard. 9 miles northwest of Cypress. Water level, in feet below land-surface datum, 1946: Mar. 26, 52.53.

136 (*886, p. 702; *889-C, p. 179; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145; 1026, p. 140). Owner's well 1. J. Freeman. 9 miles southwest of Cypress. Water level, in feet below land-surface datum, 1946: Mar. 26, 54.03.

139 (*889-C, p. 179; *1019, p. 145; 1026, p. 140). Owner's well 1. Oscar Kemp. 7.5 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 48.68.

140 (*886, p. 702; *889-C, p. 179; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145; 1026, p. 140). Owner's well 2. Oscar Kemp. 7.5 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 48.31.

157 (*889-C, p. 180; *989, p. 139). Owner's well 2. H. J. Longenbaugh. 12 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 28, 32.30.

166 (*777, p. 207; 840, p. 437; 886, p. 702; *889-C, p. 181; 909, p. 145; 947, p. 123; *989, p. 140; 1019, p. 146; 1026, p. 140). E. C. Smith. 1.75 miles northwest of Cypress. Water levels, in feet below land-surface datum, 1946: Jan. 17, 0.91; July 9, 2.97; Sept. 19, 8.18; Dec. 18, 1.83.

167 (*777, p. 208; 840, p. 437; 845, p. 202; 886, p. 702; *889-C, p. 181; 909, p. 146; 947, pp. 123-4; *989, p. 140; 1019, p. 146; 1026, p. 140). E. C. Smith. 1.75 miles northwest of Cypress. Water levels, in feet below land-surface datum, 1946: Jan. 17, 9.13; July 9, 12.70; Sept. 19, 17.78; Dec. 18, 9.77.

169a.160(*886, p. 703; *889-C, p. 181; 909, p. 146; 939, p. 109; 947, p. 124; *989, p. 140; 1019, p. 146; 1026, p. 141). Ben Pugh. 2.75 miles northwest of Cypress. Water level, in feet below land-surface datum, 1946: Mar. 28, 9.73.

171 (*777, p. 208; 840, p. 437; 845, p. 602; 886, p. 703; *889-C, p. 181; 909, p. 146; 947, p. 124; *989, p. 140; 1019, p. 146; 1026, p. 141). E. H. Juergen. In Cypress.

Water level, in feet below land-surface datum, 1946

Jan. 17	7.05	July 9	5.45	Dec. 18	6.26
May 21	6.09	Sept.19	6.39		

178 (*777, p. 208; 840, p. 437; 886, p. 709; *889-C, p. 181; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 140; 1019, p. 146; 1026, p. 141). K. P. Black. 5 miles southeast of Cypress.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	0.80	July 9	2.76	Dec. 17	1.30
May 21	.95	Sept.19	8.18		

182 (*886, p. 703; *889-C, p. 181; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 140; 1019, p. 146; 1026, p. 141). Joel Schmidt. 4.5 miles south of Cypress. Water level, in feet below land-surface datum, 1946: Mar. 26, 26.23.

186 (*886, p. 703; *889-C, p. 181; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 140; 1019, p. 146; 1026, p. 141). Owner's well 3. T. B. Tucker. 6 miles southwest of Cypress. Water level, in feet below land-surface datum, 1946: Mar. 26, 29.31.

205 (*777, p. 209; 840. p. 437; 845, p. 502; 886, p. 703; *889-C, p. 182; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 140; 1019, p. 146; 1026, p. 141). Humble Pipe Line Co. well 2. At Satsuma.

Water level, in feet below land-surface datum, 1946

Jan. 17	37.88	July 9	37.79	Dec. 17	42.77
May 21	37.63	Sept.19	42.14		

206 (*777, p. 209; 840, p. 438; 845, p. 502; 886, p. 703; *889-C, p. 182; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 141; 1019, p. 146; 1026, p. 141). R. B. Tucker. At Satsuma.

Water level, in feet below land-surface datum, 1946

Jan. 17	28.30	July 9	31.19	Dec. 17	31.85
May 21	27.42	Sept.19	35.07		

210 (*777, p. 209; 840, p. 438; 886, p. 703; *889-C, p. 182; 909, p. 147; 939, p. 110; 947, p. 124; *989, p. 141; 1019, p. 146; 1026, p. 141). M. Milton. 7.25 miles southeast of Cypress. Water levels, in feet below land-surface datum, 1946: Jan. 17, 20.09; July 9, 19.87.

211. Amerado-Stanolind. 4 miles northwest of Fairbanks, about 200 feet west of Louis Dopslauf Oil oil well. Rarely used drilled oil field well, diameter 6 inches, depth 278 feet. Measuring point, top of casing, 1.0 foot above land-surface datum. Equipped with gaslift. Water levels, in feet below land-surface datum, 1946: Sept. 26, 44.90; Dec. 17, 40.88.

221 (*886, p. 703; *889-C, p. 183; 909, p. 147; 939, p. 110; 947, p. 124; *989, p. 141; 1019, p. 147; 1026, p. 141). S. Terpstra. 10.75 miles east of Cypress. Water levels, in feet below land-surface datum, 1946: Jan. 17, 40.10; May 22, 39.60; July 9, 41.50; Dec. 17, 41.44.

225 (*886, p. 704; *889-C, p. 183; 909, p. 147; 939, p. 110; 947, p. 125; *989, p. 141; 1019, p. 147; 1026, p. 141). Trinity & Brazos Valley Railway Co. 11.5 miles southeast of Cypress.

Water level, in feet below land-surface datum, 1946

Jan. 17	52.44	July 9	56.58	Dec. 17	58.94
May 22	53.09	Sept.19	64.64		

226 (*889-C, p. 183; *989, p. 141; 1019, p. 147; 1026, p. 141). W. A. Fraser. 3 miles east of Satsuma. Water level, in feet below land-surface datum, 1946: Feb. 6, 39.26.

229. F. S. Clancy. 4 miles northeast of Satsuma. Used drilled rice-irrigation well, diameter 18 inches, depth 747 feet. Measuring point, top of ½-inch hole in inner pump base, 2.5 feet above land-surface datum. Equipped with deep-well turbine pump, yield 2,700 gallons a minute. Water level, in feet below land-surface datum, 1946: Jan. 17, 41.22.

230. Amerada-Stanolind. 0.15 mile east of Reidroad, 2.3 miles north of Fairbanks. Rarely used oil field well, diameter 7 to 4 inches, screens at 339-369 and 509-539 feet. Measuring point, lower edge of 2-inch tee, 4.7 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 3, 55.80; Dec. 17, 52.81.

231. Jack Frazier Drilling Co. About 100 yards south of Fairbanks-West Montgomery road and between North Houston-Rosslyn road and railroad. Unused drilled well, diameter 4 inches, depth about 400 feet. Measuring point, top of casing, 2.2 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: July 9, 49.94; Sept. 19, 53.54; Dec. 17, 53.10.

249. United Gas Corporation. 100 feet west of Stuebner-Airline road, between gas well and road, 0.35 mile north of Westroad, 4.5 miles west of Aldine. Unused drilled well, diameter 4 inches, depth about 350 feet. Measuring point, top of bull plug, 3.5 feet above land-surface datum. Water level, in feet below land-surface datum, 1946: Dec. 17, 60.52.

253. Homer J. Moore. About 200 yards north of Aldine road, 1.5 miles east of Stuebner-Airline road, 3.5 miles west of Aldine. Used drilled rice-irrigation well, diameter 20 to 12 inches, 6 screens between 251 and 1,048 feet. Measuring point, bottom of "V" notch in casing, 2.0 feet above land-surface datum. Equipped with deep-well turbine pump and electric motor. 1944-45 water levels affected by defective gas well in Bammel gas field.

Water level, in feet below land-surface datum, 1944-45

Date	Water level	Date	Water level	Date	Water level
Apr. 26, 1944	27.0	Nov. 2, 1944	15.33	Jan. 24, 1945	23.12
June 23	(a)	Dec. 12	16.37	Mar. 26	31.13
24	(a)				

a Flowed 2 feet above ground.

255 (*886, p. 704; *889-C, p. 184; 909, p. 147; 939, p. 110; 947, p. 125; *989, p. 141; 1019, p. 147; 1026, p. 141). J. M. Blake. 2.5 miles northwest of Aldine.

Water level, in feet below land-surface datum, 1946

Jan. 10	9.44	July 10	6.85	Dec. 16	7.32
May 27	7.35	Sept.20	14.27		

258. F. M. Corzelius. 1.15 miles east of U. S. Highway 75, 2.7 miles northwest of Aldine, between Hargrove gas well 1 and Rankin road. Rarely used drilled well, diameter 4 inches, depth 325 feet. Measuring point, top of opening in side of 4-inch tee, 1.5 feet above land-surface datum. Jetted with natural gas. Water levels, in feet below land-surface datum, 1946: Sept. 20, 49.33; Dec. 18, 41.92.

264 (*777, p. 210; 840, p. 438; 845, p. 502; 886, p. 704; *889-C, p. 185; 909, p. 147; 939, p. 110; 947, p. 125; *989, p. 141; 1019, p. 147; 1026, p. 141). H. Weary. 3 miles north of Aldine.

Water level, in feet below land-surface datum, 1946

Feb. 6	45.23	July 10	45.94	Dec. 16	48.01
May 28	45.53	Sept.20	49.41	18	48.09

268 (*889-C, p. 185; *947, p. 125; *989, p. 141; 1019, p. 147; 1026, p. 141). City of Houston test well 10A. In Westfield.

Water level, in feet below land-surface datum, 1946

Jan. 10	33.11	July 10	38.46	Dec. 6	42.27
May 28	37.13	Sept.20	41.47		

269 (*889-C, p. 185; *1019, p. 147; 1026, p. 141). City of Houston test well 7. In Westfield. Water levels, in feet above land-surface datum, 1946: Jan. 10, 13.4; Dec. 6, 8.6.

280 (*889-C, p. 185; *989, p. 141; 1019, p. 148; 1026, p. 142). Pan-American Pipe Line Co. 9 miles southeast of Humble. Water levels, in feet below land-surface datum, 1946: Jan. 31, 58.26; Apr. 29, 58.60; Sept. 5, 60.07; Dec. 5, 59.64.

286 (*889-C, p. 185; *989, p. 142; 1019, p. 148; 1026, p. 142). Jack Frazier Drilling Co. 10 miles northeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 10	60.82	July 12	61.56	Dec. 16	62.93
May 29	61.39	Sept.23	62.68		

287 (*889-C, p. 185; *989, p. 142; 1019, p. 148; 1026, p. 142). Jack Frazier Drilling Co. 10 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 10, 79.65; May 28, 79.33; July 12, 79.81; Dec. 16, 83.10.

290 (*889-C, p. 186; *989, p. 142; 1019, p. 148; 1026, p. 142). J. C. Townes. 5 miles southeast of Humble. Water levels, in feet below land-surface datum, 1946: Jan. 10, 44.35; July 12, 45.64; Sept. 23, 47.39; Dec. 16, 46.51.

291 (*889-C, p. 186; *989, p. 142; 1019, p. 148; 1026, p. 142). A. T. McDannald. 4.5 miles south of Humble. Water levels, in feet below land-surface datum, 1946: Jan. 10, 41.46; July 12, 42.07; Sept. 23, 42.89; Dec. 16, 43.24.

302 (*886, p. 704; *889-C, p. 167; 909, p. 147; 939, p. 111; *989, p. 142; 1019, p. 148; 1026, p. 142). McDannald Oil Co. Formerly known as Rebel Oil Co. 3 miles southeast of Humble.

Water level, in feet below land-surface datum, 1946

Jan. 10	51.83	July 12	53.21	Dec. 16	55.95
May 28	52.83	Sept.23	54.83		

305. A. T. McDannald. 4.5 miles south of Humble, about 30 feet south of well 291. Unused drilled well, diameter 6 inches, depth 47 feet. Measuring point, top of casing, 1.0 foot above land-surface datum.

Water level, in feet below land-surface datum, 1943-46

Sept.21, 1943	11.10	Dec. 13, 1944	9.94	Jan. 10, 1946	6.25
Jan. 25, 1944	8.68	Jan. 23, 1945	8.63	July 12	4.98
Apr. 24	9.18	Mar. 23	7.50	Sept.13	7.79
July 20	9.75	July 6	7.67	Dec. 16	5.83
Sept.16	10.50				

306. Bender Estate. 4 miles southeast of Humble, on south side of Atascocito road, 0.7 mile east of Farmers road. Unused drilled well, diameter 4 inches, screen from 338 to 358 feet. Measuring point, top of casing, 1.2 feet above land-surface datum.

Water level, in feet below land-surface datum, 1945-46

July 6, 1945	47.53	July 12, 1946	51.23	Dec. 16, 1946	52.87
May 28, 1946	51.41	Sept.23	52.34		

331 (*889-C, p. 188; *1019, p. 148; 1026, p. 142). Known as "Black Cat" oil test. 8.25 miles east of Humble. Water level, in feet below land-surface datum, 1946: Sept. 23, 5.28.

352 (*886, p. 704; *889-C, p. 189; 909, p. 147; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 148; 1026, p. 142). A. E. Thompson. 5.75 miles north of Katy. Water level, in feet below land-surface datum, 1946: Mar. 28, 57.12.

357 (*886, p. 705; *889-C, p. 189; 909, p. 147; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149; 1026, p. 142). Owner's well 2. P. V. Cook. 4.5 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 54.82.

362 (*886, p. 705; *889-C, p. 189; 909, p. 147; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149; 1026, p. 142). Owner's well 2. E. G. Stockdick. 4 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 27, 46.56.

367 (*886, p. 705; *889-C, p. 190; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149; 1026, p. 142). W. C. Hickman. 3.25 miles east of Katy. Water level, in feet below land-surface datum, 1946: Mar. 21, 46.16.

370 (*886, p. 705; *889-C, p. 190; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149; 1026, p. 142). Measurements discontinued.

371 (*889-C, p. 190; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149; 1026, p. 142). L. E. Morrison. 3.5 miles southeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 21, 44.87.

380 (*889-C, p. 191; *989, p. 142; 1019, p. 149; 1026, p. 142). W. H. Hegar. 8 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 26.52.

381 (*886, p. 705; *889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 143; 1019, p. 149; 1026, p. 142). W. H. Hegar. 7.5 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 29.12.

382 (*886, p. 705; *889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 143; 1019, p. 149; 1026, p. 143). W. C. Stockdick. 6 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 43.78.

384 (*886, p. 705; *889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 143; 1019, p. 149; 1026, p. 143). A. J. Jordens. 6 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 27, 44.26.

385 (*886, p. 705; *889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 126; *989, p. 143; 1019, p. 149; 1026, p. 143). A. J. Jordens. 6 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 27, 42.30.

399 (*886, p. 706; 909, p. 148; 939, p. 111; 947, p. 126; *989, p. 143; 1019, p. 149; 1026, p. 143). Gertie Rice Farm. 9.5 miles northeast of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 31.33.

420 (*889-C, p. 193). E. A. Showers. 0.9 mile west of Piney Point, 4 miles northeast of Alief, at southwest corner of raised earth tank, on north side of Westheimer road. Used drilled stock well, diameter 4 inches, depth 231 feet. Measuring point, top of casing, 0.5 foot above land-surface datum. Equipped with windmill. Water levels, in feet below land-surface datum, 1946: Oct. 3, 48.32; Dec. 14, 47.31.

422. Cities Service Oil Co. 3 miles northeast of Alief, 100 feet west of A. L. Witcher gas well 1, 1.0 mile north of Westheimer road. Unused drilled well, diameter 4 inches, depth about 600 feet. Measuring point, ½-inch hole in side of 4-inch tee, 4.5 feet above land-surface datum. Water levels, in feet below land-surface datum, 1946: Oct. 3, 44.65; Dec. 13, 43.07.

424. Buffalo Oaks. 2.0 miles north of Alief, in pump house at large pressure tank. Used drilled public-supply well, diameter 6 inches, depth 644 feet. Measuring point, hole in pump base, 1.0 foot above land-surface datum. Equipped with deep-well turbine pump and industrial gasoline engine. Water levels, in feet below land-surface datum, 1946: Oct. 3, 56.85; Dec. 13, 54.27.

