UNITED STATES DEPARTMENT OF THE INTERIOR

WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1941

PART 4. SOUTH-CENTRAL STATES

Prepared in cooperation with the States of
ARKANSAS, LOUISIANA, OKLAHOMA, and TEXAS
and other agencies

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 939

UNITED STATES DEPARTMENT OF THE INTERIOR
Harold L. Ickes, Secretary

GEOLOGICAL SURVEY
Julian D. Sears, Acting Director

Water-Supply Paper 939

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BY

O. E. MEINZER, L. K. WENZEL
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Part 4. SOUTH-CENTRAL STATES

INTRODUCTION

By O. E. Meinzer and L. K. Wenzel

The rock formations of the earth are great natural underground 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 for public waterworks, for irrigation, or for 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 may indicate depletion or replenishment of the artesian reservoirs.

The regular publication of records of water levels and artesian pressure in the United States was begun by the Geological Survey in 1935, and from that year through 1939 one volume containing these data was published each year. The volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. The number of observation wells and the quantity of records on water levels and artesian pressure obtained from them have increased gradually from year to year. As a result the records for 1940 were published in six volumes, Water-Supply Papers 906-911, inclusive. Water-Supply Paper 906 contains the records for the northeastern States, 907 for the southeastern States, 908 for the north-central States, 909 for the south-central States, 910 for the northwestern States, and 911 for the southwestern States and Hawaii. Records for 1941 are being published in six volumes also, each volume covering a section of the United States corresponding to that covered by one of the volumes containing records for 1940. (See fig. 1.) This series of reports is in a sense an inventory, year by year, of the groundwater supplies of those parts of the country that are covered.

This volume covers the south-central section and gives records of water level or artesian pressure in about 1,413 observation wells of the Geological Survey and cooperating agencies in Arkansas, Louisiana, Oklahoma, and Texas. Of these wells 33 are equipped with automatic water-stage recorders. For

some wells for which records had not heretofore been published complete records of water levels are given in this report, including those for years before 1941. For wells whose previous records have been published, however, this volume gives only current records. If complete descriptions of the wells were given in one of the previous reports, only the well numbers or the well numbers and brief identifying descriptions are given in this report. The report includes about 12,230 individual measurements of water level or artesian pressure.

The water levels in this report are given with reference to datum planes of different kinds. Some are given in depths below measuring point--that is, below the recognized reference mark, at or near the top of the well, from which the depth to water level is usually measured; and some are given in height above an assumed datum plane. As the measuring points on some of the wells were changed in 1941, the records may not be directly comparable with those in previous annual volumes, but changes in measuring points are recorded in this report. Water levels given in height above sea level or above assumed datum planes are generally comparable with those given in the previous volumes. Unless otherwise stated, the depth of wells is usually the measured depth below the measuring point.

Acknowledgments for effective services in the preparation of this report are due Miss Dorothy M. Ireland, Mrs. Roxie Lou Davis, and Mrs. Margaret F. Monk, who typed the offset copy; and to Rodney Hart, who prepared the illustrations and gave other assistance in preparing the copy.

GENERAL SUMMARY OF CHANGES IN GROUND-WATER LEVELS IN 1941 IN THE SOUTH-CENTRAL PART OF THE UNITED STATES

In 1941 the precipitation in all the south-central States was above normal, and in most parts of the region the water levels in wells rose appreciably. The fluctuations of the water levels and artesian pressure in wells depend, however, on many factors besides the amount of precipitation. Consequently, it is usually not possible to find a simple relation between the changes in water level or artesian pressure and the departures from normal precipitation.

The following statements are taken chiefly from the interpretative text of the several State sections in this volume. They summarize the changes in ground-water levels and artesian pressure that occurred in 1941

in the parts of the underground reservoirs in the south-central States that are tapped by the observation wells.

Louisiana.--The water levels in 1941 in wells in Grant, LaSalle, and Avoyelles Parishes, where consumption is small, compared favorably with those of 1940. The decline of water levels near Alexandria, in Rapides Parish,

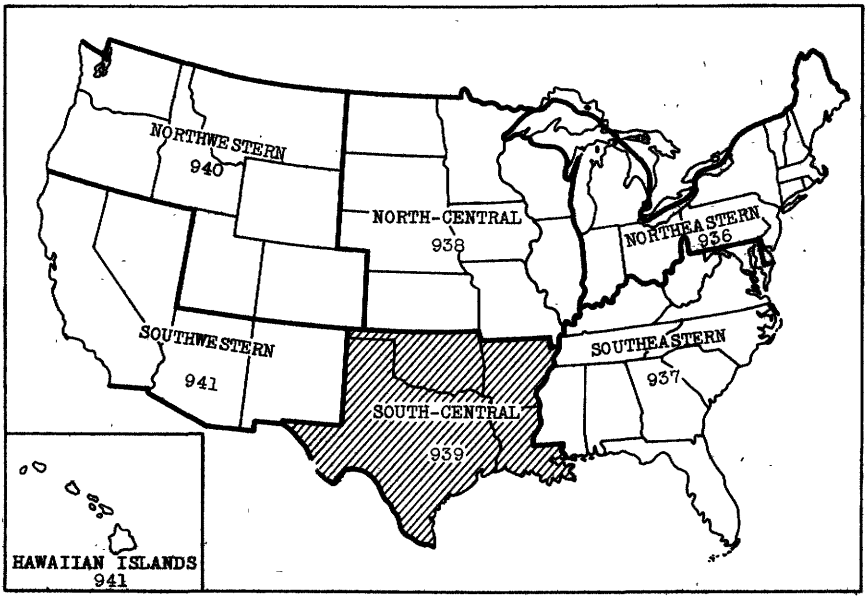

Figure 1.--Outline map of the United States, showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1941. The shaded section represents the part of the country covered by this volume.

was accelerated in 1941 by increased pumpage in Alexandria and Pineville, and, perhaps, by the pumping of new wells at Camp Beauregard and Camp Livingston. The average weekly water level in well 26, near the Monroe Street pumping station, in Alexandria, was 107.9 feet below the measuring point in 1941, as compared to 98.2 feet in 1940, and 96.95 feet in 1939.

The artesian pressure in wells in St. Tammany, Tangipahoa, and Livingston Parishes, recorded in the fall of 1941, was about the same as in the spring of 1940. Less water was required from wells for the irrigation of strawberries in 1941 than in 1940, when a deficiency of rainfall occurred in the growing season.

Ground-water levels and artesian pressure in the industrial area of East Baton Rouge Parish declined in the summer of 1941 below the lowest stages recorded in 1940. This decline was due to the increased pumping by expanding industrial plants.