456 (*889-C, p. 194; *909, p. 148; 939, p. 111; 947, p. 126; *989, p. 143; 1019, p. 147; 1026, p. 143). Frank Willberg. 0.5 mile southeast of Fairbanks, on U. S. Highway 290.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	51.81	July 9	52.08	Dec. 17	56.45
May 21	51.26	Sept.17	56.09		

473 (*889-C, p. 195; *947, pp. 126-7; *989, p. 143; 1019, p. 149; 1026, p. 143). H. W. Rasmussen. 8.5 miles west of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 18	54.29	May 1	55.43	Sept.16	63.81
Mar. 29	55.41	July 11	57.45	Dec. 14	62.41

480 (*889-C, p. 195; *989, p. 143; 1019, p. 150; 1026, p. 143). John Pillot. 2 miles northeast of Clodine. Water level, in feet below land-surface datum, 1946: Mar. 29, 34.04.

489 (*889-C, p. 196; *947, p. 127; *989, p. 143; 1019, p. 150; 1026, p. 143). City of Houston test well 4a. 2 miles west of Alief.

Water level, in feet below land-surface datum, 1946

Jan. 18	38.60	May 1	38.28	Sept.16	46.83
Mar. 29	37.91	July 11	40.33	Dec. 13	43.34

490 (*889-C, p. 196; *947, p. 127; *989, p. 144; 1019, p. 150; 1026, p. 143). City of Houston test well 5. In Alief.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	64.07	May 1	67.03	Sept.16	75.67	Dec. 13	75.92
Mar. 29	66.17	July 11	69.84	Nov. 18	75.98		

496 (*889-C, p. 196; *947, p. 127; *989, p. 144; 1019, p. 150; 1026, p. 143). Diamond "L" Ranch. 13 miles southwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 18	42.44	July 16	45.92	Dec. 13	45.89
May 1	42.10	Sept.16	50.29		

498 (*889-C, p. 197; *947, p. 127; *989, p. 144; 1019, p. 150; 1026, p. 143). Brae Burn Country Club. 11 miles southwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 18	54.85	May 1	55.81	Nov. 18	63.03
Mar. 29	56.10	Sept.16	64.20	Dec. 13	62.59

504. Dr. E. W. K. Andreu. 1.1 mile northeast of Alief, on west side of canal, 0.45 mile north of Westheimer road. Used drilled rice-irrigation well, diameter 24 inches, depth 608 feet. Measuring point, lower edge of large port hole in pump, 2.0 feet above land-surface datum. Equipped with deep-well turbine pump and diesel motor. Water level, in feet below land-surface datum, 1946: Dec. 14, 48.29.

512 (*777, p. 210; 840, p. 438; 845, p. 502; 886, p. 706; *889-C, p. 197; 909, p. 148; 939, p. 112; 947, p. 128; *989, p. 144; 1019, p. 150; 1026, p. 143). Joe Kowis. 8.5 miles northwest of Houston courthouse.

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Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	8.27	July 9	5.46	Dec. 17	3.33
May 21	7.54	Sept.17	11.80		

519 (*886, p. 706; *889-C, p. 197; 909, p. 148; 939, p. 112; 947, p. 128; *989, p. 144; 1019, p. 150; 1026, p. 143). Felix Meyers. 6.75 miles northwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 17	2.48	July 9	2.54	Dec. 17	5.80
May 21	3.20	Sept.17	7.52		

538 (*889-C, p. 198; *989, p. 144; 1019, p. 150; 1026, p. 144). The Bayou Club. 6 miles northwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 18	77.30	July 11	81.46	Dec. 2	87.04
May 15	80.29	Sept.18	86.11		

591 (*889-C, p. 201; *1019, p. 150; 1026, p. 144). City of Houston well Heights 3. 4 miles northwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 5	145.41	May 19	147.26	Sept. 6	157.79	Dec. 2	156.24
Mar. 16	143.60	July 13	149.88	Nov. 15	156.78		

602 (*777, p. 211; 840, p. 438; 845, p. 502; 886, p. 706; *889-C, p. 202; 909, p. 148; 939, p. 112; 947, p. 128; *989, p. 144; 1019, p. 150; 1026, p. 144). River Oaks Country Club well 1. 4 miles west of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 29, 101.69; May 19, 107.44; Dec. 2, 116.79.

604 (*886, p. 706; *889-C, p. 202; 909, p. 148; 939, p. 112; 947, p. 128; *989, p. 144; 1019, p. 151; 1026, p. 144). Horlock Ice Co. 2.2 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 29, 91.34; Dec. 2, 96.36.

607 (*889-C, p. 202; *989, p. 145; 1019, p. 151; 1026, p. 144). Henke & Pillot. 2 miles northwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 29	94.96	July 6	103.11	Nov. 14	104.38
Apr. 19	99.21	Sept. 6	106.11	Dec. 2	103.58

608 (*886, p. 707; *889-C, p. 202; 909, p. 149; 939, p. 112; 947, p. 128; *989, p. 145; 1019, p. 151; 1026, p. 144). Henke & Pillot. Formerly owned by Fidelity Products Co. 2 miles northwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 29	97.54	July 6	104.91	Dec. 2	106.27
Apr. 19	102.14	Sept. 6	108.87		

609 (*886, p. 707; *889-C, p. 202; 909, p. 149; 939, p. 112; 947, p. 128; *989, p. 145; 1019, p. 151; 1026, p. 144). Henke & Pillot. Formerly owned by Fidelity Products Co. 2 miles northwest of Houston courthouse.

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Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 29	115.20	July 6	126.63	Dec. 2	127.74
Apr. 19	118.16	Sept. 6	130.66		

619 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 707; *889-C, p. 203; 909, p. 149; 939, p. 112; 947, p. 128; *989, p. 145; 1019, p. 151; 1026, p. 144). City of Houston. 1 mile west of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	113.54	Apr. 19	119.06	Sept. 6	138.03	Dec. 2	129.57
Mar. 15	118.41	July 6	131.48	Nov. 14	130.92		

651a.649 (*886, p. 708; *889-C, p. 206; 909, p. 149; 939, p. 113; 947, pp. 128-9; *989, p. 145; 1019, p. 151; 1026, p. 144). L. P. Mallett. 9 miles north of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 10	79.74	July 10	80.22	Dec. 18	85.49
May 28	79.88	Sept.20	85.13		

651b.232 (*886, p. 708; *889-C, p. 183; 909, p. 149; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 151; 1026, p. 144). L. P. Mallett. 9 miles north of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 10	7.09	July 10	7.52	Dec. 18	7.02
May 28	7.49	Sept.20	13.17		

651c.648 (*886, p. 708; *889-C, p. 206; 909, p. 149; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 151; 1026, p. 144). Albert Kraeger. 9 miles north of Houston courthouse. Measurements discontinued after May 28. Water levels, in feet below land-surface datum, 1946: Jan. 10, 70.34; May 28, 69.83.

651d.650 (*886, p. 708; *889-C, p. 206; 909, p. 149; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 151; 1026, p. 144). Joe Morales. 8 miles north of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 10, 89.11; May 28, 88.90; July 10, 89.73; Dec. 18, 94.98.

656 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 708; *889-C, p. 206; 909, p. 150; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 152; 1026, p. 144). Texas Creosoting Co. 4.5 miles north of Houston courthouse.

Water level, in feet below land-surface datum, 1945-46

Nov. 14, 1945	128.53	July 12, 1946	128.60	Nov. 18, 1946	135.18
Feb. 7, 1946	123.55	Sept. 3	123.36	Dec. 5	134.91
Apr. 23	125.28				

662 (*886, p. 709; *889-C, p. 207; 909, p. 150; 939, p. 113; 947, p. 129; *989, p. 146; 1019, p. 152; 1026, p. 145). South Texas Cotton Oil Co. well 2. 2.5 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Feb. 5, 117.58; Sept. 3, 145.98.

663 (*886, p. 709; *889-C, p. 207; 909, p. 150; 939, p. 113; 947, p. 129; *989, p. 146; 1019, p. 152; 1026, p. 145). South Texas Cotton Oil Co. well 1. 2.5 miles northeast of Houston courthouse.

663--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Feb. 5	88.23	July 18	90.74	Dec. 5	91.45
Apr. 23	90.01	Sept. 3	92.14		

664. Scuth Texas Cotton Oil Co. well 3. 2.5 miles northeast of Houston courthouse, about 100 feet southeast of well 662. Used drilled industrial well, diameter 16 inches, depth about 780 feet. Measuring point, top of 1-inch nipple in inner pump base, 2.0 feet above land-surface datum. Equipped with deep-well turbine pump and electric motor. Water levels, in feet below land-surface datum, 1946: Sept. 3, 145.28; Dec. 5, 145.58.

666a.623 (*886, p. 709; *889-C, p. 203; 909, p. 150; 939, p. 113; 947, pp. 129-30; *989, p. 146; 1019, p. 152; 1026, p. 145). Houston Foundry & Machine Co. At White and Weber Streets, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 29	107.02	July 6	113.04	Dec. 2	116.32
Apr. 19	109.25	Sept. 6	116.82		

711 (*889-C, p. 209; *947, p. 130; *989, p. 146; 1019, p. 152; 1026, p. 145). San Jacinto Hotel. At 820 Main Street, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	146.83	July 5	163.48	Dec. 3	168.32
Apr. 23	156.61	Sept. 3	172.88		

748 (*889-C, p. 212; *909, p. 151; 939, p. 114; 947, p. 130; *989, p. 146; 1019, p. 152; 1026, p. 145). Gulf Pipe Line Co. 5 miles northeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 31	117.95	July 16	124.99	Nov. 15	131.10
Apr. 29	119.01	Sept. 3	129.40	Dec. 4	131.45

751 (*886, p. 710; *889-C, p. 212; 909, p. 151; 939, p. 114; 947, p. 130; *989, p. 146; 1019, p. 152; 1026, p. 145). The Texas Pipe Line Co. 5 miles northeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 31	124.15	July 8	130.94	Nov. 3	136.53
Apr. 29	125.70	Sept. 3	135.19	Dec. 3	137.12

757 (*777, p. 213; 840, p. 439; 845, p. 503; *889-C, p. 212; 909, p. 151; 939, p. 114; 947, p. 130; *989, p. 146; 1019, p. 152; 1026, p. 145). Layne-Bowler Co. 4 miles east of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 30	134.75	July 16	143.64	Dec. 3	148.88
Apr. 29	137.00	Sept. 3	146.44		

759 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; *889-C, p. 212; 909, p. 151; 939, p. 114; 947, p. 130; *989, p. 147; 1019, p. 152; 1026, p. 145). Port City Compress & Warehouse Co. 4.75 miles east of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 30	141.82	July 16	151.72	Nov. 16	156.18
Apr. 29	145.61	Sept. 3	154.12	Dec. 3	157.42

783 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; *889-C, p. 215; 909, p. 151; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 152; 1026, p. 145). John E. Green. Formerly owned by Houston Riding & Polo Club. 6 miles west of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	74.96	May 20	77.23	Sept.17	85.89	Dec. 2	84.70
Mar. 29	75.58	July 11	79.22	Nov. 15	84.97		

787 (*886, p. 711; *889-C, p. 215; 909, p. 151; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 153; 1026, p. 145). American Service Co. well 1. At 1623 Westheimer Street, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 29	93.88	May 20	100.23	Sept.17	110.17	Dec. 14	104.38
Mar. 29	97.18	July 11	101.25	Nov. 15	106.20		

787a.779 (*886, p. 711; *889-C, p. 214; 909, p. 152; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 153; 1026, p. 145). American Service Co. well 2. No measurements made in 1946.

790 (*886, p. 712; *889-C, p. 215; 909, p. 152; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 153; 1026, p. 145). Southern United Ice Co. 2.75 miles southwest of Houston courthouse. Water level, in feet below land-surface datum, 1946: Jan. 18, 99.31.

798a.778 (*886, p. 712; *889-C, p. 216; 909, p. 152; 939, p. 115; 947, p. 131; *989, p. 147; 1019, p. 153; 1026, p. 146). H. C. Weiss. At South Main and Sunset Streets, Houston. Water levels, in feet below land-surface datum, 1946: Jan. 18, 87.37; Apr. 19, 91.01; Dec. 13, 98.06.

807a.840 (*886, p. 713; 889-C, p. 216; 909, p. 152; 939, p. 115; 947, p. 131; *989, p. 147). City of Bellaire well 1. Measurements resumed. Water levels, in feet below land-surface datum, 1946: July 11, 84.44; Sept. 17, 93.38; Dec. 2, 90.98.

809 (*886, p. 713; *889-C, p. 216; 909, p. 152; 939, p. 115; 947, p. 131; *989, p. 147; 1019, p. 153; 1026, p. 146). Gem Electric & Ice Co. In Bellaire.

Water level, in feet below land-surface datum, 1946

Jan. 18	109.99	Apr. 19	114.81	Sept.17	132.71	Dec. 2	129.31
Apr. 8	116.28	July 11	116.08	Nov. 15	129.91		

812 (*989, p. 147; 1019, p. 153; 1026, p. 146). Harris County School for Girls. 7.75 miles southwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 18	67.20	Apr. 19	68.36	Sept.17	77.58
Mar. 29	67.58	July 11	71.24	Dec. 2	76.57

853 (*886, p. 713; *889-C, p. 217; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 153; 1026, p. 146). Houston Ice & Cold Storage Co. At 2715 McKinney Street, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	127.21	July 5	135.40	May 15	138.87
Apr. 23	131.58	Sept. 3	138.82	Dec. 3	136.64

854 (*886, p. 714; *889-C, p. 218; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 153; 1026, p. 146). Houston Ice & Cold Storage Co. At 2715 McKinney Street, Houston. Water level, in feet below land-surface datum, 1946: Dec. 3, 150.88.

876 (*886, p. 714; *889-C, p. 220; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 153; 1026, p. 146). Houston Country Club. 3.75 miles southeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 28	120.38	July 5	132.28	Nov. 14	137.78
Apr. 23	127.45	Sept. 3	135.55	Dec. 3	138.63

878 (*886, p. 714; *889-C, p. 220; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 154; 1026, p. 146). Gulf Atlantic Warehouse Co. At Anderson-Clayton turning basin, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	134.26	July 5	147.60	Dec. 3	151.67
Apr. 23	138.64	Sept. 3	149.31		

879 (*889-C, p. 220). City of Houston Magnolia Park well 2. At 7300 Canal Street, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	137.21	July 5	147.83	Nov. 14	153.43
Apr. 23	142.03	Sept. 3	151.45	Dec. 3	153.99

881 (*886, p. 715; *889-C, p. 220; 909, p. 153; 939, p. 116; 947, p. 132; *989, p. 148; 1019, p. 154; 1026, p. 146). Terminal Compress & Warehouse Co. At 82d and Harrisburg Streets, Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	130.90	July 5	144.33	Nov. 14	152.41
Apr. 23	140.98	Sept. 3	146.60	Dec. 3	154.24

883 (*886, p. 715; *889-C, p. 220; 909, p. 153; 939, p. 116; 947, p. 132; *989, p. 148; 1019, p. 154; 1026, p. 147). Tennessee Coal & Iron Railroad Co. well 1. U. S. Steel Co. 6.5 miles southeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 31	152.20	July 5	165.46	Dec. 5	173.39
Apr. 29	160.54	Sept. 6	168.52		

898a.913 (*886, p. 716; *889-C, p. 222; 909, p. 154; 939, p. 116; 947, p. 133; *989, p. 148; 1019, p. 154; 1026, p. 147). Allen Estate. At Park Place and Popular Streets, Houston.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	127.93	Apr. 24	131.01	Sept. 4	139.96	Dec. 3	142.74
Mar. 16	126.80	July 5	135.91	Nov. 14	142.27		

905 (*889-C, p. 221; *909, p. 154). City of Houston Prison Farm. 7.5 miles southeast of Houston courthouse. Unused since 1939. Measurements resumed. Water levels, in feet below land-surface datum, 1946: Apr. 20, 67.38; July 16, 57.32; Sept. 15, 62.50; Dec. 13, 51.17.

909 (*889-C, p. 222; *947, p. 133; *989, p. 148; 1019, p. 154; 1026, p. 147). J. W. Madden. 9 miles southeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 28	48.70	July 16	49.58	Dec. 13	50.76
Apr. 20	49.50	Sept. 15	50.34		

933 (*889-C, p. 223; *947, p. 133; *989, p. 149; 1019, p. 154; 1026, p. 147). Champion Paper & Fibre Co. test well. 9 miles northeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 31	101.62	July 16	105.41	Nov. 15	109.32
Apr. 29	102.91	Sept. 5	107.59	Dec. 5	110.04

934 (*889-C, p. 223; *947, p. 133; *989, p. 149; 1019, p. 154; 1026, p. 147). Champion Paper & Fibre Co. 9 miles northeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 31	70.22	July 16	71.21	Nov. 15	71.46
Apr. 29	70.82	Sept. 5	72.08	Dec. 5	72.12

936 (*889-C, p. 223; *989, p. 149; 1019, p. 154; 1026, p. 147). The Texas Co. well 2. At Camp Beaty, 9 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 31, 117.45; Apr. 29, 119.96; July 8, 121.97; Sept. 6, 123.78.

939 (*889-C, p. 223; *989, p. 149; 1019, p. 154; 1026, p. 147). San Jacinto Ordnance Depot construction well 2. 14 miles east of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 31	120.58	July 8	124.38	Dec. 5	128.05
Apr. 29	120.19	Sept. 6	126.80		

940 (*889-C, p. 224; *989, p. 149; 1019, p. 155; 1026, p. 147). San Jacinto Ordnance Depot construction well 1. 14.5 miles east of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 31	116.50	July 8	119.48	Dec. 5	123.08
Apr. 29	115.68	Sept. 6	121.98		

943 (*889-C, p. 224; *989, p. 149; 1019, p. 155; 1026, p. 147). Gulf Pipe Line Co. At Lynchburg pump station.

Water level, in feet below land-surface datum, 1946

Jan. 30	87.42	July 8	87.76	Dec. 4	90.41
Apr. 29	85.95	Sept. 6	90.25		

947 (*889-C, p. 224; *989, p. 149; 1019, p. 155; 1026, p. 147). Leon J. Vetrano. 11 miles northwest of Goose Creek. Water levels, in feet below land-surface datum, 1946: Jan. 31, 78.16; Apr. 29, 81.24; Dec. 5, 80.02.

1019 (*886, p. 716; *889-C, p. 230; 909, p. 154; 939, p. 116; 947, p. 134; *989, p. 149; 1019, p. 155; 1026, p. 147). Captain Chas. Crotty. At Morgans Point. Water levels, in feet below land-surface datum, 1946: Jan. 30, 89.45; Apr. 26, 88.48; Dec. 4, 92.11.

1101a.1100 (*886, p. 716; *889-C, p. 230; 909, p. 154; 939, p. 116; 947, p. 134; *989, p. 150; 1019, p. 155; 1026, p. 147). M. M. Graves Estate. 8.5 miles west of Goose Creek.

Water level, in feet below land-surface datum, 1946

Jan. 30	127.39	July 8	130.98	Nov. 14	133.70
Apr. 25	126.94	Sept. 5	133.77	Dec. 4	133.85

1104 (*889-C, p. 230; *909, p. 154; 939, p. 116; 947, p. 134; *989, p. 150; 1019, p. 155; 1026, p. 148). City of La Porte well 1. At La Porte water plant.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 30	108.11	July 8	109.05	Dec. 4	112.06
Apr. 25	107.58	Sept. 5	112.50		

1106. West & Siabara. 4.5 miles west of La Porte, at junction of Cardiff and Underwood roads. Used drilled rice-irrigation well, diameter 24 to 10 inches, casing slotted at 299-322, 498-587, and 747-910 feet. Measuring point, lower edge of port hole in side of pump, 2.0 feet above land-surface datum. Equipped with deep-well turbine pump and diesel motor. Water levels, in feet below land-surface datum, 1946: Apr. 25, 104.23; Dec. 4, 109.11.

1117 (*889-C, p. 231; *1019, p. 155; 1026, p. 148). Humble Oil & Refining Co. 17 miles southeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 28	95.77	July 5	99.75	Dec. 4	99.25
Apr. 24	94.67	Sept. 4	102.81		

1121 (*889-C, p. 231; *989, p. 150; 1019, p. 155; 1026, p. 148). W. H. Clark. On Spencer Highway, 17 miles southeast of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 28	107.99	July 8	111.85	Dec. 4	112.11
Apr. 26	106.77	Sept. 5	117.38		

1152a.1150(*886, p. 717; *889-C, p. 235; 909, p. 154; 939, p. 116; 947, p. 134; *989, p. 150; 1019, p. 156; 1026, p. 148). City of Galena Park well 1. In Galena Park, at water works. Water levels, in feet below land-surface datum, 1946: Jan. 31, 167.20; July 15, 181.48; Dec. 5, 185.28.

1161 (*886, p. 717; *889-C, p. 236; 909, p. 155; 939, p. 117; 947, p. 134; *989, p. 150; 1019, p. 156; 1026, p. 148). Sinclair Refining Co. well 6. 3 miles north of South Houston.

Highest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
1	170.4	168.2	170.8	176.3	179.9	181.8	184.2	185.5	185.5	.....	190.4
2	170.7	167.7	172.1	176.1	180.2	182.3	184.2	185.6	185.4	.....	190.7
3	171.4	167.6	171.3	176.3	.....	182.3	184.4	185.7	185.4	.....	190.9
4	172.1	168.1	171.6	176.6	.....	181.6	183.6	185.8	185.6	188.9	191.1
5	171.6	168.8	172.0	177.0	.....	181.6	181.9	185.6	185.7	189.0	191.2
6	171.1	169.4	172.2	177.0	.....	182.0	181.0	185.9	.....	187.6	191.0
7	170.7	170.1	172.5	.....	.....	182.4	181.0	186.0	.....	186.4	191.0
8	170.5	170.7	172.3	177.1	.....	182.6	181.2	186.2	.....	185.2	191.2
9	170.8	171.2	170.9	177.2	181.0	182.6	181.4	186.1	.....	185.5	191.0
10	171.2	171.5	169.9	177.7	180.7	182.5	181.5	186.3	.....	186.1	191.0
11	171.1	172.1	169.9	178.0	180.4	182.8	182.0	186.3	.....	186.5	191.0
12	171.0	172.5	170.5	178.3	180.3	183.1	182.5	186.3	.....	186.9	191.4
13	170.7	172.8	170.7	178.3	180.1	183.0	182.6	186.1	.....	187.2	191.8
14	169.9	172.3	171.5	178.3	179.7	183.5	183.0	185.5	.....	187.9	192.0
15	169.5	171.1	172.0	178.1	179.5	183.5	183.2	185.2	.....	188.1	192.4
16	168.9	170.1	172.4	178.0	179.5	183.6	183.3	185.3	.....	188.2	192.4
17	168.7	169.6	173.0	178.1	179.5	183.7	183.7	185.3	.....	188.5	192.5
18	168.6	169.7	173.3	177.3	179.4	183.7	184.0	185.0	.....	188.9	192.9
19	168.5	170.2	173.6	175.9	179.6	183.8	184.5	.....	.....	188.9	193.0
20	168.5	170.4	173.9	175.4	179.9	184.0	184.9	.....	.....	188.9	192.5
21	168.4	170.3	173.9	175.5	179.9	185.0	184.8	.....	.....	189.1	192.4
22	167.6	169.2	174.2	176.1	179.9	184.8	184.7	185.4	.....	189.6	192.2
23	167.4	168.0	174.3	176.7	179.7	184.8	185.0	185.6	.....	189.6	192.0
24	167.5	167.9	174.5	177.2	179.5	184.4	185.1	185.7	.....	189.8	191.2
25	168.2	167.8	174.7	177.7	179.5	184.3	185.2	185.7	.....	189.7	189.8

1161--Continued.

Highest daily water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
26	169.0	168.4	174.7	178.5	179.5	184.3	185.3	185.5	.....	189.9	189.0
27	169.7	169.7	175.2	178.7	179.1	184.3	185.3	185.6	.....	190.0	187.5
28	170.0	170.5	175.7	179.0	179.1	184.4	185.4	185.2	.....	190.0	187.3
29	170.5		175.6	179.2	180.6	184.4	185.5	185.1	.....	190.3	187.2
30	170.5		175.7	179.6	182.0	184.4	185.6	185.3	.....	190.3	187.7
31	168.9		175.8		181.7		185.7	185.4			188.1

1170 (*886, p. 718; *889-C, p. 237; 909, p. 155; *989, p. 151; 1019, p. 156; 1026, p. 148). Houston Lighting & Power Co. At Deepwater plant, 4.25 miles north of South Houston. Measurements by owner.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	166	Apr. 1	175	Aug. 1	185	Oct. 16	186
16	165	18	176	Sept. 4	184	Nov. 5	187
Feb. 4	167	May 1	178	17	186	Dec. 5	190
15	168	17	182	Oct. 2	183	16	190
Mar. 5	171	July 2	182				

1181 (*889-C, p. 237). Phillips Petroleum Co. well 1. 1.3 miles northeast of Pasadena, at tank farm. Unused drilled well, diameter 4 inches, depth 691 feet. Measuring point, top of 2-inch tee, 1.5 feet above land-surface datum.

Water level, in feet below land-surface datum, 1929, 1945-46

Date	Water level	Date	Water level	Date	Water level
June 1929	28.50	Apr. 26, 1946	185.41	Sept. 4, 1946	191.62
25, 1945	192.93	July 8	186.85	Dec. 4	194.80
Jan. 30, 1946	178.46				

1182 (*886, p. 719; *889-C, p. 237; 909, p. 156; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 151; 1026, p. 149). Port Terminal Railroad Co. At Pasadena, near southeast corner of Crown refinery.

Water level, in feet below land-surface datum, 1946

Jan. 30	183.01	July 8	197.48	Nov. 14	198.98
Apr. 26	191.74	Sept. 4	199.81	Dec. 4	203.91

1187 (*886, p. 719; *889-C, p. 238; 909, p. 156; 939, p. 117; 1019, p. 157; 1026, p. 149). City of Pasadena well 1. South well of 3 at city hall in Pasadena. Water level, in feet below land-surface datum, 1946: Apr. 26, 185.99.

1204. Harris County. At former reform school in South Houston. Unused drilled well, diameter 10 inches, depth about 1,200 feet. Measuring point, top of casing, 1.0 foot above land-surface datum. Water levels, in feet above land-surface datum, 1946: Apr. 26, 138.38; July 5, 142.59; Sept. 4, 148.45; Dec. 3, 149.20.

1205 (*889-C, p. 239; 909, p. 156; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 157; 1026, p. 149). City of South Houston well 1. South well of 5 at city water works in South Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	116.25	July 5	115.08	Dec. 3	115.82
Apr. 25	114.88	Sept. 4	115.76		

1209 (*777, p. 214; 840, p. 439; 845, p. 503; *889-C, p. 239; 909, p. 156; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 157; 1026, p. 149). Texas Fireworks Distributing Co. At South Houston.

1209--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 28	63.39	July 5	63.30	Dec. 3	67.29
Apr. 25	63.73	Sept. 4	64.71		

1229 (*889-C, p. 239; *947, pp. 135-6; *989, p. 152; 1019, p. 157; 1026, p. 149). City of Houston test well 8. On Spencer Highway, 5 miles east of South Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	139.68	July 5	144.01	Nov. 14	149.82
Apr. 25	140.94	Sept. 4	147.24	Dec. 4	150.44

1230 (*889-C, p. 239; *947, p. 136; *989, p. 152; 1019, p. 157; 1026, p. 149). City of Houston test well 9. On Spencer Highway, 3 miles east of South Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	149.55	July 5	155.97	Nov. 14	162.51
Apr. 25	152.99	Sept. 4	162.28	Dec. 4	163.29

1234 (*889-C, p. 240; *947, p. 136; *989, p. 152; 1019, p. 157; 1026, p. 149). City of South Houston well 3. At city water works, in South Houston. Water level, in feet below land-surface datum, 1946: Jan. 28, 99.50.

1266 (*889-C, p. 242; *989, p. 152; 1019, p. 157; 1026, p. 149). City of South Side Place well 2. At city water works, in South Side Place. Water level, in feet below land-surface datum, 1946: Jan. 18, 108.

1267 (*889-C, p. 242; *989, p. 152; 1019, p. 157; 1026, p. 149). City of South Side Place well 3. At city water works, in South Side Place.

Water level, in feet below land-surface datum, 1946

Jan. 18	84.22	July 11	88.82	Dec. 2	92.98
Apr. 19	85.23	Sept. 17	95.80		

1302 (*777, p. 214; 840, p. 439; 845, p. 504; *889-C, p. 245; 947, p. 136; *989, p. 152; 1019, p. 157; 1026, p. 149). City of Genoa. In Genoa. Water levels, in feet below land-surface datum, 1946: Apr. 24, 125.47; July 5, 128.29; Sept. 4, 133.53; Dec. 3, 132.73.

1360 (*777, p. 214; 840, p. 439; 845, p. 504; *889-C, p. 247; 947, p. 137; *989, p. 153; 1019, p. 157; 1026, p. 149). S. Siabara. About 0.25 mile east of Webster.

Water level, in feet below land-surface datum, 1946

Jan. 28	84.89	July 5	86.83	Dec. 3	85.47
Apr. 24	84.11	Sept. 4	87.87		

1369 (*889-C, p. 247; *1019, p. 158; 1026, p. 150). City of South Houston well 2. At city water works, in South Houston.

Water level, in feet below land-surface datum, 1946

Jan. 28	141.60	July 5	152.66	Dec. 3	159.00
Apr. 25	144.55	Sept. 4	157.66		

1370. Harris County Water Control & Improvement District well 2. At Green's Bayou, on north side of Market Street road, 4.5 miles northwest of Pasadena. Used drilled public-supply well, diameter 16 to 10 inches, depth about 800 feet. Measuring point, lower edge of port hole in side of pump, 2.0 feet above land-surface datum. Equipped with deep-well turbine pump and electric motor.

1370--Continued.

Water level, in feet below land-surface datum, 1944-46

Date	Water level	Date	Water level	Date	Water level
Dec. 7, 1944	145.81	June 22, 1945	151.27	Apr. 29, 1946	150.89
Mar. 19, 1945	145.52	Jan. 31, 1946	146.50	Dec. 5	160.51

1374 (*889-C, p. 248; *989, p. 153; 1019, p. 158; 1026, p. 150). Harris County Fresh Water District No. 5. No measurements made in 1946.

1398 (*889-C, p. 250; *989, p. 153; 1019, p. 158; 1026, p. 150). Mission Manufacturing Co. well 2. On U. S. Highway 59, 3.25 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Apr. 23, 110.48; July 12, 118.90; Dec. 5, 124.34.

1414 (*889-C, p. 252; *989, p. 153; 1019, p. 158; 1026, p. 150). Harris County Water Control & Improvement District 3 well 2. At 816 Rosslyn Street, in Garden Oaks subdivision. Water levels, in feet below land-surface datum, 1946: Feb. 5, 110.51; May 19, 112.50; July 13, 114.26; Dec. 2, 120.61.

1417 (*1019, p. 158; 1026, p. 150). Houston Lighting & Power Co. well 1. 9 miles southwest of Houston courthouse.

Water level, in feet below land-surface datum, 1946

Jan. 8	82.28	July 9	86.71	Dec. 13	91.66
May 1	83.70	Sept.16	92.08		

1418 (*1019, p. 158; 1026, p. 150). W. B. Nelson. On Hall road, 13 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 28, 118.48; Apr. 24, 118.41.

1419 (*1019, p. 158; 1026, p. 150). W. B. Nelson. On Hall road, 13 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1946: Jan. 28, 7.03; Apr. 24, 7.16.

1420 (*1019, p. 158; 1026, p. 150). City of Galena Park well 2. At city water works, in Galena Park. Water levels, in feet below land-surface datum, 1946: Jan. 31, 167.20; July 15, 181.15; Dec. 5, 185.96.

1421. Tennessee Coal & Iron Railroad Co. well 2. U. S. Steel Co. About 30 feet west of scale house, at Clinton docks, 6.5 miles southeast of Houston courthouse. Used drilled industrial well, diameter 12 inches, depth about 600 feet. Measuring point, top of breather hole in pump base, 1.3 feet above land-surface datum. Equipped with deep-well turbine pump and 20 horsepower electric motor.