There was a net rise of the water levels in wells in 1941, as there had been in 1940, in southwestern Louisiana. This recovery was due to the large amount of precipitation during 1939 and 1940 growing seasons, which furnished a considerable supply of water for rice irrigation that would otherwise have been pumped from wells to flood the rice fields.

Oklahoma.--Ground-water levels in the Oklahoma Panhandle continued to rise during 1941. Near the end of the year the weighted average of the water levels in wells in Beaver, Cimarron, and Texas Counties was 0.63 foot higher than the average at the corresponding time in 1940. It also was 0.54 foot higher than the highest average in 1940, which was recorded in May.

The average of the water levels in 9 wells in the Stillwater Creek Basin was 6.6 feet higher on December 31, 1941, than on December 28, 1940. Two observation wells in Cleveland County, one a shallow water-table well and the other a deep artesian well, had net rises during 1941 of 8.9 feet and 10.9 feet, respectively.

The average of the water levels in a group of wells tapping water in the alluvium along the North Canadian River had a net rise of about 4 feet during 1941.

Texas.--In the High Plains of Texas, which cover about 35,000 square miles, ground-water levels rose appreciably during 1941 owing to ample rainfall and a decrease in the amount of water pumped for irrigation. The precipitation during the year was unusually heavy. Water levels in wells in the Muleshoe district were higher than they have been since 1936. In the Hereford, Plainview, Texline, and Lubbock-Littlefield districts, the ground-water levels rose considerably, but did not exceed the high stages of 1937. In most other parts of Texas, except in heavily pumped areas, the water levels in wells rose during 1941, owing to the heavy precipitation.

ARKANSAS

GRAND PRAIRIE REGION

By D. G. Thompson and R. G. Kazmann

Measurements of depth to water level in wells in the Grand Prairie region, which comprises Arkansas County, large parts of Lonoke and Prairie Counties, and very small parts of Jefferson and Monroe Counties, Ark., were continued in 1941 by cooperative agreement between the Arkansas Agricultural Experiment Station and the Federal Geological Survey. This is the fifteenth successive year that measurements have been made in this region, the first measurements having been made by the Federal Geological Survey, in cooperation with the Arkansas Geological Survey, in September 1927. The work of measuring the wells in 1941 was done by employees of the Agricultural Experiment Station under the general supervision of Prof. Deane G. Carter and his successor, Prof. E. L. Barger, and under the immediate direction of Kyle Engler and L. C. Carter. As in the past years, T. J. Fricke, engineer of the Federal Land Bank of St. Louis, has cooperated informally in the well measurement program and in the study and interpretation of the field records.

Water-Supply Paper 777 contains records of 18 wells from the beginning of measurements, in 1927 or 1928, through 1935; Water-Supply Paper 840 contains the complete records of 16 additional wells; Water-Supply Paper 845 contains the complete records of 5 additional wells; Water-Supply Paper 886 contains complete records of 11 additional wells; Water-Supply Paper 909 contains records of 31 additional wells; the present report contains measurements of all these wells made in 1941.

As stated in the earlier reports just mentioned, the trend of water level or artesian head in the Grand Prairie region from year to year may be determined by annual measurements made once a year as late as possible in the spring but before pumping for rice irrigation begins. Accordingly, for most of the wells in most years only a single measurement, in the

spring, has been made. Measurements made in the fall, after the irrigation season has ended, give some suggestion as to the effects of pumping during the previous summer; but, because local irregularities due to pumping during the summer have not been smoothed out, they are not so conclusive as the measurements made during the following spring. For well 280, which is equipped with an automatic water-stage recorder, measurements are given of the depth to water level whenever the recorder charts were changed, which was generally at weekly intervals. A continuous record of the fluctuations of water level in this well has been obtained since August 1928.

As described in previous reports, the water level in all wells in the Grand Prairie region fluctuates--at times as much as 0.8 foot in 24 hours and more than 1 foot in a few days--as a result of changes in atmospheric pressure. To make accurate comparisons of the water level on corresponding dates in different years, corrections for fluctuations of atmospheric pressure must be made by comparing the pressures, as determined from barograph records at some place nearby, at the time of measurement in successive years. In general, the differences in decline from place to place can be attributed in large part to differences in quantity of water pumped for irrigation in different parts of the region, except that the greatest differences, which occurred in the extreme southeastern part of the region, probably are due to differences in the stage of White River.

Arkansas County

280. Fred Hedrich. Equipped with an automatic water-stage recorder. For 1941 the depths to water level whenever the recorder charts were changed, usually at weekly intervals, are given below. Comparison of the 1941 record with previous years may be had by reference to the graph of the lowest water level reached each day since the recorder was installed in August 1928, which was published as figure 1, page 9, in Water-Supply Paper 840. Lowest water level in 1941 was 94.9 feet below the measuring point on Aug. 17 and 21. Lowest water level in 1940 was 94.61 feet below the measuring point on Aug. 6. Highest water level in 1941 was 89.58 feet below the measuring point on Apr. 21 and 22. Highest water level in 1940 was 89.12 feet below the measuring point on Apr. 17. The high points are primarily induced by extreme conditions of low atmospheric pressure.

Arkansas County--Continued.

280.--Continued.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	8:10 a.m.	90.49	July 12	9:55 a.m.	93.30
10	8:20 a.m.	90.75	14	4:00 p.m.	93.83
17	8:45 a.m.	89.75	18	9:55 a.m.	94.32
24	1:25 p.m.	90.14	25	9:15 a.m.	93.43
31	10:30 a.m.	90.25	Aug. 1	9:40 a.m.	92.22
Feb. 7	8:55 a.m.	89.92	9	10:10 a.m.	94.40
14	8:50 a.m.	90.04	15	4:00 p.m.	94.63
21	8:30 a.m.	90.40	22	11:50 a.m.	94.93
28	8:30 a.m.	90.29	29	11:10 a.m.	92.46
Mar. 7	11:20 a.m.	89.82	Sept. 4	5:25 p.m.	91.96
14	8:25 a.m.	90.42	12	10:05 a.m.	91.89
21	7:50 a.m.	89.87	18	4:00 p.m.	91.70
28	7:45 a.m.	89.87	26	10:10 a.m.	91.80
Apr. 4	8:05 a.m.	89.42	Oct. 3	11:15 a.m.	91.34
12	7:50 a.m.	90.06	10	11:45 a.m.	91.60
18	8:45 a.m.	89.74	17	5:30 p.m.	91.20
25	8:00 a.m.	90.07	25	12:15 p.m.	91.28
May 3	9:15 a.m.	89.61	31	9:20 a.m.	90.83
10	8:25 a.m.	90.01	Nov. 8	3:30 p.m.	91.23
16	3:45 a.m.	89.78	14	10:00 a.m.	91.20
23	9:45 a.m.	90.30	21	10:15 a.m.	91.26
30	10:00 a.m.	90.36	28	12:20 p.m.	91.20
June 6	11:00 a.m.	90.78	Dec. 5	11:50 a.m.	90.77
13	9:15 a.m.	93.51	13	10:45 a.m.	90.77
20	3:30 p.m.	94.10	19	11:35 a.m.	90.88
27	5:00 p.m.	91.62	26	11:40 a.m.	90.98
July 5	4:55 p.m.	91.89			