Water level, in feet below land-surface datum, 1943-44, 1946

Sept.27, 1943	138.00	Mar. 23, 1944	141.10	Jan. 31, 1946	156.60
Dec. 7	141.23	Sept.12	164.20	Sept. 6	173.12
Jan. 21, 1944	143.10				

1422. Mission Manufacturing Co. well 1. 3.25 miles northeast of Houston courthouse, on U. S. Highway 59, about 50 feet west of well 1398. Rarely used drilled industrial well, diameter 10 inches, depth about 500 feet, measuring point, top of hole in pump base, 1.5 feet above land surface. Equipped with deep-well turbine pump and electric motor.

Water level, in feet below land-surface datum, 1943-46

Sept.20, 1943	101.66	Sept.13, 1944	108.50	Feb. 5, 1946	109.28
Jan. 25, 1944	101.57	Dec. 6	105.60	July 7	118.03
Apr. 24	102.05	Jan. 23, 1945	104.05	Sept. 3	123.46
May 16	102.25	Mar. 17	104.84	Dec. 5	123.26
July 17	107.10	June 22	112.76		

1423. Clarence Nelson. Near Hall road, 13 miles southeast of Houston courthouse. Used drilled rice-irrigation well, diameter 20 inches, depth 1,347 feet. Measuring point, top of casing, 1.5 feet above land-surface datum. Equipped with deep-well turbine pump and electric motor. Water level, in feet below land-surface datum, 1946: Apr. 24, 117.68.

1424. Harris County Water Control & Improvement District 3 well 3. At Alba and Sue Barnett Streets in Garden Oaks subdivision, 6 miles northwest of Houston courthouse. Used drilled public-supply well, diameter 13 inches, depth about 850 feet. Measuring point, lower edge of port hole in pump base, 2.0 feet above land-surface datum. Equipped with deep-well turbine pump and electric motor. Water levels, in feet below land-surface datum, 1946: Feb. 5, 102.57; May 20, 103.70; July 13, 106.11; Dec. 2, 112.86.

1500 (*1019, p. 159; 1026, p. 150). Texas-Gulf Production Co. 8 miles west of Humble.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 10	46.01	July 10	45.66	Dec. 18	29.12
May 28	45.33	Dec. 16	28.94		

1501 (*1019, p. 159; 1026, p. 150). A. T. McDannald. 4.75 miles south of Humble. Water levels, in feet below land-surface datum, 1946: Jan. 10, 31.72; July 12, 31.81; Dec. 16, 32.86.

1502 (*1019, p. 159; 1026, p. 150). Jack Frazier Drilling Co. 7.75 miles south of Humble.

Water level, in feet below land-surface datum, 1946

Jan. 10	87.30	July 12	87.75	Dec. 16	91.75
May 28	86.80	Sept.23	90.42		

1503 (*1019, p. 159; 1026, p. 150). R. R. Michel test hole O-1. 1.5 miles southwest of Tom Ball.

Water level, in feet below land-surface datum, 1946

Jan. 17	28.88	July 9	27.06	Dec. 6	28.39
May 22	27.83	Sept.19	28.22		

1504 (*1019, p. 159; 1026, p. 150). Bogs Estate test hole N-1. 1 mile north of Huffsmith.

Water level, in feet below land-surface datum, 1946

Jan. 11	21.86	July 9	19.24	Dec. 6	19.16
May 22	20.43	Sept.19	20.79		

1505 (*1019, p. 160; 1026, p. 150). Wm. Tautenhahn test hole U-1. 0.25 mile north of Westfield.

Water level, in feet below land-surface datum, 1946

Jan. 10	10.79	July 10	8.39	Dec. 6	10.19
May 28	8.32	Sept.20	14.35		

1506 (*1019, p. 160; 1026, p. 150). Sinclair-Prairie Oil Co. 3.5 miles northeast of Fairbanks.

Water level, in feet below land-surface datum, 1946

Feb. 5	55.56	July 9	56.59	Dec. 17	60.22
May 22	55.15	Sept.19	62.29		

1507 (*1019, p. 160; 1026, p. 150). Stanolind Oil & Gas Co. 3.75 miles northeast of Fairbanks.

Water level, in feet below land-surface datum, 1946

Feb. 5	57.23	July 10	58.26	Dec. 17	62.28
May 22	56.87	Sept.19	64.28		

Hays County

106 (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 160; 1026, p. 151). Henry Armbruster. 1.25 miles northwest of Buda. Water level, in feet below land-surface datum, 1946: Mar. 23, 121.55.

110 (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 160; 1026, p. 151). M. O. Rogers. 7 miles west of Buda. Water level, in feet below land-surface datum, 1946: Mar. 22, 29.50.

113 (*989, p. 153; 1019, p. 160; 1026, p. 151). Otto Schwartz. No measurements made in 1946.

126 (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 160; 1026, p. 151). F. W. Zimmerman. 9.75 miles west of Buda. Water level, in feet below land-surface datum, 1946: Mar. 22, 92.78.

234a (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 161; 1026, p. 151). N. E. Hughes. 0.25 mile northwest of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 13.04.

349 (*909, p. 158; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 161; 1026, p. 151). E. Brooks. 1.75 miles northwest of San Marcos. Water level, in feet below land-surface datum, 1946: Mar. 21, 162.78.

504 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161; 1026, p. 151). Glynn C. Key. 2.3 miles west of Hays-Travis county line, on U. S. Highway 290. Water level, in feet below land-surface datum, 1946: Mar. 29, 34.86.

505 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161; 1026, p. 151). Glynn C. Key. 2 feet north of well 504. Water level, in feet below land-surface datum, 1946: Mar. 29, 47.62.

506 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161; 1026, p. 151). John L. Tinney. 0.7 mile east of Dripping Springs. Water level, in feet below land-surface datum, 1946: Mar. 29, 5.25.

507 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161; 1026, p. 151). John L. Tinney. 0.7 mile east of Dripping Springs. Water level, in feet below land-surface datum, 1946: Mar. 29, 52.88.

524 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161; 1026, p. 151). H. W. Hageman. 1.8 miles north of San Marcos. Water level, in feet below land-surface datum, 1946: Mar. 22, 31.51.

528 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161; 1026, p. 151). F. N. Whaley. 4.75 miles north of San Marcos. Water level, in feet below land-surface datum, 1946: Mar. 22, 94.36.

529 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161; 1026, p. 151). Nicholas Thiele. At south edge of Kyle. Water level, in feet below land-surface datum, 1946: Mar. 22, 137.73.

532 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161; 1026, p. 151). John Butler. 3.2 miles north of Kyle. Water level, in feet below land-surface datum, 1946: Mar. 22, 87.93.

534 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161; 1026, p. 151). J. J. Horton. In Buda. Water level, in feet below land-surface datum, 1946: Mar. 23, 92.35.

535 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161; 1026, p. 152). Thomas Yoe. 0.2 mile south of Hays-Travis county line, on U. S. Highway 81.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	25.88	Apr. 4	25.49	Aug. 3	25.38	Nov. 7	23.75
Feb. 7	25.78	28	25.08	Sept. 2	24.38	Dec. 2	22.93
Mar. 5	25.68	July 2	24.89	Oct. 2	23.98		

543 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161; 1026, p. 152). W. P. Donaldson. 2.6 miles southwest of San Marcos. Water level, in feet below land-surface datum, 1946: Mar. 20, 6.85.

553 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 161; 1026, p. 152). G. M. Jackson. 3 miles southwest of San Marcos. Water level, in feet below land-surface datum, 1946: Mar. 20, 118.98.

585 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). R. F. Clayton. 4.1 miles south of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 54.99.

586 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). W. A. Leath. 1 mile southeast of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 41.27.

590 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). Fred Boyett. 4.1 miles southwest of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 55.32.

591 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). Fred Boyett. 100 feet south of well 590. Water level, in feet below land-surface datum, 1946: Mar. 21, 7.39.

614 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). J. D. McCall. 6.8 miles south of Dripping Springs. Water level, in feet below land-surface datum, 1946: Mar. 21, 21.96.

615 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). Wiley Roberts. 4.6 miles south of Dripping Springs. Water level, in feet below land-surface datum, 1946: Mar. 21, 84.82.

629 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). J. N. Byler. 6.55 miles northwest of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 198.75.

677a (*845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). N. E. Hughes. At northwest edge of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 25.65.

677 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). J. E. Bryant. 6.5 miles north of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 74.56.

678 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 152). J. E. Bryant. 0.1 mile south of well 677. Water level, in feet below land-surface datum, 1946: Mar. 21, 219.52.

706 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162; 1026, p. 153). Jim Roberts. 0.9 mile north of Wimberly. Water level, in feet below land-surface datum, 1946: Mar. 21, 5.39.

Hockley County

5 (*840, p. 444; 845, p. 509; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 162; 1026, p. 153). Santa Fe Railway Co. In Smyer. Water level, in feet below land-surface datum, 1946: Feb. 28, 85.83.

7 (*840, p. 445; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 137; *989, p. 156; 1019, p. 162; 1026, p. 153). Mr. Pickard. South line of lab. 23, William Tubbs survey, 5.2 miles east of Levelland. Water level, in feet below land-surface datum, 1946: Feb. 28, 83.51.

24 (*840, p. 446; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 162; 1026, p. 153). R. Y. Hughen. SW¼ sec. 99, blk. A, R. M. Thomson Survey, 2 miles southeast of railroad depot in Anton. Water level, in feet below land-surface datum, 1946: Mar. 1, 24.04.

25 (*840, p. 446; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 162; 1026, p. 153). Texas Highway Dept. No measurements made in 1946.

28 (*840, p. 446; 845, p. 510; 886, p. 725; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 163; 1026, p. 153). Dan Jackson and Paul Whitfield. NW. corner SW¼ sec. 106, blk. A, R. M. Thomson Survey, 0.35 mile west and 0.5 mile south of railroad station in Anton. Water level, in feet below land-surface datum, 1946: Mar. 1, 32.83.

29 (*840, p. 446; 845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 163; 1026, p. 153). A. L. Lindsey. SE. corner SE¼ sec. 124, blk. A, R. M. Thomson Survey, 1.7 miles west of railroad depot in Anton. Water level, in feet below land-surface datum, 1946: Mar. 1, 31.15.

126 (*845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 163; 1026, p. 153). W. M. Alexander. SE¼SE¼SW¼ sec. 89, blk. A, 3 miles south of Anton. Water level, in feet below land-surface datum, 1946: Mar. 1, 23.96.

Howard County

(No measurements made in 1946.)

Jackson County

5 (*840, p. 461; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 141; *989, p. 159; 1019, p. 163; 1026, p. 153). Jackson County. At Upper Cordele School. Water level, in feet below land-surface datum, 1946: Apr. 15, 36.12.

6 (*840, p. 461; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). N. J. Marthiljohni. 1 mile south of Morales. Measuring point, top of casing, 2.4 feet above land-surface datum. Equipped with windmill. Measurements resumed. Water level, in feet below land-surface datum, 1946: Apr. 16, 35.05.

7 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 153). D. W. Schropshire. 1.25 miles north of Navidad. Water level, in feet below land-surface datum, 1946: Apr. 15, 43.63.

11a (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; 1019, p. 163; 1026, p. 153). Nellie Miller Estate. About 5 miles south of Morales. Water level, in feet below land-surface datum, 1946: Apr. 15, 37.16.

12 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). Measurements discontinued.

14 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). Mrs. C. V. Watson. 2.3 miles north of Cordele. Water level, in feet below land-surface datum, 1946: Apr. 15, 34.64.

56 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). A. H. Nagel. At Cordele. Water level, in feet below land-surface datum, 1946: Apr. 15, 33.96.

57 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). S. G. Drushel. At crossroads, 2.5 miles south of Cordele. Water level, in feet below land-surface datum, 1946: Apr. 15, 36.87.

64 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). Wm. Clifford. No measurements made in 1946.

66 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). S. J. and E. F. Swenson. 5 miles northeast of Edna. Water level, in feet below land-surface datum, 1946: Apr. 15, 35.90.

69 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163; 1026, p. 154). A. E. Westhoff. 2.5 miles northeast of Edna. Water level, in feet below land-surface datum, 1946: Apr. 15, 31.99.

71 (*840, p. 462; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 160; 1019, p. 163). W. Rogers. 3.7 miles west of Edna. Water level, in feet below land-surface datum, 1946: Apr. 16, 26.74.

78 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). Rose, Sample, Taylor, & Bagby. 2 miles east of Edna. Water level, in feet below land-surface datum, 1946: Apr. 16, 29.05.

88 (*840, p. 463; 845, p. 515; 947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). A. E. Westhoff. 6 miles southeast of Edna. Water level, in feet below land-surface datum, 1946: Apr. 16, 20.75.

103 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). A. C. Wilbeck. 6 miles northwest of Ganado. Water level, in feet below land-surface datum, 1946: Apr. 15, 36.12.

105 (*947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). A. M. Robinson. 4 miles north of Ganado. Water level, in feet below land-surface datum, 1946: Apr. 15, 32.33.

108a (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 127; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). Sugarland Fig Growers Association. In Ganado. Water level, in feet below land-surface datum, 1946: Apr. 16, 27.14.

115 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). Measurements discontinued.

123 (*840, p. 465; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164; 1026, p. 154). Measurements discontinued.

154 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126; 947, p. 142; 989, p. 160; 1019, p. 164). Measurements discontinued.

180 (*840, p. 464; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126; 947, p. 143; 1019, p. 164; 1026, p. 155). Measurements discontinued.

229 (*840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; 947, p. 143; *989, p. 160; 1019, p. 164; 1026, p. 155). W. A. Utzman. 3 miles north of Vanderbilt. Water level, in feet below land-surface datum, 1946: Apr. 16, 33.52.

230 (*840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; 947, p. 143; *989, p. 160; 1019, p. 164; 1026, p. 155). Royal Dedman. 5.5 miles northeast of Vanderbilt. Water level, in feet below land-surface datum, 1946: Apr. 16, 35.69.

304 (*947, p. 143; *989, p. 160). O. B. Fenner. No measurements made in 1946.

305 (*947, p. 143). O. B. Fenner. No measurements made in 1946.

313 (*947, p. 143; *989, p. 161; 1019, p. 164; 1026, p. 155). G. A. Harrison. 4 miles northeast of Edna. Water level, in feet below land-surface datum, 1946: Apr. 15, 29.16.

318 (*947, p. 143; *989, p. 161; 1019, p. 164; 1026, p. 155). Geo. Carstien. 5 miles north of Ganado. Water level, in feet below land-surface datum, 1946: Apr. 15, 30.25.

322 (*947, p. 143; *989, p. 161; 1019, p. 164; 1026, p. 155). Mrs. B. W. Martin. 2 miles northwest of Ganado. Water level, in feet below land-surface datum, 1946: Apr. 15, 30.35.

337 (*947, p. 143; *989, p. 161; 1019, p. 164; 1026, p. 155). Rose & Sample. 9 miles southeast of Ganado. Water level, in feet below land-surface datum, 1946: Apr. 16, 22.14.

338 (*947, p. 143; *989, p. 161; 1019, p. 165; 1026, p. 155). Measurements discontinued.

357 (*947, p. 143; *989, p. 161; 1019, p. 165; 1026, p. 155). A. V. Raplee. 10 miles south of Francitas. Water level, in feet below land-surface datum, 1946: Apr. 16, 12.01.

Jim Wells County

193 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1026, p. 155). M. Morales. No measurements made in 1946.

206 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1026, p. 155). Emilio Barrera. No measurements made in 1946.

207 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1026, p. 155). Roman Saenz. No measurements made in 1946.

221 (*777, p. 215; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1026, p. 156). Felix Perez Cadena. No measurements made in 1946.

222 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1026, p. 156). Manuel Cadena. No measurements made in 1946.

242 (*989, p. 161; 1019, p. 165; 1026, p. 156). Hormigas (owner's name for well). King Estate. 6.5 miles south of Ben Bolt. Water level, in feet below land-surface datum, 1946: Mar. 13, 82.19.

244 (*989, p. 161; 1019, p. 165; 1026, p. 156). Ella well (owner's name for well). King Estate. 9.5 miles north of Premont. Water level, in feet below land-surface datum, 1946: Mar. 13, 87.20. Measurements discontinued.

252 (*777, p. 215; 840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 162; 1026, p. 156). Cerapio Hinojosa. No measurements made in 1946.

253 (*777, p. 215; 840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 162; 1026, p. 156). San Juan Hinojosa. No measurements made in 1946.

269 (*989, p. 162; 1019, p. 165; 1026, p. 156). R. P. Wynne. 4 miles north of Premont. Water level, in feet below land-surface datum, 1946: Mar. 13, 76.43.

292 (*989, p. 162; 1026, p. 156). Measurements discontinued.

307 (*989, p. 162; 1026, p. 156). A. R. Clarke. No measurements made in 1946.

316 (*989, p. 162; 1019, p. 165; 1026, p. 156). C. T. Hewitt. No measurements made in 1946.

329 (*1026, p. 156). Texas & New Orleans Railroad Co. 0.5 mile south of Premont. Water level, in feet below land-surface datum, 1946: Mar. 13, 85.32.

346 (*989, p. 162; 1019, p. 165). Charlie Premont. No measurements made in 1946.

357 (*989, p. 162; 1019, p. 165; 1026, p. 156). Nelson English. No measurements made in 1946.

359 (*989, p. 162; 1019, p. 165; 1026, p. 156). E. J. Corrigan. No measurements made in 1946.

374 (*777, p. 216; 840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 162; 1019, p. 165; 1026, p. 156). E. G. Maun. 4.5 miles northwest of Falfurrias. Water level, in feet below land-surface datum, 1946: Mar. 13, 39.21.

377 (*989, p. 162; 1019, p. 165; 1026, p. 157). Dale Maun. 7 miles southwest of Premont. Water level, in feet below land-surface datum, 1946: Mar. 12, 25.60.

382 (*989, p. 163; 1026, p. 157). J. H. Patzakowsky. No measurements made in 1946.

397 (*989, p. 163; 1019, p. 165; 1026, p. 157). John Minten. 5 miles southeast of Premont. Water level, in feet below land-surface datum, 1946: Mar. 13, 44.92.

399 (*989, p. 163; 1019, p. 165; 1026, p. 157). O. M. Boone. 5.25 miles south of Premont. Water levels, in feet below land-surface datum, 1946: Mar. 13, 62.67; Mar. 14, 62.52.

418 (*989, p. 163; 1019, p. 166; 1026, p. 157). City of Premont. No measurements made in 1946.

Kinney County

XK-1 (*840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166; 1026, p. 157). Ethel Whitaker. 2 miles west of Cline. Water level, in feet below land-surface datum, 1946: Apr. 2, 77.41.

XK-5 (*840, p. 465; 845, p. 516; 886, p. 728; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166; 1026, p. 157). Judge John Fritter. 6 miles east of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 37.39.

XK-6 (*840, p. 465; 845, p. 516; 886, p. 728; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1026, p. 157). Dr. B. F. Orr. No measurements made in 1946.

XK-9 (*840, p. 465; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166; 1026, p. 157). C. J. Poehler. 3.75 miles west of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 43.83.

XK-11 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166; 1026, p. 157). J. F. Beidler. 7 miles west of Bracketville. Water level, in feet below land-surface datum, 1946: Apr. 2, 32.14.

XK-12 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166; 1026, p. 157). J. F. Beidler. 12.5 miles west of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 23.61.

XK-13 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166; 1026, p. 157). Howard Roberts. 17.5 miles west of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 68.48.

XK-17 (*909, p. 170; 939, p. 127; 947, p. 144; *989, p. 164; 1019, p. 166; 1026, p. 157). Jimmy Lowrance. 1 mile west of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 50.32.

XK-112 (*886, p. 729; 909, p. 170; 939, p. 127; *989, p. 164; 1019, p. 166; 1026, p. 157). E. Webb. 7.65 miles north of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 3, 204.05.

XK-114 (*886, p. 729; 909, p. 170; 939, p. 127; 947, p. 144; *989, p. 164; 1019, p. 166; 1026, p. 157). E. Webb. 7.5 miles north of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 70.64.

XK-116 (*886, p. 729; 909, p. 170; 939, p. 127; 947, p. 144; *989, p. 164; 1019, p. 166; 1026, p. 158). J. D. Harwood. 10 miles north of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 141.64.

XK-163 (*886, p. 730; 909, p. 170; 939, p. 127; *989, p. 164; 1026, p. 158). Edward May. No measurements made in 1946.

XK-170 (*909, p. 170; 939, p. 127; 947, p. 144). Nolan & Postell. 13 miles northeast of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 3, 194.60.

XK-180 (*836, p. 730; 909, p. 171; 939, p. 127; 947, p. 144; *989, p. 164). N. P. Petersen. 1 mile south of Laguna-Brackettville road, 9.95 miles by road northeast of Brackettville post office. Water level, in feet below land-surface datum, 1946: Apr. 3, 180.45.

XK-187 (*909, p. 171; 939, p. 128; 947, p. 144; *989, p. 164; 1019, p. 166; 1026, p. 158). Mrs. G. A. Garrison. 9.5 miles east of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 82.91.

XK-196 (*886, p. 730; 909, p. 171; 939, p. 128; 947, p. 144; *989, p. 164). Judge John Fritter. No measurements made in 1946.

XK-198 (*909, p. 171; 939, p. 128; 947, p. 144; *989, p. 164; 1019, p. 167; 1026, p. 158). Charley Zinsmeister. 5 miles west of Brackettville. Water level, in feet below land-surface datum, 1946: Apr. 2, 45.72.

XK-199 (*909, pp. 172-173; 939, p. 128; 947, p. 144; *989, p. 164). E. Webb. 1 mile north of Brackettville post office.

Water level, in feet below land-surface datum, 1944-46

Date	Water level	Date	Water level	Date	Water level
May 2, 1944	40.29	Dec. 22, 1944	40.81	Apr. 2, 1946	40.82
Aug. 17	40.74	June 5, 1945	41.58		

Kleberg County

13 (*773-D, pp. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 128; *989, p. 164; 1019, p. 167; 1026, p. 158). Tamales (owner's name for well). King Estate. 8 miles northwest of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 14, 79.53.

15 (*773-D, pp. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 128; *989, p. 164; 1019, p. 167; 1026, p. 158). Puertos (owner's name for well). King Estate. 5 miles northwest of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 14, 78.89.

23 (*773-D, pp. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 128; *989, p. 164; 1019, p. 167; 1026, p. 158). Caldero (owner's name for well). King Estate. 2.25 miles west-southwest of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 14, 86.97.

31 (*773-D, pp. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167; 1026, p. 158). Liberty (owner's name for well). King Estate. 2 miles south of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 14, 74.41.

35 (*773-D, pp. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167; 1026, p. 158). Silo (owner's name for well). King Estate. 1.5 miles southeast of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 14, 80.03.

64 (*773-D, pp. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167; 1026, p. 158). King Estate. No measurements made in 1946.

73 (*773-D, pp. 210, 222; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165). Joe Stelzig. No measurements made in 1946.

91 (*773-D, pp. 210, 222; *989, p. 165; 1026, p. 158). City of Kingsville. No measurements made in 1946.

92 (*773-D, pp. 210, 222; *989, p. 165). City of Kingsville. No measurements made in 1946.

188 (*773-D, pp. 211, 223; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 165; 1019, p. 167; 1026, p. 159). J. R. Trussell. 3.5 miles south of Kingsville. Water level, in feet below land-surface datum, 1946: Mar. 15, 58.94.

190 (*773-D, pp. 211, 223; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 165; 1019, p. 167). L. E. Flato and others. No measurements made in 1946.

217 (*773-D, p. 211, 223; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 166; 1026, p. 159). J. R. Trussell. No measurements made in 1946.

257 (*773-D, p. 211, 224; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168; 1026, p. 159). Mrs. J. Talty. No measurements made in 1946.

278 (*773-D, pp. 211, 224; *989, p. 166). H. Andrews. No measurements made in 1946.

282 (*773-D, pp. 211, 224; 845, p. 518; 886, p. 731; 909, p. 174; *989, p. 166; 1019, p. 168; 1026, p. 159). Pete Christensen. No measurements made in 1946.

283 (*773-D, pp. 211, 224; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168; 1026, p. 159). W. H. Bensman. No measurements made in 1946.

375 (*773-D, pp. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168; 1026, p. 159). Noria Honda (owner's name for well). King Estate. 12 miles west of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 15, 28.19.

380 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168; 1026, p. 159). Telephone 1 (owner's name for well). King Estate. 13 miles southwest of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 15, 28.39.

382 (*773-D, pp. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1026, p. 159). King Estate. No measurements made in 1946.

383 (*773-D, pp. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168; 1026, p. 159). King Estate. No measurements made in 1946.

384 (*773-D, pp. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1026, p. 159). Aljibes (owner's name for well). King Estate. 7 miles west of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1946: Mar. 15, 15.42.

385 (*773-D, pp. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1026, p. 159). King Estate. No measurements made in 1946.

406 (*773-D, pp. 211, 226; 845, p. 518; 909, p. 174; 939, p. 130; *989, p. 166; 1026, p. 160). King Estate. No measurements made in 1946.

Lamb County

1 (*840, p. 466; 845, p. 518; 886, p. 231; 909, p. 174; 939, p. 130; 947, p. 145; *989, p. 166; 1019, p. 168; 1026, p. 160). H. H. Engleking. NW. corner SE¼ sec. 14, blk. W, 11 miles west and 4.5 miles north of Earth. Water level, in feet below land-surface datum, 1946: Mar. 1, 68.17.

3a (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 130; 947, p. 145; *989, p. 166; 1019, p. 168; 1026, p. 160). J. P. Crawford. NW. corner SW¼ sec. 30, blk. W, 11 miles west and 3 miles north of Earth. Water level, in feet below land-surface datum, 1946: Mar. 1, 26.48.

6 (*845, p. 518; 886, p. 731; 909, p. 174; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 168; 1026, p. 160). Albert Lavigne. No measurements made in 1946.

7 (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 168; 1026, p. 160). Lillie Bickle. NW¼SW¼ sec. 46, blk. W, 11 miles west and 1 mile north of Earth. Water level, in feet below land-surface datum, 1946: Feb. 28, 14.34.

8 (*840, p. 467; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 168; 1026, p. 160). J. L. Withrow. NW. corner NE¼ sec. 51, blk. W, 0.5 mile north of U. S. Highway 70 and 0.5 mile east of Bailey-Lamb county line. Water level, in feet below land-surface datum, 1946: Feb. 28, 14.67.

13 (*840, p. 467; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 169; 1026, p. 160). John Fryie. NW. corner NW¼ sec. 45, blk. W, 10 miles west and 1.5 miles north of Earth. Water level, in feet below land-surface datum, 1946: Mar. 1, 18.03.

16 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 169; 1026, p. 160). R. L. Brown. NW. corner NE¼SE¼ sec. 30, blk. W, 10 miles west and 3 miles north of Earth. Water level, in feet below land-surface datum, 1946: Mar. 1, 32.98.

19 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 169; 1026, p. 160). Josephine Roubineck. No measurements made in 1946.

30 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 167; 1019, p. 169; 1026, p. 160). J. M. Young. NE¼NE¼SE¼ sec. 38, blk. W, 7 miles west and 2 miles north of Earth. Water level, in feet below land-surface datum, 1946: Feb. 28, 21.95.

38 (*840, p. 467; 845, p. 519; 947, p. 146; *989, p. 167; 1019, p. 169; 1026, p. 160). Zeb Smith. SE¼NE¼NE¼ sec. 57, blk. 2, 5 miles west and 2 miles north of Earth. Water level, in feet below land-surface datum, 1946: Feb. 28, 36.92.

60 (*840, p. 467; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 167; 1019, p. 169; 1026, p. 160). S. A. Davis. NW. corner SE¼ sec. 69, blk. 1, 0.5 mile northwest of Springlake. Water level, in feet below land-surface datum, 1946: Feb. 28, 69.92.

76 (*840, p. 468; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 167; 1019, p. 169; 1026, p. 160). F. E. Gladden. NW. corner NE¼ sec. 12, blk. T, T. A. T. Survey, 10 miles east of Earth. Water level, in feet below land-surface datum, 1946: Mar. 2, 68.89.

88 (*845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 168; 1019, p. 169; 1026, p. 161). Halsell Cattle Co. SW¼ lab. 20, league 238, on east side of Amherst-Earth road, 8.5 miles south of Earth. Water level, in feet below land-surface datum, 1946: Mar. 2, 35.29.

108 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 175; 939, p. 131; 947, p. 146; *989, p. 168; 1019, p. 169; 1026, p. 161). Texas Highway Dept. No measurements made in 1946.

231 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131; 947, p. 146; *989, p. 168; 1019, p. 170). Vincent Peterman. Center of NE¼ lab. 16, league 218, on south side of U. S. Highway 84, 2 miles southeast of Bailey-Lamb county line. Water level, in feet below land-surface datum, 1946: Mar. 2, 94.21.

236 (*840, p. 468; 845, p. 519; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 168; 1019, p. 170; 1026, p. 161). L. D. Criswell. NW¼SE¼ lab. 24, league 649, 1 mile north of U. S. Highway 84, 2 miles east of Amherst. Water level, in feet below land-surface datum, 1946: Mar. 2, 71.52.

243 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 168; 1019, p. 170; 1026, p. 161). Les Barker. Center of lab. 5, league 664, on south side of U. S. Highway 84, 1.5 miles northwest of Littlefield. Water level, in feet below land-surface datum, 1946: Mar. 2, 75.59.

251a (*886, p. 733; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 168; 1019, p. 170; 1026, p. 161). G. Y. Oxford. No measurements made in 1946.

322 (*840, p. 468; 845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 169; 1019, p. 170; 1026, p. 161). Yellow House Land Co. NW. corner lab. 16, league 671, on north side of U. S. Highway 84 and Panhandle & Santa Fe Railway, 4.5 miles southeast of Littlefield. Water level, in feet below land-surface datum, 1946: Mar. 2, 41.18.

341a (*845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 169; 1019, p. 170; 1026, p. 161). Yellow House Land Co. SE. corner NW¼NE¼ lab. 23, league 671, 0.5 mile north of Yellow House railroad switch. Water level, in feet below land-surface datum, 1946: Mar. 2, 41.72.

342a (*845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 169; 1019, p. 170; 1026, p. 161). R. M. Love. No measurements made in 1946.

Lubbock County

3a (*845, p. 522; 886, p. 735; 909, p. 177; 939, p. 133; 947, p. 147; *989, p. 169; 1019, p. 170; 1026, p. 161). E. E. Winters. NE¼NE¼NE¼ sec. 43, blk. P, 0.5 mile north of U. S. Highway 84. Water level, in feet below land-surface datum, 1946: Mar. 2, 24.40.

37 (*909, p. 177; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170; 1026, p. 161). L. K. Fowler. NW¼NW¼ sec. 149, blk. C, 17 miles northeast of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 1, 72.36.

64a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170; 1026, p. 161). W. O. Fortenberry. NE¼NW¼ sec. 30, blk. D, 0.4 mile east of U. S. Highway 87, 10.5 miles north of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 90.31.

74a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170; 1026, p. 162). J. S. George. SW¼SE¼ sec. 37, blk. A, 1.5 miles west of U. S. Highway 85, 6.5 miles north of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 33.74.

74b (*886, p. 735; 909, p. 178; 939, p. 133; *989, p. 169; 1019, p. 170; 1026, p. 162). J. S. George. NE¼NW¼ sec. 37, blk. A, 7.5 miles north of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 34.04.

77a (*845, p. 522; 886, p. 735; 909, p. 178; 947, p. 148; *989, p. 169; 1019, p. 170; 1026, p. 162). J. H. Felton. NE¼SE¼SE¼ sec. 35, blk. A, 6 miles north of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 72.21.

81 (*840, p. 470; 845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170; 1026, p. 162). J. E. Vickers. NE¼SE¼ sec. 27, blk. A, 0.2 mile west of U. S. Highway 87, 5 miles north of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 41.98.