Annual spring measurements, and for a few wells a fall measurement, have been made as follows:

Water level, in feet below measuring point, 1941

Well	Date	Time	Water level	Well	Date	Time	Water level
205	Apr. 16	9:00 a.m.	94.79	456	Apr. 21	11:05 a.m.	83.28
210	Apr. 14	5:30 p.m.	93.34		Sept.15	10:20 a.m.	85.39
245	Apr. 28	10:10 a.m.	81.48	457	Apr. 4	2:40 p.m.	71.16
261	Apr. 28	9:30 a.m.	66.00	457A	Apr. 4	2:35 p.m.	71.50
	Sept.14	10:35 a.m.	68.05	458	Apr. 21	1:40 p.m.	66.72
274	Apr. 3	9:55 a.m.	22.63	461	Apr. 21	1:15 p.m.	61.13
293	(a)			465	Apr. 7	12:50 p.m.	37.55
304	Apr. 7	8:30 a.m.	82.08	472	Apr. 5	10:20 a.m.	52.11
305	Apr. 3	3:20 p.m.	50.31	475	Apr. 4	3:20 p.m.	60.50
311	Apr. 28	9:15 a.m.	102.30	480	Apr. 17	10:10 a.m.	54.57
	Sept.12	3:20 p.m.	104.77	484	Apr. 17	10:15 a.m.	52.42
318	Sept.14	10:30 a.m.	87.95	486	Apr. 5	10:30 a.m.	46.27
344	Sept. 7	3:00 p.m.	92.84	491	Apr. 5	11:15 a.m.	36.25
353	Sept.28	9:45 a.m.	77.79	492	Apr. 5	1:50 p.m.	45.66
355	Sept.28	1:20 p.m.	74.34	499	Apr. 5	1:35 p.m.	40.77
362	Sept. 2	11:10 a.m.	52.76	501	(a)		
364	Sept.26	10:45 a.m.	57.81	506	Apr. 17	10:35 a.m.	49.51
374A	Sept. 7	9:20 a.m.	39.21	507	Apr. 17	11:20 a.m.	42.57
378	Apr. 26	2:35 p.m.	85.49	514	Apr. 17	11:15 a.m.	44.30
392A	Apr. 26	6:35 p.m.	82.76	B 87	Apr. 3	2:00 p.m.	63.95
412	Apr. 28	12:55 p.m.	75.41		Sept.12	4:20 p.m.	66.10
414	Apr. 26	10:35 a.m.	60.57	B 91	Apr. 14	5:00 p.m.	83.30
415	Apr. 26	9:00 a.m.	67.12	B 110	Apr. 7	8:00 a.m.	83.30
420	Apr. 26	10:15 a.m.	49.35	B 133	Apr. 3	4:20 p.m.	68.38
437	Apr. 26	3:45 p.m.	74.62	B 171	(a)		
	Sept.15	9:15 a.m.	78.14	B 189	Apr. 5	11:35 a.m.	32.09
440	Apr. 21	10:35 a.m.	87.11	B 192	Apr. 5	11:40 a.m.	32.42

a Not measured in 1941.

Arkansas County--Continued.

Measurements in wells 457, 457-A, and 458, which are given in Water-Supply Paper 909, page 15, are repeated herein owing to the fact that dates for some of the measurements were given incompletely.

457. Missouri State Life Insurance Co. (?). SE¼SE¼ sec. 31, T. 5 S., R. 3 W. Measuring point, top of pit, level with land surface and 188.67 feet above sea level. This is an abandoned well about 50 feet southwest of well with pump. See well 457-A for record of measurements of that well.

Water level, in feet below measuring point, 1928-40

Date	Hour	Water level	Date	Hour	Water level
Aug. 8, 1928	.....	a73.55	Sept.22, 1932	4:20 p.m.	70.09
Sept.22	1:20 p.m.	67.50	Feb. 24, 1933	.....	f68.80
Nov. 16	2:30 p.m.	65.19	Sept.23	1:30 p.m.	72.50
May 15, 1929	6:30 p.m.	(b)	24, 1934	2:00 p.m.	71.40
Sept.10	3:30 p.m.	72.49	Feb. 23, 1935	3:00 p.m.	68.53
23	11:15 a.m.	70.82	Mar. 13, 1936	.....	69.18
Apr. 24, 1930	4:45 p.m.	65.23	Apr. 7, 1937	11:00 a.m.	70.18
May 15	2:45 p.m.	64.97	Sept.22	2:40 p.m.	72.64
Sept.22	3:30 p.m.	68.52	Apr. 8, 1938	9:20 a.m.	70.30
Apr. 29, 1931	11:00 a.m.	(c)	4, 1939	11:24.a.m.	71.56
Sept.22	12:00 p.m.	(d)	Sept.20	11:40 a.m.	74.64
Feb. 24, 1932	3:40 p.m.	e65.50	Apr. 3, 1940	3:50 p.m.	71.07

457-A. Missouri State Insurance Co. (?). SE¼SE¼ sec. 31, T. 5 S., R. 3 W. Measuring point, top of pump base, 0.5 foot above land surface and 189.13 feet above sea level. This is well with pump about 50 feet northeast of abandoned well 457.

Water level, in feet below measuring point, 1929-40

May 15, 1929	6:30 p.m.	63.60	Mar. 1, 1934	4:50 p.m.	67.96
Sept.10	3:30 p.m.	72.90	Sept.11	9:10 a.m.	171.54
23	11:15 a.m.	71.18	24	1:50 p.m.	70.76
Apr. 29, 1931	11:00 a.m.	66.17	Feb. 23, 1935	.....	68.87
May 15	11:00 a.m.	66.26	Mar. 13, 1936	.....	69.51
Sept.22	12:10 p.m.	g70.85	Apr. 7, 1937	11:00 a.m.	70.55
Feb. 24, 1932	.....	67.42	Sept.22	2:40 p.m.	73.99
Apr. 20	5:00 p.m.	66.85	Apr. 8, 1938	9:25 a.m.	69.86
Sept.22	4:20 p.m.	h70.28	4, 1939	11:25 a.m.	71.20
Feb. 24, 1933	5:50 p.m.	67.28	Sept.20	11:40 a.m.	75.02
Sept.23	1:45 p.m.	71.11	Apr. 3, 1940	3:45 p.m.	j71.40

458. Peter Schaefer. SE¼ sec. 36, T. 5 S., R. 3 W. Measuring point, top of pump base, about level with land surface and 189.48 feet above sea level.