99 (*840, p. 470; 845, p. 522; 909, p. 178; 947, p. 148; *989, p. 169; 1019, p. 171; 1026, p. 162). R. B. Gray. SW¼NE¼ sec. 37, blk. P, 4 miles northwest of Shallowater. Water level, in feet below land-surface datum, 1946: Mar. 2, 31.83.

101 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1026, p. 162). O. P. Bowser. No measurements made in 1946.

107 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171; 1026, p. 162). B. G. Lockey. SW¼NE¼ sec. 27, blk. D5, on north side of U. S. Highway 84, in Shallowater. Water level, in feet below land-surface datum, 1946: Mar. 2, 46.41.

118 (*845, p. 523; 886, p. 736; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171; 1026, p. 162). W. P. Martin. NW¼NE¼ sec. 17, blk. JS, 9 miles west of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 81.81.

121 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171; 1026, p. 162). Mr. Brown. No measurements made in 1946.

123 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171; 1026, p. 162). Travis Tubbs. SW¼NW¼ sec. 9, blk. JS, 6 miles west of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 63.82.

128 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171; 1026, p. 162). Rufus Rush. West line of SW¼NE¼ sec. 3, blk. E2, 0.6 mile north of State Highway 24, 2.5 miles west of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 1, 41.65.

138 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1026, p. 162). Edith Collie. NE¼NE¼ sec. 25, blk. JS, 7 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 1, 38.35.

139 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171; 1026, p. 162). O. C. Ballard. NE¼NE¼ sec. 23, blk. JS, 7 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 25.39.

150a (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171; 1026, p. 162). M. C. Gibson. NW¼NW¼ sec. 14, blk. A, between U. S. Highway 84 and Panhandle & Santa Fe Railway, 5.5 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 25.40.

151 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171; 1026, p. 163). Broadview School. SE¼NW¼ sec. 14, blk. A, on south side of U. S. Highway 84, 3 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 26.04.

154 (*886, p. 736; 909, p. 178; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171; 1026, p. 163). John King. NE¼SW¼ sec. 22, blk. A, 4 miles west of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 1, 40.97.

156 (*845, p. 523; 886, p. 736; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171; 1026, p. 163). J. M. Phillips. SW¼SE¼ sec. 18, blk. A, 0.6 mile south of U. S. Highway 84, 3 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 1, 45.59.

185 (*886, p. 737; 909, p. 179; 939, p. 134; *1019, p. 171; 1026, p. 163). W. H. Massey. 1.75 miles east of county courthouse, on south side of Highway 82. Water level, in feet below land-surface datum, 1946: Mar. 1, 63.28.

188 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 171; 1019, p. 172; 1026, p. 163). State Experiment Farm. NE¼NW¼ sec. 5, blk. O, 3 miles east of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 80.96.

219 (*886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). Ed Harrison. NW. corner sec. 5, blk. RG, 0.5 miles east of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 39.53.

221 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). Bill Turner. NW. corner NW¼ sec. 156, blk. C, on south side of U. S. Highway 62, 2 miles east of Idalou. Water level, in feet below land-surface datum, 1946: Feb. 28, 54.63.

222 (*845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). R. T. Groves. NW¼NE¼ sec. 10, blk. RG, 1.2 miles south of U. S. Highway 62, 12 miles east of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 48.58.

223 (*845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). W. C. Grimes. SE¼SE¼ sec. 11, blk. RG, 12 miles east of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 42.36.

228 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 135; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). Measurements discontinued.

301 (*886, p. 738; 909, p. 180; 939, p. 135; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). S. D. Stewart. SE¼SE¼ sec. 68, blk. S, 8 miles south of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 51.82.

314 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 149; *989, p. 171; 1019, p. 172; 1026, p. 163). T. B. Zelner. SW. corner SE¼SW¼ sec. 17, blk. B, 4 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 45.30.

316 (*840, p. 471; 845, p. 525; 886, p. 738; 947, p. 149; *989, p. 171; 1026, p. 163). E. A. Hankins. NW¼NE¼ sec. 6, blk. E2, 4.75 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 60.37.

336a (*845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 150; *989, p. 171; 1019, p. 172; 1026, p. 164). Mrs. Mary Coons. SW¼SW¼ sec. 26, blk. AK, 0.8 mile south of U. S. Highway 62, 10 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 77.78.

339 (*909, p. 180; 939, p. 135; 947, p. 150; *989, p. 171; 1019, p. 172; 1026, p. 164). J. E. Hinson. NW¼NE¼ sec. 34, blk. AK, 8.5 miles west of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 61.46.

355 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 150; *989, p. 172; 1019, p. 172; 1026, p. 164). J. A. Medlock. SW¼NE¼ sec. 26, blk. CB, 0.5 mile west of U. S. Highway 62, 14 miles south of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 82.51.

369 (*840, p. 471; 845, p. 525; 909, p. 180; 947, p. 150; *989, p. 172; 1019, p. 172; 1026, p. 164). A. D. Thomas. NE¼NW¼ sec. 26, blk. 20, 0.5 mile west of U. S. Highway 87, 9.5 miles south of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 22, 76.92.

376 (*886, p. 738; 947, p. 150; *989, p. 172; 1019, p. 172; 1026, p. 164). Union Public School. SE¼SW¼ sec. 4, blk. 20, 12.5 miles south of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 91.03.

383 (*840, p. 472; 845, p. 525; 886, p. 738; 909, p. 180; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). H. B. Hobgood. NW¼NW¼ sec. 21, blk. CB, 0.2 mile east of U. S. Highway 62, 14 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1946: Feb. 28, 71.95.

387 (*840, p. 472; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). W. J. Garrett. NW¼SE¼ sec. 15, blk. B, 0.6 mile south of junction of U. S. Highway 62 and State Highway 24. Water level, in feet below land-surface datum, 1946: Mar. 1, 40.15.

388 (*840, p. 472; 845, p. 525; 886, p. 739; 909, p. 180; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). G. D. Taylor. No measurements made in 1946.

389 (*840, p. 472; 845, p. 525; 886, p. 739; 909, p. 180; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). E. Scott Jones. No measurements made in 1946.

391 (*840, p. 472; 845, p. 526; 886, p. 739; 909, p. 180; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). C. R. Moore. No measurements made in 1946.

392 (*840, p. 472; 845, p. 526; 886, p. 739; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). Mrs. Betty Lindsey and others. NE¼SW¼ sec. 13, blk. D6, on south side of State Highway 24, 10.25 miles west of its junction with U. S. Highway 62. Water level, in feet below land-surface datum, 1946: Feb. 28, 89.72.

395 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). H. W. Stanton. No measurements made in 1946.

397 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 164). C. L. Dean. NE. corner SE¼SW¼ sec. 13, blk. JS, 3.5 miles north and 3.5 miles west of Lubbock County courthouse. Water level, in feet below land-surface datum, 1946: Mar. 2, 16.07.

398 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173; 1026, p. 165). E. E. Ireland. SE¼SE¼ sec. 36, blk. D5, 8.5 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 15.82.

401 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 173; 1019, p. 173; 1026, p. 165). Virginia Bacon. SE. corner SE¼NW¼ sec. 39, blk. D, 0.6 mile west of U. S. Highway 87 and 8 miles north of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 2, 68.44.

402 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 173; 1019, p. 173; 1026, p. 165). Fort Worth & Denver City Railway Co. SW¼SW¼ sec. 65, blk. A, on railway right-of-way at Kitalou switch, 0.2 mile north of U. S. Highway 62. Water level, in feet below land-surface datum, 1946: Mar. 1, 36.13.

403 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 151; *989, p. 173; 1019, p. 173; 1026, p. 165). J. E. Smiley. SW. corner SW¼SE¼ sec. 56, blk. A, 8 miles northeast of Lubbock. Water level, in feet below land-surface datum, 1946: Mar. 1, 37.78.

Lynn County

(No measurements made in 1946.)

Matagorda County

3 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137; 947, p. 151; *989, p. 174; 1019, p. 174; 1026, p. 165). Southern Pacific Railroad Co. About 0.6 mile west of highway intersection at Midfield, 15 miles west of Bay City. Water level, in feet below land-surface datum, 1946: Apr. 16, 8.37.

33 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137; 947, p. 151; *989, p. 174; 1019, p. 174; 1026, p. 165). Turtle Bay School. 5 miles west of Palacios. Water level, in feet below land-surface datum, 1946: Apr. 16, 9.21.

40 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137; 947, p. 151; *989, p. 174; 1019, p. 174; 1026, p. 166). City of Palacios. At water works. Water level, in feet below land-surface datum, 1946: Apr. 16, 14.56.

Medina County

I-3-3 (*678, p. 118; 840, p. 479; 845, p. 529; 886, p. 471; 909, p. 184; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 174; 1026, p. 166). Gus Britch. 4.7 miles northeast of Hondo. Water level, in feet below land-surface datum, 1946: Apr. 4, 181.69.

I-3-4 (*678, p. 118; 840, p. 480; 845, p. 529; 909, p. 184; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 174; 1026, p. 166). H. W. McClain. 7.2 miles northeast of Hondo. Water level, in feet below land-surface datum, 1946: Apr. 4, 179.97.

I-4-18 (*678, p. 120; 840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 174; 1026, p. 166). Ross Kennedy Estate. 3.7 miles east of Sabinal. Water level, in feet below land-surface datum, 1946: Apr. 3, 219.58.

I-4-29 (*678, p. 120; 840, p. 480; 845, p. 530; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 175; 1026, p. 166). Will Kelly. 6.3 miles southwest of D'Hanis. Water level, in feet below land-surface datum, 1946: Apr. 3, 207.57.

I-4-30 (*678, p. 120; 840, p. 480; 845, p. 530; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 175; 1026, p. 166). Virgil Johnson. 12 miles southeast of D'Hanis. Water level, in feet below land-surface datum, 1946: Apr. 3, 42.37.

XM-1 (*840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 175; 1026, p. 166). Lenard Otto. 1 mile east of Castroville. Water level, in feet below land-surface datum, 1946: Apr. 1, 65.77.

XM-2 (*845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 175; 1019, p. 175; 1026, p. 166). F. C. Stinson. 6 miles north of Castroville. Water level, in feet below land-surface datum, 1946: Apr. 4, 145.79.

XM-3 (*840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 175; 1019, p. 175; 1026, p. 166). John Krenmueller. No measurements made in 1946.

Montgomery County

22 (*909, p. 187; 939, p. 139; 947, p. 152; *989, p. 175; 1019, p. 175; 1026, p. 166). City of Conroe. In Conroe.

22--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 11	3.95	July 10	10.57	Dec. 6	6.88
May 27	1.33	Sept.20	4.30		

29 (*840, p. 481; 845, p. 532; 886, p. 742; 909, p. 187; 947, p. 152; *989, p. 175; 1019, p. 175; 1026, p. 166). Brown Estate. 1.8 miles south of Conroe.

Water level, in feet below land-surface datum, 1946

Jan. 11	20.90	July 10	14.71	Dec. 6	15.63
May 27	15.51	Sept.20	19.48		

45 (*840, p. 482; 845, p. 532; 886, p. 742; 909, p. 187; 939, p. 139; 947, p. 152; *989, p. 175; 1019, p. 175; 1026, p. 166). Blair & Sons. At Tamina.

Water level, in feet below land-surface datum, 1946

Jan. 11	15.11	July 10	13.75	Dec. 6	12.26
May 27	14.63	Sept.20	14.18		

46 (*840, p. 482; 845, p. 532; 886, p. 742; 909, p. 187; 939, p. 140; 947, p. 153; *989, p. 175; 1019, p. 175; 1026, p. 167). E. W. Castleschout. 9.5 miles south of Conroe.

Water level, in feet below land-surface datum, 1946

Jan. 11	28.52	July 10	28.65	Dec. 6	28.45
May 27	28.56	Sept.20	28.96		

57 (*909, p. 187; 939, p. 140; 947, p. 152; *989, p. 175; 1019, p. 175; 1026, p. 167). R. E. Hicks. 2.25 miles northwest of Conroe.

Water level, in feet below land-surface datum, 1946

Jan. 11	39.76	July 10	39.02	Dec. 6	39.30
May 27	39.05	Sept.20	39.78		

140 (*1019, p. 175; 1026, p. 167). J. M. Liles test hole R-2. 1 mile north of Conroe.

Water level, in feet below land-surface datum, 1946

Jan. 11	7.07	July 10	6.21	Dec. 6	5.43
May 27	4.89	Sept.20	9.00		

Nacogdoches County

(No measurements made in 1946.)

Parmer County

(No measurements made in 1946.)

Randall County

6a (*845, p. 535; 886, p. 746; 909, p. 190; 939, p. 141; 947, p. 157; *989, p. 180). Owner unknown. NW. corner NW¼ sec. 4, blk. 9, 10.5 miles north of Canyon. Water level, in feet below land-surface datum, 1946: Mar. 1, 147.15.

76 (*840, p. 487; 845, p. 536; 909, p. 190; 939, p. 141; 947, p. 157; *989, p. 180). C. H. Ray. NW¼SW¼ sec. 33, blk. 1, T. T. R. R. Survey, 4.75 miles north of Canyon. Water level, in feet below land-surface datum, 1946: Mar. 1, 107.65.

83a (*845, p. 536; 886, p. 746; 909, p. 190; 939, p. 141; 947, p. 157; *989, p. 180). Owner unknown. SE. corner NE¼ sec. 28, blk. B5, 2 miles west of Canyon. Water level, in feet below land-surface datum, 1946: Mar. 1, 78.85.

103 (*840, p. 487; 845, p. 536; 886, p. 746; 909, p. 190; 939, p. 141; 947, p. 157; *989, p. 180). W. H. Bush Estate. SW¼NW¼NW¼ sec. 64, blk. B5, 1.2 miles south of Canyon. Water level, in feet below land-surface datum, 1946: Mar. 1, 9.80.

117 (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142; 947, p. 158; *989, p. 180). Melton Dooley. NE¼NW¼ sec. 128, blk. B5, 4.75 miles south of Canyon. Water level, in feet below land-surface datum, 1946: Mar. 1, 39.50.

145a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142; 947, p. 158; *989, p. 180). Owner unknown. SE. corner NE¼ sec. 10, blk. B5, 7.5 miles west of Canyon. Water level, in feet below land-surface datum, 1946: Feb. 28, 111.20.

160a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142; *989, p. 180). No measurements made in 1946.

167a (*845, p. 536; 886, p. 746; 909, p. 191; *989, p. 180). No measurements made in 1946.

172a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142; 947, p. 158; *989, p. 180). Owner unknown. NE¼NW¼SW¼ sec. 107, blk. B5, H. & G. N. R. R. survey, 9.5 miles west of Canyon. Water level, in feet below land-surface datum, 1946: Feb. 28, 108.25.

189a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142; *989, p. 180). No measurements made in 1946.

Reeves County

(No measurements made in 1946.)

San Patricio County

(No measurements made in 1946.)

Swisher County

2 (*840, p. 491; 845, p. 539; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 165; *989, p. 180; 1019, p. 177; 1026, p. 169). I. Irlbeck. NW¼SW¼ sec. 63, blk. M8, 3 miles south of Happy. Water level, in feet below land-surface datum, 1946: Feb. 25, 77.64.

16 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 177; 1026, p. 169). C. M. Brant. SW¼SE¼ sec. 117, blk. M8, 8 miles south of Happy. Water level, in feet below land-surface datum, 1946: Feb. 25, 62.38.

36 (*909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 177; 1026, p. 170), Foster Klous. NW¼SE¼ sec. 2, blk. W1, 4.5 miles northwest of Tulia. Water level, in feet below land-surface datum, 1946: Feb. 25, 55.64.

38 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196; 947, p. 166; *989, p. 181; 1019, p. 178; 1026, p. 170). J. B. Johnson. SE¼SE¼ sec. 3, blk. W1, 3 miles northwest of Tulia. Water level, in feet below land-surface datum, 1946: Feb. 25, 56.43.

255 (*840, p. 492; 845, p. 540; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178; 1026, p. 170). Charles Inman. NW. corner NE¼ sec. 2, blk. B6, 7.5 miles east of Kress. Water level, in feet below land-surface datum, 1946: Feb. 26, 47.57.

258 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178; 1026, p. 170). B. A. Dubbert. NW¼SE¼ sec. 25, blk. M14, 8 miles east of Kress. Water level, in feet below land-surface datum, 1946: Feb. 26, 58.37.

301 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178; 1026, p. 170). W. T. Adams. No measurements made in 1946.

302 (*840, p. 492; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178; 1026, p. 170). J. D. Vaughn. SW¼SW¼ sec. 23, blk. W1, 1.5 miles southwest of Tulia. Water level, in feet below land-surface datum, 1946: Feb. 27, 65.04.

305 (*840, p. 493; 845, p. 541; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1026, p. 170). J. L. Cantrell. NW. corner NE¼ sec. 25, blk. W1, 1.75 miles southeast of Tulia. Water level, in feet below land-surface datum, 1946: Feb. 26, 38.84.

323 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178; 1026, p. 170). J. L. Guest. NW¼NE¼ sec. 24, blk. [illegible], 6.5 miles south of Tulia. Water level, in feet below land-surface datum, 1946: Feb. 27, 69.78.

332 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 166; *989, p. 182; 1019, p. 178; 1026, p. 170). W. F. Kerr. NW¼NW¼ sec. 28, blk. M13, 4 miles north of Kress. Water level, in feet below land-surface datum, 1946: Feb. 26, 67.51.

354 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 166; *989, p. 182; 1019, p. 178; 1026, p. 170). V. A. Beck. NW¼SW¼ sec. 52, blk. M13, at west edge of Kress. Water level, in feet below land-surface datum, 1946: Feb. 27, 64.69.

359 (*886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 178; 1026, p. 170). E. E. Formway. NW¼NW¼ sec. 57, blk. M13, 2.75 miles west of Kress. Water level, in feet below land-surface datum, 1946: Feb. 26, 79.50.

368 (*840, p. 494; 845, p. 540; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 178; 1026, p. 170). L. B. White. About 0.3 mile west of SE. corner sec. 62, blk. M13, on R. F. Hudgins survey, 2.75 miles south of Kress. Water level, in feet below land-surface datum, 1946: Feb. 27, 83.41.

370 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 178; 1026, p. 170). Texas Land & Development Co. About 0.33 mile east of SE. corner sec. 62, blk. M13, on R. F. Hudgins survey, 2.7 miles south of Kress. Water level, in feet below land-surface datum, 1946: Feb. 27, 81.48.

380 (*840, p. 494; 845, p. 542; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1026, p. 171). Measurements discontinued.

383 (*840, p. 495; 845, p. 542; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 179; 1026, p. 171). Texas Land & Development Co. NW¼NW¼ sec. 54, blk. M14, 4.5 miles southeast of Kress. Water level, in feet below land-surface datum, 1946: Feb. 27, 78.89.

421 (*947, p. 167; *989, p. 182; 1019, p. 179; 1026, p. 171). A. V. Perryman. NW¼NW¼ sec. 9, blk. K3, 19.5 miles southwest of Tulia. Water level, in feet below land-surface datum, 1946: Feb. 27, 63.90.

429 (*886, p. 751; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 179; 1026, p. 171). Clifton Reed. NW. corner strip sec. 66, J. A. Ward survey. 5.5 miles west of Kress. Water level, in feet below land-surface datum, 1946: Feb. 27, 100.47.

Terry County

(No measurements made in 1946.)

Travis County

256 (*947, p. 168; *989, p. 183; 1019, p. 179; 1026, p. 171). Mr. Robinson. 11.75 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1946: Mar. 28, 75.49.

261 (*939, p. 158; 947, p. 168; *989, p. 183; 1019, p. 179; 1026, p. 171). H. C. Warren. 13 miles north of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 28, 216.81.

266 (*939, p. 158; 947, p. 168; *989, p. 183; 1019, p. 179; 1026, p. 171). J. D. Dillingham. 11.75 miles north of State Capitol, 1.9 miles east of McNeil. Water level, in feet below land-surface datum, 1946: Mar. 28, 172.16.

280 (*947, p. 168; *989, p. 183; 1019, p. 179; 1026, p. 171). Travis County. 9.5 miles north of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 28, 8.28.

283 (*939, p. 158; 947, p. 168; *989, p. 183; 1019, p. 179; 1026, p. 172). E. H. Gault. Measurements discontinued.

284 (*939, p. 158; 947, p. 168; *989, p. 183; 1019, p. 180; 1026, p. 172). Robinson Bros. 8.5 miles north of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 28, 143.62.

318 (*947, p. 168; *989, p. 184; 1019, p. 180; 1026, p. 172). R. R. Sansom. 7.5 miles northeast of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 27, 115.76.

322 (*939, p. 158; *989, p. 184; 1019, p. 180; 1026, p. 172). John Teagle. 5.5 miles northeast of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 27, 137.29.

323 (*939, p. 158; 947, p. 168; *989, p. 184; 1019, p. 180; 1026, p. 172). Fred Parsons. 5.75 miles northeast of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 27, 87.16.

327 (*939, p. 158; 947, p. 168; *989, p. 184; 1019, p. 180; 1026, p. 172). Walling Estate. 4.5 miles northeast of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 26, 144.27.

328 (*939, p. 158; 947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). Walling Estate. About 100 feet south of Well 327. Water level, in feet below land-surface datum, 1946: Mar. 26, 15.96.

331 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). J. C. Campbell, Jr. 3.75 miles northeast of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 26, 29.37.

343 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). Travis County Water District No. 2. 4.75 miles northeast of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 26, 118.23.

392 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). Tom Williams. 7.5 miles north of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 28, 8.56.

400 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). Mrs. S. D. Williams. 8.5 miles north of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 28, 32.09.

414 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). J. R. McElroy. 10.75 miles north of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 29, 37.64.

460 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). Rosa Dellanna. 2 miles southwest of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 29, 77.39.

483 (*947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). S. N. Allred. 5 miles southwest of State Capitol.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	232.18	Mar. 5	223.55	Apr. 28	217.78	Oct. 2	221.6
Feb. 7	227.66	Apr. 4	219.18	July 2	215.30		

502 (*840, p. 496; 845, p. 543; 886, p. 751; 909, p. 198; 939, p. 158; 947, p. 169; *989, p. 184; 1019, p. 180; 1026, p. 172). H. S. Lawson heirs. 6.5 miles south of State Capitol.

Water level, in feet below land-surface datum, 1946

Jan. 4	10.62	Apr. 4	4.84	Aug. 3	6.14	Nov. 7	1.70
Feb. 7	6.58	28	2.84	Sept. 2	5.88	Dec. 2	a .22
Mar. 5	4.85	July 2	3.28	Oct. 2	5.50		

a Above land-surface datum.

508 (*840, p. 497; 845, p. 543; 886, p. 751; 909, p. 199; *989, p. 185; 1019, p. 181; 1026, p. 173). Barge Renoe. 8.3 miles southwest of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 29, 218.47.

509 (*840, p. 497; 845, p. 543; 886, p. 751; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181; 1026, p. 173). Erlene Patton. 9.4 miles west of State Capitol.

Water level, in feet below land-surface datum, 1946

Jan. 4	35.45	Apr. 4	35.19	Aug. 3	35.55	Nov. 7	34.88
Feb. 7	35.25	28	35.12	Sept. 2	35.46	Dec. 2	35.05
Mar. 5	35.12	July 2	35.45	Oct. 2	35.47		

527 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181; 1026, p. 173). Sarah Moore. About 100 yards south of Cedar Valley post office.

Water level, in feet below land-surface datum, 1946

Jan. 4	4.74	Apr. 4	4.22	Aug. 3	5.24	Nov. 7	2.80
Feb. 7	3.80	28	3.76	Sept. 2	5.65	Dec. 2	3.53
Mar. 5	3.91	July 2	4.84	Oct. 2	4.50		

616 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181; 1026, p. 173). J. R. Moore. 14.6 miles west of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 29, 132.14.

618 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181; 1026, p. 173). Homer Heep. About 50 feet east of U. S. Highway 81, 1 mile north of Travis-Hays county line.

618--Continued.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	22.84	Apr. 4	17.23	Aug. 3	21.15	Nov. 7	9.74
Feb. 7	19.53	28	15.06	Sept. 2	11.10	Dec. 2	9.93
Mar. 5	18.18	July 2	16.40	Oct. 2	12.12		

668 (*947, p. 170; *989, p. 186; 1019, p. 181). Measurements discontinued.

687 (*947, p. 170; *989, p. 186; 1019, p. 181; 1026, p. 173). Mrs. Elizabeth Gentsch. 5 miles southwest of State Capitol. Water level, in feet below land-surface datum, 1946: Mar. 29, 168.66.

858 (*947, p. 170; *989, p. 186; 1019, p. 181; 1026, p. 173). B. R. Payton. 6.5 miles northwest of Manor. Water level, in feet below land-surface datum, 1946: Mar. 23, 46.92.

860 (*947, p. 170; *989, p. 186; 1019, p. 181; 1026, p. 173). Mrs. B. Hamann. 6.5 miles northwest of Manor. Water level, in feet below land-surface datum, 1946: Mar. 27, 66.28.

884 (*947, p. 170; *989, p. 186; 1019, p. 182; 1026, p. 173). H. A. Townsley. 7.5 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1946: Mar. 23, 155.04.

885 (*947, p. 171; *989, p. 186; 1019, p. 182; 1026, p. 173). F. B. Polk. 7.25 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1946: Mar. 23, 115.55.

890 (*947, p. 171; *989, p. 186; 1019, p. 182; 1026, p. 174). Russell C. Faulkner. 5.75 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1946: Mar. 23, 11.36.

892 (*947, p. 171; *989, p. 186; 1019, p. 182; 1026, p. 174). Russell C. Faulkner. 5.75 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1946: Mar. 23, 61.43.

895 (*947, p. 171; *989, p. 186; 1019, p. 182; 1026, p. 174). Joe C. Carrington. 5 miles northwest of Creedmoor.

Water level, in feet below land-surface datum, 1946

Jan. 4	50.80	Apr. 4	35.82	Aug. 3	30.93	Nov. 7	35.95
Feb. 7	48.54	28	29.11	Sept. 2	29.73	Dec. 2	32.65
Mar. 5	41.35	July 2	27.37	Oct. 2	36.64		

Uvalde County

H-2-4 (*678, pp. 102; 128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 199; 939, p. 159; 947, p. 171; *989, p. 178; 1019, p. 182; 1026, p. 174). H. I. Holmes. 13.7 miles north of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 3, 153.24.

H-2-5 (*678, pp. 102, 128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159; 947, p. 171; *989, p. 187; 1019, p. 182; 1026, p. 174). Mrs. W. E. Fitzgerald. 18 miles north of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 3, 64.77.

H-4-6 (*678, pp. 104, 128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159; 947, p. 171; *989, p. 187; 1019, p. 182; 1026, p. 174). Briscoe, Fenley & Spangler. 4.5 miles northwest of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 2, 67.22.

H-4-28 (*678, pp. 104; 129; 840, p. 499; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182; 1026, p. 174). J. R. Ingraham. 7.2 miles west of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 2, 25.18.

H-4-34 (*909, p. 200; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182; 1026, p. 174). John Rosenow. 13.5 miles northwest of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 2, 179.51.

H-4-35 (*909, p. 200; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182; 1026, p. 174). John Rosenow. No measurements made in 1946.

H-5-1 (*678, pp. 106, 129; 840, p. 499; 845, p. 549; 886, p. 753; 909, p. 201; 939, p. 160; 947, pp. 172, 173; *989, p. 187; 1019, p. 182-3). City of Uvalde. 2 blocks south of Uvalde County courthouse.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.91	35.88	35.47	35.10	34.88	35.06	35.42	36.27	37.10	38.09	38.78	39.34
2	35.92	35.85	35.45	35.09	34.87	35.07	35.46	36.31	37.14	38.11	38.80	39.34
3	35.93	35.82	35.44	35.08	34.87	35.04	35.50	36.32	37.20	38.13	38.85	39.35
4	35.95	35.78	35.43	35.10	34.86	35.09	35.51	36.35	37.25	38.14	38.86	39.37
5	35.95	35.77	35.42	35.11	34.85	35.11	35.55	36.38	37.27	38.16	38.87	39.37
6	35.95	35.74	35.44	35.09	34.83	35.13	35.57	36.41	37.32	38.18	38.90	39.37
7	35.96	35.74	35.44	35.08	34.83	35.15	35.61	36.46	37.35	38.20	38.92	39.38
8	35.98	35.72	35.44	35.06	34.86	35.17	35.61	36.49	37.39	38.23	38.95	39.40
9	36.02	35.69	35.44	35.03	34.85	35.19	35.65	36.53	37.42	38.26	38.97	39.40
10	36.04	35.68	35.44	35.02	34.82	35.17	35.70	36.56	37.45	38.27	39.00	39.41
11	36.05	35.67	35.42	35.02	34.80	35.20	35.70	36.60	37.50	38.30	39.00	39.42
12	36.07	35.64	35.42	35.02	34.79	35.15	35.74	36.61	37.55	38.32	39.00	39.42
13	36.08	35.64	35.35	35.00	34.77	35.12	35.79	36.65	37.54	38.35	39.02	39.43
14	36.08	35.63	35.29	34.99	34.78	35.12	35.83	36.68	37.55	38.36	39.05	39.45
15	36.10	35.62	35.28	34.97	34.79	35.13	35.76	36.72	37.58	38.37	39.06	39.46
16	36.12	35.61	35.27	34.97	34.82	35.15	35.78	36.75	37.60	38.41	39.08	39.47
17	36.12	35.60	35.25	34.98	34.84	35.16	35.84	36.77	37.64	38.42	39.10	39.48
18	36.08	35.60	35.23	35.00	34.86	35.15	35.88	36.80	37.67	38.45	39.10	39.48
19	36.10	35.58	35.22	35.00	34.88	35.14	35.92	36.83	37.74	38.47	39.13	39.50
20	36.10	35.54	35.24	34.95	34.85	35.14	35.94	36.83	37.77	38.50	39.15	39.51
21	36.10	35.52	35.23	34.92	34.83	35.17	35.99	36.86	37.83	38.51	39.17	39.52
22	36.10	35.55	35.21	34.90	34.89	35.19	35.98	36.90	37.87	38.55	39.19	39.54
23	36.10	35.53	35.19	34.88	34.92	35.18	36.03	36.95	37.87	38.57	39.21	39.54
24	36.07	35.52	35.19	34.87	34.92	35.19	36.07	36.99	37.92	38.59	39.24	39.55
25	36.04	35.50	35.19	34.86	34.93	35.22	36.02	37.00	37.97	38.60	39.24	39.56
26	36.03	35.48	35.22	34.88	34.95	35.26	36.05	37.05	38.02	38.64	39.25	39.58
27	35.99	35.48	35.20	34.88	34.93	35.31	36.10	37.04	38.06	38.67	39.27	39.60
28	35.97	35.48	35.21	34.87	34.96	35.36	36.13	37.02	38.10	38.69	39.30	39.63
29	35.95		35.18	34.87	35.00	35.38	36.13	37.00	38.06	38.72	39.28	39.64
30	35.93		35.17	34.88	35.03	35.42	36.19	37.03	38.07	38.74	39.32	39.66
31	35.91		35.15		35.05		36.25	37.06		38.77		39.68

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.68	40.03	40.54	41.13	41.59	41.80	41.56	40.98	41.10	41.11	39.78	38.40
2	39.70	40.05	40.57	41.15	41.63	41.80	41.52	40.98	41.10	41.11	39.70	38.38
3	39.72	40.06	40.55	41.18	41.65	41.82	41.42	40.97	41.10	41.10	39.63	38.35
4	39.74	40.07	40.59	41.19	41.64	41.84	41.40	40.95	41.11	41.10	39.60	38.31
5	39.75	40.08	40.62	41.20	41.64	41.85	41.34	40.97	41.15	41.09	39.54	38.29
6	39.75	40.10	40.63	41.23	41.62	41.86	41.32	40.99	41.16	41.07	39.48	38.25
7	39.75	40.13	40.65	41.22	41.60	41.89	41.28	40.98	41.17	41.06	39.42	38.23
8	39.75	40.14	40.67	41.25	41.60	41.91	41.24	41.00	41.17	41.05	39.35	38.20
9	39.77	40.15	40.70	41.28	41.64	41.92	41.23	41.01	41.20	41.05	39.30	38.17
10	39.80	40.16	40.71	41.29	41.65	41.91	41.22	41.02	41.24	41.03	39.25	38.14
11	39.80	40.17	40.74	41.31	41.65	41.90	41.20	41.01	41.25	41.01	39.20	38.10
12	39.81	40.17	40.73	41.34	41.66	41.93	41.19	41.02	41.28	40.97	39.15	38.07
13	39.82	40.20	40.70	41.36	41.67	41.96	41.18	41.03	41.31	40.93	39.12	38.06
14	39.83	40.24	40.73	41.36	41.68	41.98	41.14	41.05	41.34	40.88	39.08	38.04
15	39.84	40.25	40.76	41.37	41.68	41.96	41.13	41.06	41.30	40.82	39.02	38.00

H-5-1--Continued.