Water level, in feet below measuring point, 1928-40

Nov. 14, 1928	p.m.	60.66	Sept.23, 1929	5:20 p.m.	61.85
Mar. 8, 1929	9:10 a.m.	59.58	Mar. 20, 1930	4:20 p.m.	60.18
May 15	5:50 p.m.	59.51	Apr. 24	4:00 p.m.	59.84
Sept.10	6:10 p.m.	62.18	Sept.22	2:55 p.m.	65.32

a Pump operating in nearby well.
b Well apparently dry at about 65 feet, but judging from later measurements tape probably was lodged on obstruction.
c Well reported dry at 66 feet by observer; tape probably lodged on obstruction.
d Tape seemed to hit mud at 73 feet.
e Measured to obstruction.
f Obstruction at 67 feet.
g Electric plant.
h Well pumped in 1932.
i Well not pumped in 1934.
j Measuring point 1 inch above top of pit.

Arkansas County--Continued.

458.--Continued.

Water level, in feet below measuring point, 1928-40

Date	Hour	Water level	Date	Hour	Water level
Apr. 29, 1931	7:30 a.m.	63.59	Sept.25, 1934	12:40 p.m.	b66.32
Sept.23	7:30 a.m.	63.59	Feb. 23, 1935	2:00 p.m.	65.37
Feb. 23, 1932	5:30 p.m.	65.02	Mar. 14, 1936	.....	64.18
Apr. 20	4:30 p.m.	64.03	Apr. 19, 1937	12:30 p.m.	64.96
Sept.23	4:00 p.m.	66.42	19, 1938	5:50 p.m.	64.96
Mar. 1, 1933	5:20 p.m.	65.00	20, 1939	4:10 p.m.	65.32
Sept.23	10:20 a.m.	a65.32	24, 1940	2:45 p.m.	65.80
Mar. 1, 1934	4:00 p.m.	63.91			

Jefferson County

270. Water levels, in feet below measuring point, 1941: Apr. 3, 9:45 a.m., 17.70; Sept. 13, 4:45 p.m., 19.60.

Lonoke County

Water level, in feet below measuring point, 1941

Well	Date	Time	Water level	Well	Date	Time	Water level
1	(c)			28	May 1	3:30 p.m.	69.79
5	May 1	3:00 p.m.	60.18	37	May 2	2:40 p.m.	57.44
8	May 1	1:45 p.m.	50.62	61	May 2	12:10 p.m.	49.54
10	(c)			78	(c)		
19	May 2	2:25 p.m.	51.91	126	May 2	9:50 a.m.	38.88
27	May 1	4:00 p.m.	63.38	127	May 2	9:35 a.m.	36.14

Monroe County

178. Water level, in feet below measuring point, 1941: Apr. 30, 12:05 p.m., 74.65.

193. Water levels, in feet below measuring point, 1941: Apr. 30, 12:45 p.m., 73.15; Sept. 14, 9:50 a.m., 74.16.

Prairie County

Water level, in feet below measuring point, 1941

45	May 1	4:40 p.m.	76.55	110	Apr. 29	11:40 a.m.	75.64
	Sept.13	3:00 p.m.	80.96		Sept.13	3:00 p.m.	78.94
55	Apr. 29	3:45 p.m.	63.59	122	Apr. 30	1:40 p.m.	78.30
	Sept.13	10:55 a.m.	74.93	135	Apr. 16	10:20 a.m.	45.54
88	Apr. 28	6:45 p.m.	61.74	144	(c)		
97	Apr. 28	6:00 p.m.	61.64	159	Apr. 16	3:35 p.m.	59.30
100	Apr. 29	2:40 p.m.	71.95	201	Apr. 16	1:50 p.m.	47.88

a Pump shut down 3 weeks.
b Well pumped in 1934.
c Not measured in 1941.

LOUISIANA

By J. C. Maher and T. B. Stanley, Jr.

Observations of water levels and artesian pressure in wells in Louisiana were continued in 1941 as a part of the cooperative ground-water investigations by the Federal Geological Survey and the Louisiana Geological Survey. In 1941 a total of 1,315 water-level measurements were made in 84 key wells in 13 parishes. These parishes are Acadia, Avoyelles, Calcasieu, East Baton Rouge, Evangeline, Grant, LaSalle, Livingston, Jefferson Davis, Morehouse, Rapides, Tangipahoa, and St. Tammany Parishes. Weekly measurements were made in 2 wells in Alexandria (Rapides Parish) and 2 wells in Baton Rouge (East Baton Rouge Parish), and monthly measurements were made in 14 wells in Allen, Grant, LaSalle, and Rapides. Water-stage recorders were operated on 4 wells in East Baton Rouge Parish, 4 wells in Rapides Parish, 2 wells in Jefferson Davis Parish, and one well each in Acadia, Allen, and Calcasieu Parishes. Observations in other wells were made at irregular intervals. All the observations were made by members of the technical staff engaged on the ground-water investigations with the exception of those for well Al-29 at Elizabeth, which were obtained through the cooperation of W. E. Emigh, of the Calcasieu Sulphate Paper Company.

The results of ground-water investigations in Grant and LaSalle Parishes[1/] were published as Geological Bulletin 20 of the Louisiana State Department of Conservation in August 1941. In October reports on Caddo and Bossier Parishes[2/] and the Natchitoches area[3/] were released. In addition, four memoranda were submitted to the War Department in connection with the national defense program. During October and November a general reconnaissance was made in northeastern Louisiana.

1/ Maher, J. C., Ground-water resources of Grant and LaSalle Parishes, Louisiana: Louisiana Dept. Cons. Geol. Bull. 20, 1941.

2/ Wiringa, L. O., and Maher, J. C., Ground-water resources of Caddo and Bossier Parishes, Louisiana: Unpublished report, released October 1941.

3/ Stanley, T. B., Memorandum on ground-water conditions in the Natchitoches area, Louisiana: Unpublished report, released October 1941.

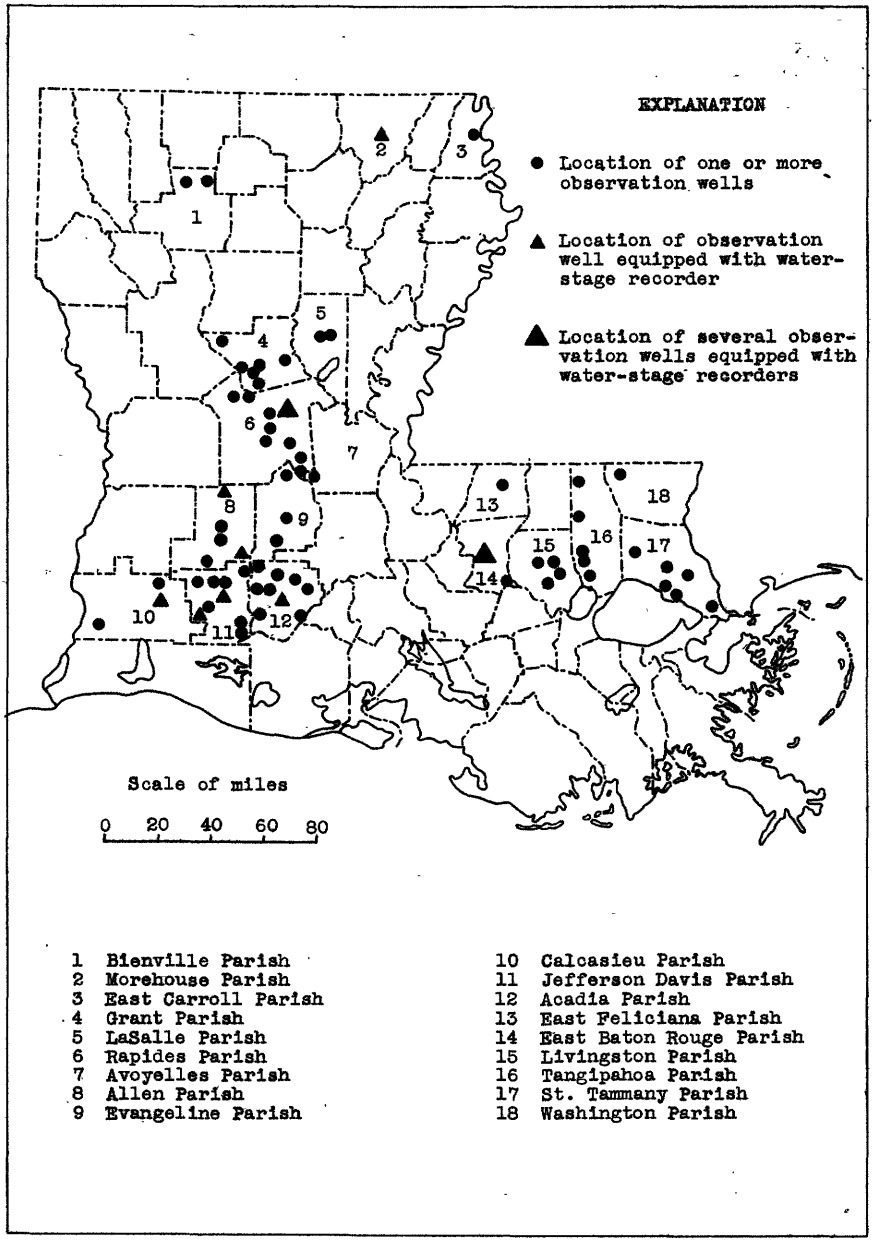

Figure 2.--Map of Louisiana showing location of observation wells.

NORTHERN LOUISIANA

The observation-well program in northern Louisiana was reduced to measurements in one well at Bastrop. No decline of water level was apparent in this area during this year. Reconnaissance work was carried out in Ouachita, Morehouse, Union, East Carroll, and West Carroll Parishes.

CENTRAL LOUISIANA

The general observation-well program in central Louisiana was curtailed somewhat during 1941 because of the need for detailed work in certain areas, such as the U. S. Army camps near Alexandria. The water-level records for 4 key wells at the U. S. Army camps are included in this report; several hundred additional observations on other U. S. Army wells are on file. A total of 604 measurements in 38 key wells in Avoyelles, Grant, LaSalle, and Rapides Parishes are given in this report. Of these, 473 were made in 26 wells in Rapides Parish, 76 in 7 wells in Grant Parish, 54 in 4 wells in LaSalle Parish, and one in a well in Avoyelles Parish.

The water levels of 1941 in wells in Grant, LaSalle, and Avoyelles Parishes, where the consumption is very small, compared favorably with those of 1940. The decline of water levels near Alexandria, in Rapides Parish, was accelerated in 1941 by increased pumpage in Alexandria and Pineville and, perhaps, by the pumping of new wells at Camp Beauregard and Camp Livingston, which are located between the city of Alexandria and the recharge area in the Kisatchie Hills. The average weekly water level in well 26, near the Monroe Street pumping station, in Alexandria, was 107.92 feet below the measuring point in 1941, as compared to 98.20 feet in 1940, and 96.95 feet in 1939. The average weekly water level in well 35, near the City Park pumping station, in Alexandria, was 118.87 feet below the measuring point in 1941, as compared to 108.43 in 1940, and 99.57 in 1939. This continued decline of water levels at Alexandria is indicated in figure 3B. Additional wells are to be drilled about 5 miles northwest of the city next year.

In 1941, Camp Livingston, about 9 miles north of Alexandria, and Camp Claiborne, about 15 miles south of Alexandria, were constructed, and Camp Beauregard, 5 miles north of Alexandria, was enlarged. At present these camps use a total of 7,000,000 to 8,000,000 gallons of water a day from wells. The wells at Camp Livingston and Camp Beauregard draw upon

the same sands (Catahoula) as the wells in Alexandria. The water levels at Camp Livingston have declined 50 to 150 feet in less than a year. It is planned to develop a surface-water supply for that camp in the near future and to test the shallow Pleistocene sands. Water levels in the deep wells at Camp Claiborne also declined seriously until a water supply was developed from the shallow Pleistocene sand and gravel in July. The water levels of the shallow Pleistocene sand and gravel have not declined appreciably.

SOUTHEASTERN LOUISIANA

Observations of artesian pressure in St. Tammany, Tangipahoa, and Livingston Parishes, made in the fall of this year, compare favorably with those made in the spring of 1940. Less water was required from wells for the irrigation of strawberries this year than in 1940, when a deficiency of rainfall occurred in the growing ssason.

Water levels and artesian pressures in the industrial area of East Baton Rouge Parish declined in the summer of 1941 below the lowest stages recorded in 1940. This decline was due to the increased pumping by expanding industrial plants. The water level in well EB-15 (700 feet deep), reached a low stage of 194.09 feet below the measuring point on August 15, 1941, as compared to 174.53 feet on August 23, 1940. Records on other wells in this area do not cover a sufficient time interval to allow comparisons, but it is expected that large declines will occur in all wells when operation is begun in the new industrial plants that are now under construction.