Daily noon water level, in feet below land-surface datum, 1946
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	39.85	40.27	40.79	41.40	41.70	41.95	41.14	41.06	41.30	40.76	38.97	37.98
17	39.85	40.28	40.80	41.43	41.70	41.92	41.13	41.07	41.30	40.70	38.94	37.97
18	39.86	40.29	40.84	41.45	41.72	41.90	41.12	41.07	41.30	40.63	38.89	37.97
19	39.86	40.30	40.87	41.47	41.69	41.86	41.11	41.08	41.35	40.68	38.84	37.93
20	39.87	40.32	40.89	41.48	41.68	41.90	41.10	41.09	41.34	40.51	38.80	37.91
21	39.89	40.34	40.90	41.45	41.69	41.95	41.00	41.17	41.35	40.44	38.75	37.92
22	39.91	40.37	40.93	41.44	41.69	41.97	40.99	41.15	41.35	40.38	38.73	37.90
23	39.93	40.40	40.93	41.44	41.68	41.90	41.00	41.17	41.37	40.32	38.68	37.87
24	39.94	40.41	40.94	41.45	41.68	41.85	41.01	41.17	41.38	40.26	38.62	37.85
25	39.94	40.43	40.92	41.46	41.69	41.80	41.02	41.20	41.38	40.19	38.58	37.85
26	39.95	40.45	40.95	41.48	41.69	41.75	40.93	41.20	41.38	40.13	38.55	37.83
27	39.97	40.47	40.98	41.50	41.70	41.70	40.93	41.19	41.30	40.07	38.54	37.80
28	39.98	40.50	41.02	41.51	41.71	41.67	40.93	41.17	41.12	40.04	38.50	37.79
29	39.99		41.05	41.54	41.72	41.65	40.95	41.13	41.10	39.97	38.45	37.80
30	40.00		41.08	41.55	41.73	41.59	40.95	41.11	41.11	39.90	38.43	37.80
31	40.02		41.10		41.75		40.96	41.10		39.85		37.80

H-5-22 (*678, pp. 108, 128; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183; 1026, p. 174). Jack Dean. 2 miles north of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 2, 69.43.

H-5-26 (*678, pp. 108, 130; 840, p. 499; 845, p. 546; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). George Kennedy. 7.2 miles northeast of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 3, 170.22.

H-5-39 (*678, pp. 108, 130; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183; 1026, p. 174). Wm. Galloway. 2.5 miles southwest of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 3, 88.19. Measurements discontinued.

H-5-51 (*678, pp. 110, 130; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 260; 947, p. 173; *989, p. 188; 1019, p. 183; 1026, p. 175). O. T. Caldwell. 2.5 miles southwest of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 3, 44.67.

H-6-1 (*678, pp. 112, 131; 840, p. 500; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183; 1026, p. 175). Ashby & Chinn. 9.2 miles northeast of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 1, 95.56. Measurements discontinued.

H-6-8 (*678, pp. 112, 131; 840, p. 500; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183; 1026, p. 175). K. K. Woodley. 1.5 miles east of Knippa. Water level, in feet below land-surface datum, 1946: Apr. 1, 71.02.

H-6-10 (*678, pp. 112, 131; 840, p. 500; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Herbert Stevens. 3 miles west of Sabinal. Water level, in feet below land-surface datum, 1946: Apr. 1, 65.55.

H-6-16 (*678, pp. 114, 131; 840, p. 500; 845, p. 546; 909, p. 202; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Cecil Reagan. 3 miles southeast of Knippa. Water level, in feet below land-surface datum, 1946: Apr. 3, 169.44.

XU-9 (*840, p. 501; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160; 947, p. 174; *989, p. 188; 1019, p. 184; 1026, p. 175). Frank Kirchgraber. 16.5 miles west of Uvalde. Water level, in feet below land-surface datum, 1946: Apr. 2, 66.09.

XU-10 (*840, p. 501; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160; 947, p. 174; *989, p. 188; 1019, p. 184; 1026, p. 175). Texas & New Orleans Railroad Co. At Cline. Water level, in feet below land-surface datum, 1946: Apr. 3, 48.87.

Val Verde County

XV-2 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 202; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 175). Otto Koog. 2.8 miles east of Del Rio. Water level, in feet below land-surface datum, 1946: Apr. 2, 78.89.

XV-3 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 175). Patricio Confreres. 1.5 miles east of Del Rio. Water level, in feet below land-surface datum, 1946: Apr. 2, 41.95.

Waller County

117 (*840, p. 502; 845, p. 547; 886, p. 755; *889-C, p. 258; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 175). Mrs. H. L. Milam. Near railroad station at Prairie View. Water level, in feet below land-surface datum, 1946: Jan. 17, 1.27. Measurements discontinued after Jan. 17; well was destroyed.

152 (*840, p. 502; 845, p. 548; 886, p. 755; *889-C, p. 258; 90 p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 175). Mr. Meyers. 1.5 miles east of Prairie View railroad station. Water levels, in feet below land-surface datum, 1946: Jan. 17, 1.52; May 21, 2.09; July 9, 3.11; Dec. 18, 2.09.

154 (*840, p. 502; 845, p. 548; 886, p. 755; *889-C, p. 258; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 175). W. D. Weaver. About 0.6 mile west of Walker.

Water level, in feet below land-surface datum, 1946

Date	Water level	Date	Water level	Date	Water level
Jan. 17	9.85	July 9	10.29	Dec. 18	8.54
May 21	10.67	Sept.18	13.65		

223 (*889-C, p. 258; 909, p. 204; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 176). T. B. Tucker. 6.75 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 62.16.

225 (*889-C, p. 259; *989, p. 189; 1019, p. 184; 1026, p. 176). Owner's well 2. L. E. Morrison. 6 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 27, 68.11.

235 (*889-C, p. 259; *909, p. 204; 939, p. 162; 947, p. 174; *989, p. 189; 1019, p. 184; 1026, p. 176). John Cope. 2 miles west of Katy. Water level, in feet below land-surface datum, 1946: Mar. 28, 62.00.

239 (*889-C, p. 259; *989, p. 189; 1019, p. 184; 1026, p. 176). Lyn Hebert. 12 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 28, 58.50.

240 (*889-C, p. 259; *989, p. 190; 1019, p. 184; 1026, p. 176). Owner's well 3. B. Ray Woods. 6 miles west of Katy. Water level, in feet below land-surface datum, 1946: Mar. 21, 60.20.

242 (*889-C, p. 260; *989, p. 190; 1019, p. 184; 1026, p. 176). Robichaux & Thompson. 8 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 28, 61.58.

245 (*889-C, p. 260; *989, p. 190; 1019, p. 184; 1026, p. 176). Owner's well 2. G. P. Nelson. 10 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 28, 59.98.

246 (*889-C, p. 260; *989, p. 190; 1019, p. 185; 1026, p. 176). Owner's well 2. A. E. Thompson. 8.5 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 55.61.

247 (*889-C, p. 260; *989, p. 190; 1019, p. 185; 1026, p. 176). Owner's well 5. T. B. Tucker. 6.5 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 62.71.

252 (*889-C, p. 26; *989, p. 190; 1019, p. 185; 1026, p. 176). J. A. Kimball. 2.25 miles northwest of Katy. Water level, in feet below land-surface datum, 1946: Mar. 26, 64.11.

Wharton County

1 (*947, p. 178; *989, p. 190; 1019, p. 185; 1026, p. 176). Otto Mickelson. 11 miles west of Hahn. Water level, in feet below land-surface datum, 1946: Apr. 17, 39.30.

8 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 174; 947, p. 178; *989, p. 190; 1019, p. 185; 1026, p. 176). J. W. Wyer. About 0.7 mile west of Round Mott School. Water level, in feet below land-surface datum, 1946: Apr. 17, 38.14.

31 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 176). Tom Thomas. 6.5 miles north of Louise. Water level, in feet below land-surface datum, 1946: Apr. 17, 27.11.

32 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 176). Harfst Bros. About 0.7 mile south of Cobbler Creek school. Water level, in feet below land-surface datum, 1946: Apr. 17, 30.43.

33 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178). Harfst Bros. Water level, in feet below land-surface datum, 1946: Apr. 17, 38.35.

57 (*939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). W. A. Harrison. 3.25 miles north of Glen Flora. Water level, in feet below land-surface datum, 1946: Apr. 17, 14.20.

66 (*939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). J. J. Pendegrass. 2.5 miles west of Bonus. Water level, in feet below land-surface datum, 1946: Apr. 17, 22.46.

70a (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). J. J. Vacek. 3.2 miles west of East Bernard. Water level, in feet below land-surface datum, 1946: Apr. 17, 8.67.

70b (*840, p. 503; 845, p. 548; 886, p. 775; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). J. J. Vacek. About 275 feet south of well 70a. Water level, in feet below land-surface datum, 1946: Apr. 17, 5.78.

81 (*939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). William J. Corman. No measurements made in 1946.

84 (*947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). Fred Fotjek. 5 miles west of East Bernard. Water level, in feet below land-surface datum, 1946: Apr. 17, 18.68.

96 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185; 1026, p. 177). Frank Bucek. 8 miles north of Wharton. Water level, in feet below land-surface datum, 1946: Apr. 17, 22.98.

108 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 185; 1026, p. 177). City of Wharton. In Wharton. Water level, in feet below land-surface datum, 1946: Apr. 18, 22.10.

109 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 185; 1026, p. 177). City of Wharton. No measurements made in 1946.

139 (*1026, p. 177). Measurements discontinued.

148 (*947, p. 179; *989, p. 191; 1019, p. 186; 1026, p. 177). Central Power & Light Co. In El Campo, southwest of Ice plant. Water level, in feet below land-surface datum, 1946: Apr. 17, 35.36.

165 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 186; 1026, p. 177). H. P. Stockton. 1.4 miles northwest of Louise. Water level, in feet below land-surface datum, 1946: Apr. 17, 23.87.

173 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 186; 1026, p. 177). Stoval & Appling. 8.25 miles south of Louise. Water level, in feet below land-surface datum, 1946: Apr. 16, 21.50.

178 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 177). Adrian Johnson. 8 miles southwest of El Campo. Water level, in feet below land-surface datum, 1946: Apr. 16, 18.60.

181 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). T. E. Appling. 7 miles southeast of El Campo. Water level, in feet below land-surface datum, 1946: Apr. 16, 21.95.

186 (*840, p. 204; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). Otto Mickelson. 2.5 miles north of Danevang. Water level, in feet below land-surface datum, 1946: Apr. 16, 17.17.

200 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). J. L. Myatt. 4.25 miles west of Danevang. Water level, in feet below land-surface datum, 1946: Apr. 16, 21.37.

209 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). J. C. Allen. 7 miles southeast of El Campo. Water level, in feet below land-surface datum, 1946: Apr. 16, 11.96.

239 (*840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). Gulf, Colorado & Santa Fe Railway Co. Water level, in feet below land-surface datum, 1946: Apr. 18, 18.33.

241 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). Texas Gulf Sulphur Co. At New Gulf, 400 feet northeast of timekeeper's office. Water level, in feet below land-surface datum, 1946: Apr. 18, 26.75.

243 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). Measurements discontinued.

Williamson County

342 (*939, p. 176; 947, p. 179; *989, p. 192). J. F. McCann Estate. No measurements made in 1946.

344 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). Victor Robertson. 4.75 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1946: Mar. 27, 110.58.

346 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186; 1026, p. 178). Jack Gillam. 4.25 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1946: Mar. 27, 128.97.

348 (*939, p. 176; *989, p. 192). Claude DeDear. 3.5 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1946: Mar. 27, 160.69.

350 (*989, p. 192; 1019, p. 186). H. M. Weir. No measurements made in 1946.

351 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 186; 1026, p. 178). Fred Montgomery. 2.5 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1946: Mar. 28, 114.07.

353 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 186; 1026, p. 178). Walter Thwing. 2.25 miles south of Georgetown. Water level, in feet below land-surface datum, 1946: Mar. 28, 118.53.

418 (*939, p. 176; 947, p. 180; *989, p. 193; 1026, p. 178). Eubanks Estate. No measurements made in 1946.

420 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 178). Mrs. Juanita Fleeger. About 0.75 mile southwest of Georgetown. Water level, in feet below land-surface datum, 1946: Mar. 27, 79.48.

889 (*947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). Bankers Life Insurance Co. 2.5 miles west of Round Rock. Water level, in feet below land-surface datum, 1946: Mar. 27, 87.09.

922 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). R. R. Stolley. 1.25 miles south of Round Rock. Water level, in feet below land-surface datum, 1946: Mar. 27, 111.80.

929 (*939, p. 176; 947, p. 180; 1019, p. 187; 1026, p. 179). Mrs. J. L. Frisk. 2.5 miles south of Round Rock. Water level, in feet below land-surface datum, 1946: Mar. 28, 155.47.

Zavala County

H7-20 (*777, p. 217; 840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). W. A. Butler. 5.5 miles north of La Pryor. Water level, in feet below land-surface datum, 1946: July 11, 75.40.

M6-9 (*777, p. 218; 840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). Plumly Ranch. No measurements made in 1946.

M6-10 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). W. M. Van Cleve. 7.5 miles northwest of Cometa. Water level, in feet below land-surface datum, 1946: July 12, 83.78.

M6-16 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). J. S. Steward. 6 miles northwest of Cometa. Water level, in feet below land-surface datum, 1946: July 12, 47.40.

M6-18 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). N. E. Ware. 4 miles northeast of Cometa. Water level, in feet below land-surface datum, 1946: July 12, 51.66.

M6-19 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187; 1026, p. 179). L. D. Van Cleve. 3 miles northwest of Cometa. Water level, in feet below land-surface datum, 1946: July 12, 64.99.

M9-1 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 194; 1019, p. 187; 1026, p. 179). T. B. Mear. In Cometa. Water level, in feet below land-surface datum, 1946: July 12, 83.00.

N1-24 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 181; *989, p. 194; 1019, p. 187; 1026, p. 179). J. C. Williams. 2.5 miles northwest of La Pryor. Water level, in feet below land-surface datum, 1946: July 11, 141.20.

N1-40 (*777, p. 220; 840, p. 504; 845, p. 550; 909, p. 206; 939, p. 177; 947, p. 181; *989, p. 194; 1019, p. 188; 1026, p. 179). I. T. Pryor. 2 miles west of La Pryor. Water level, in feet below land-surface datum, 1946: July 11, 123.82.

N5-39 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 181; *989, p. 194; 1019, p. 188; 1026, p. 179). C. R. Jarrett. 2 miles northeast of Crystal City. Water level, in feet below land-surface datum, 1946: July 11, 93.21.

N5-40 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; 947, p. 181; *989, p. 194; 1019, p. 188; 1026, p. 180). C. R. Jarrett. 2.5 miles east of Crystal City. Water level, in feet below land-surface datum, 1946: July 11, 85.79.

N5-55 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; 947, p. 181; *989, p. 194; 1019, p. 188; 1026, p. 180). Cribbs & Davidson. 2.5 miles east of Crystal City. Water level, in feet below land-surface datum, 1946: July 11, 88.82.

N5-60 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; *989, p. 194; 1019, p. 188; 1026, p. 180). E. L. Reedy. 4 miles east of Crystal City. Water level, in feet below land-surface datum, 1946: July 11, 90.33.

N8-7 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; 947, p. 181; *989, p. 194; 1019, p. 188; 1026, p. 180). Dr. Walter Biedelspach. 3 miles southeast of Crystal City. Water level, in feet below land-surface datum, 1946: July 11, 84.95.

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