SOUTHWESTERN LOUISIANA

Monthly water-level measurements were made in 7 wells in Jefferson Davis Parish, 8 wells in Acadia Parish, 3 wells in Allen Parish, and 3 wells in Evangeline Parish. Observations were discontinued during the summer months, as most of the wells are pumped continuously for rice irrigation during that season. Since the recovery of the static levels in the observation wells is rather uniform after the summer pumping ceases, the wells will in the future be measured only three times each year--once immediately after the pumping season, once in mid-winter, and once in the spring just before the pumping season, when the water levels are at the highest stage. Measurements made just before the pumping season have

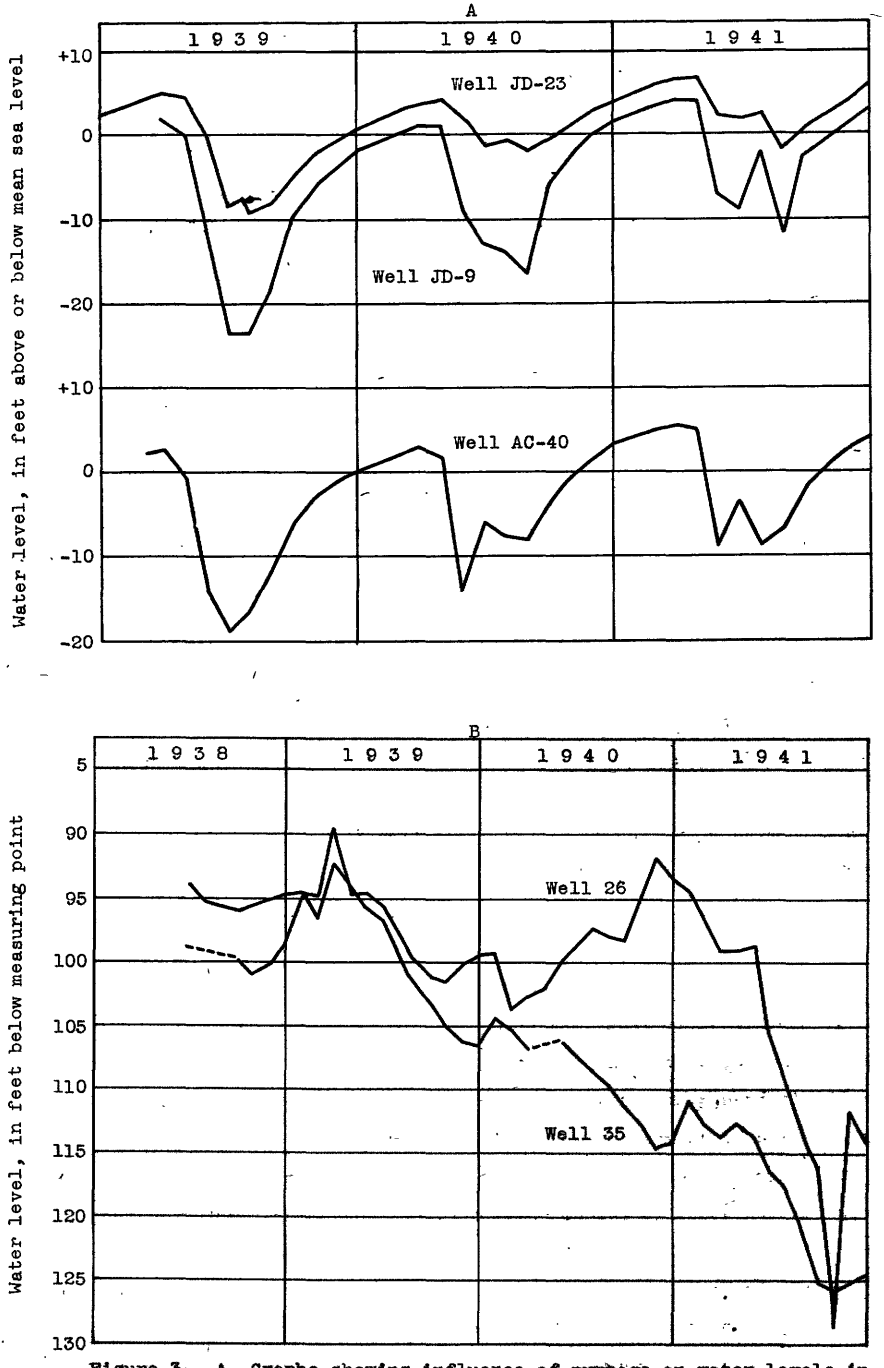

Figure 3.--A, Graphs showing influence of pumpage on water levels in wells in the rice area of southwestern Louisiana. B, Graphs showing water levels during the period 1938-41 in wells 26 and 35, Alexandria, La.

proved to be the most valuable ones for comparative purposes. Three water-stage recorders were operated in these parishes. Observations were made in 4 wells in Calcasieu Parish, one of which, located near Lake Charles, is equipped with a water-stage recorder.

The seasonal character of the pumping for the irrigation of rice results in a sharp decline of the water levels during the summer and a slow recovery during the fall, winter, and spring, as is shown in figure 3A. The records show that there was a net rise in the water levels in 1941, as there had been in 1940. This recovery was due to the large amount of precipitation during the 1939 and 1940 growing seasons, which furnished a considerable supply of water that would otherwise have been pumped from wells to flood the rice fields.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

A brief description of the work and records of the measurements made during 1938, 1939, and 1940 are contained in Water-Supply Papers 845, 886, and 909. A description of each observation well, its location and measuring point is contained in the paper in which the first measurements for that well are reported. These reports are indicated for each well in the following records. The letter W is used as an abbreviation for Water-Supply Paper. All measuring points are near the land surface, and accordingly the measurements show approximately the water levels with reference to that surface.

Acadia Parish

Ac-5. Mrs. W. S. Bruner. NW¼ sec. 15, T. 8 S., R. 2 E. (W. 886, p. 232).

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	2:30 p.m.	46.30	Apr. 10	4:12 p.m.	44.14
Feb. 6	3:10 p.m.	45.13	Sept.19	2:50 p.m.	51.08
Mar. 6	3:05 p.m.	44.47			

Ac-22. Harry Frey. Sec. 19, T. 7 S., R. 1 E. (W. 886, p. 233).

Water level, in feet below measuring point, 1941

Jan. 2	3:30 p.m.	42.96	Apr. 10	12:35 p.m.	40.30
Feb. 6	4:00 p.m.	41.60	Sept.19	3:30 p.m.	50.40
Mar. 6	4:00 p.m.	41.05			

Ac-34. Dr. F. N. Hayes. SW¼ sec. 10, T. 7 S., R. 2 W. (W.886, p. 233).

Water level, in feet below measuring point, 1941

Jan. 2	5:00 p.m.	45.40	Mar. 27	4:20 p.m.	42.98
30	5:40 p.m.	44.53	Apr. 10	10:07 a.m.	43.01
Feb. 27	4:30 p.m.	42.82	Sept.19	4:59 p.m.	51.13

Ac-35. Onezime Doucet. NW¼ sec. 22, T. 8 S., R. 2 W. (W. 886, p. 233).

Water level, in feet below measuring point, 1941

Jan. 2	4:35 p.m.	38.03	Mar. 27	4:00 p.m.	35.47
30	5:15 p.m.	37.05	Apr. 10	10:23 a.m.	35.42
Feb. 27	4:02 p.m.	36.36	Sept.19	4:35 p.m.	44.46

Ac-40. H. A. Kerr. NE¼ sec. 1, T. 9 S., R. 1 W. (W. 886, p. 234).

Water level, in feet below measuring point, 1941 (from recorder charts)

Jan. 2	3:55 p.m.	28.78	July 11	11:30 a.m.	42.06
9	2:30 p.m.	28.61	18	12:10 p.m.	37.24
16	3:30 p.m.	28.15	25	12:25 p.m.	35.70
23	1:55 p.m.	28.07	Aug. 1	2:10 p.m.	39.73
30	4:10 p.m.	27.82	8	11:04 a.m.	41.20
Feb. 6	4:30 p.m.	27.50	15	1:40 p.m.	38.46
13	10:30 a.m.	27.34	22	10:45 a.m.	43.89
20	3:05 p.m.	27.21	29	2:45 p.m.	44.27
27	3:10 p.m.	27.04	Sept. 5	10:20 a.m.	40.70
Mar. 6	2:00 p.m.	26.82	12	3:25 p.m.	37.85
13	2:50 p.m.	26.68	19	3:55 p.m.	36.02
20	1:58 p.m.	26.33	26	3:30 p.m.	34.56
27	3:20 p.m.	26.30	Oct. 3	3:47 p.m.	33.53
Apr. 5	11:25 a.m.	26.21	10	10:30 a.m.	32.70
12	4:35 p.m.	26.34	17	2:45 p.m.	31.95
19	2:50 p.m.	26.88	24	2:30 p.m.	31.41
25	3:00 p.m.	26.77	Nov. 2	3:45 p.m.	30.60
May 2	4:20 p.m.	26.60	7	11:40 a.m.	30.27
9	2:20 p.m.	26.38	14	11:50 a.m.	29.89
16	11:30 a.m.	33.47	21	12:00 noon	29.52
23	3:00 p.m.	43.46	28	1:33 p.m.	29.28
June 6	3:50 p.m.	36.91	Dec. 5	11:55 a.m.	28.99
13	3:45 p.m.	39.66	12	11:40 a.m.	28.50
20	12:00 noon	37.32	19	11:30 a.m.	28.30
27	2:50 p.m.	35.94	26	11:40 a.m.	27.94
July 4	11:40 a.m.	35.94			

Acadia Parish--Continued.

Ac-56. Henry Bieber. NW¼ sec. 36, T. 7 S., R. 1 E. (W.886, p. 234). Water levels, in feet below measuring point, 1941: Jan. 2, 2:55 p.m., 48.32; Feb. 6, 3:30 p.m., 47.16; Mar. 6, 3:25 p.m., 46.48; Apr. 10, 3:25 p.m., 45.98.

Ac-175. Leon Lapleau. North line sec. 46, T. 10 S., R. 2 W. (W.886, p. 235).

Water level, in feet below measuring point, 1941.

Date	Hour	Water level	Date	Hour	Water level
Jan. 30	3:33 p.m.	19.75	Apr. 10	8:25 a.m.	17.95
Feb. 27	2:16 p.m.	19.13	Oct. 3	3:20 p.m.	24.20
Mar. 27	2:45 p.m.	18.42			

Ac-179. Dr. F. N. Hayes. NW¼ sec. 34, T. 8 S., R. 1 W. (W. 886, p. 235).

Water level, in feet below measuring point, 1941

Jan. 2	4:10 p.m.	37.86	Mar. 27	3:40 p.m.	35.37
30	4:25 p.m.	36.95	Apr. 10	1:30 p.m.	35.32
Feb. 27	3:33 p.m.	36.22	Sept.19	4:15 p.m.	45.02

Allen Parish

Al-1. Measurements discontinued.

Al-7. M. Carroll. NW¼ sec. 36, T. 4 S., R. 4 W. (W. 909, p. 30).

Water level, in feet below measuring point, 1941

Jan. 2	8:45 a.m.	50.28	Mar. 27	9:05 a.m.	48.51
30	9:15 a.m.	49.12	Oct. 3	9:16 a.m.	53.54
Feb. 27	9:10 a.m.	49.98			

Al-16. Sam Fisher. SE¼ sec. 22, T. 5 S., R. 4 W. (W. 909, p. 31). Water levels, in feet below measuring point, 1941: Jan. 2, 9:15 a.m., 42.95; Jan. 30, 9:45 a.m., 42.72; Feb. 27, 9:35 a.m., 42.98; Mar. 27, 9:25 a.m., 42.12.

Al-17. Town of Kinder. Abandoned air lift well located near south wall of water works building. (W. 909, p. 31).

Water level, in feet below measuring point, 1941

Jan. 30	10:10 a.m.	36.09	Aug. 1	9:40 a.m.	35.26
Feb. 27	9:55 a.m.	36.09	29	9:10 a.m.	38.60
Mar. 27	9:48 a.m.	35.57	Oct. 3	9:58 a.m.	36.77
May 2	10:45 a.m.	35.86	Nov. 7	3:45 p.m.	35.88
30	10:15 a.m.	35.95	Dec. 12	4:25 p.m.	36.22
July 2	4:30 p.m.	35.53			

Al-29. Calcasieu Sulphate Paper Co. (W. 909, p. 31). Elizabeth, east of paper mill.

Water level, at 8:00 a.m., in feet below measuring point, 1941 (from recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	a 51.14	Mar. 11	51.46	May 13	50.84	July 15	50.34
15	b 50.94	18	51.30	20	50.84	22	50.28
21	51.25	25	50.99	27	50.86	29	47.18
28	51.50	Apr. 1	50.86	June 3	48.54	Aug. 5	49.57
Feb. 4	51.48	8	51.02	10	50.35	12	49.22
11	51.36	15	50.99	17	50.63	19	50.08
18	51.27	22	50.87	24	50.59	26	50.22
25	51.27	29	50.94	July 1	50.57	Sept. 2	49.99
Mar. 4	51.28	May 6	50.76	8	50.48	9	49.87

a Water level at 2:30 p.m. b Water level at 9:30 a.m.

Allen Parish--Continued.

Al-29. Calcasieu Sulphate Paper Co.--Continued.

Water level, at 8:00 a.m., in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept.16	49.77	Oct. 14	51.93	Nov. 11	50.96	Dec. 9	52.14
23	49.92	21	51.73	18	50.64	16	52.24
30	54.62	28	52.03	25	52.19	23	51.91
Oct. 7	50.67	Nov. 4	51.03	Dec. 2	52.83	30	50.65

Avoyelles Parish

Av-18. Haas Investment Company. (W. 845, p. 146). Shirley Plantation on parish line, sec. 28, T. 1 S., R. 2 E. Water level, in feet below measuring point, 1941: May 26, 15.78.

Bienville Parish

Bi-2. Measurements discontinued.

Bi-4. Measurements discontinued.

Calcasieu Parish

Cu-2. Town of Vinton. (W. 909, p. 32). Westernmost of three airlift wells located at ice plant. Water level, in feet below measuring point, 1941: Sept. 5, 2:25 p.m., 2.73.

Cu-4. Krause & Managan Lumber Co., Ltd. (W. 909, p. 32). Located in town of Westlake on lake front approximately 300 yards south-southeast of municipal water tower. Water level, in feet below measuring point, 1941: Sept. 15, 4:00 p.m., 38.57.

Cu-5. Jim Turner. SE¼ sec. 8, T. 8 S., R. 8 W. (W. 909, p. 32). Water level, in feet below measuring point, 1941: Sept. 16, 9:25 a.m., 10.97.

Cu-8. Krause & Managan Lumber Co., Ltd. SE¼ sec. 15, T. 9 S., R. 9 W. (W. 909, p. 32).

Water level, in feet below measuring point, 1941 (from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	11:25 a.m.	4.44	June 20	3:05 p.m.	11.02
9	11:20 a.m.	4.37	July 4	3:20 p.m.	12.13
16	12:45 p.m.	3.82	11	2:35 p.m.	12.50
23	11:00 a.m.	4.11	18	3:40 p.m.	12.97
30	12:50 p.m.	4.24	25	3:35 p.m.	13.44
Feb. 6	11:45 a.m.	4.04	Aug. 1	11:15 a.m.	14.00
13	1:05 p.m.	4.28	8	3:10 p.m.	14.40
20	12:15 p.m.	4.43	15	10:30 a.m.	14.68
27	12:10 p.m.	4.60	22	2:10 p.m.	14.74
Mar. 6	11:25 a.m.	4.68	Sept. 5	1:30 p.m.	12.91
13	12:20 p.m.	4.42	12	12:40 p.m.	15.14
20	11:15 a.m.	3.60	19	11:00 a.m.	15.50
27	12:00 noon	4.35	26	11:00 a.m.	14.90
Apr. 5	3:10 p.m.	4.74	Oct. 10	2:10 p.m.	14.18
12	1:15 p.m.	5.05	17	11:00 a.m.	14.92
19	11:45 a.m.	5.04	24	11:30 a.m.	15.62
25	11:45 a.m.	5.25	Nov. 2	1:00 p.m.	15.09
May 2	1:05 p.m.	5.20	7	2:40 p.m.	14.96
9	11:15 a.m.	5.20	14	2:38 p.m.	14.97
16	2:05 p.m.	5.91	28	10:55 a.m.	15.32
23	11:40 a.m.	6.24	Dec. 5	3:15 p.m.	14.62
30	12:50 p.m.	5.10	12	2:45 p.m.	14.16
June 6	12:35 p.m.	8.29	19	3:10 p.m.	14.02
13	12:40 p.m.	9.72			

East Baton Rouge Parish

EB-15. Standard Oil Company of Louisiana. Baton Rouge refinery, southeast of tank 67. (W. 909, p. 32).

Water level, in feet below measuring point, 1941 (from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	9:45 a.m.	144.24	July 18	9:44 a.m.	182.71
10	9:20 a.m.	146.33	25	9:45 a.m.	185.85
17	9:25 a.m.	147.45	Aug. 1	9:40 a.m.	187.30
24	10:00 a.m.	146.00	8	10:00 a.m.	187.98
31	9:20 a.m.	142.42	15	9:25 a.m.	194.09
Feb. 7	3:05 p.m.	142.84	22	9:50 a.m.	193.56
14	3:40 p.m.	147.15	29	10:40 a.m.	193.44
21	2:40 p.m.	147.17	Sept. 5	10:05 a.m.	190.20
28	9:55 a.m.	148.96	12	3:00 p.m.	192.46
Mar. 7	10:00 a.m.	147.03	19	10:15 a.m.	193.28
14	10:55 a.m.	143.99	26	3:05 p.m.	191.78
21	10:25 a.m.	140.95	Oct. 3	9:30 a.m.	188.93
28	11:00 a.m.	144.29	10	2:30 p.m.	190.33
Apr. 4	9:35 a.m.	145.00	17	3:05 p.m.	181.93
11	9:45 a.m.	149.65	24	3:20 p.m.	168.12
18	10:55 a.m.	150.09	31	9:25 a.m.	159.08
25	2:10 p.m.	154.96	Nov. 7	9:25 a.m.	159.39
May 2	2:30 p.m.	150.51	14	9:25 a.m.	154.14
9	10:20 a.m.	151.03	21	9:45 a.m.	152.48
16	2:10 p.m.	154.58	28	9:50 a.m.	153.75
23	9:10 a.m.	153.63	Dec. 5	10:40 a.m.	151.03
30	11:25 a.m.	172.14	12	9:25 a.m.	149.34
July 4	6:00 a.m.	180.61	19	9:20 a.m.	151.72
11	9:07 a.m.	182.32	26	9:57 a.m.	152.10

EB-22. Standard Oil Company of Louisiana. Baton Rouge refinery, southwest of tank 784. (W. 909, p. 33).

Water level, in feet below measuring point, 1941 (from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	9:25 a.m.	145.30	July 4	5:40 a.m.	187.59
10	9:00 a.m.	145.82	11	9:25 a.m.	187.17
17	9:05 a.m.	147.22	18	9:30 a.m.	187.30
24	9:40 a.m.	146.58	25	9:25 a.m.	188.36
31	9:05 a.m.	149.52	Aug. 1	9:14 a.m.	188.64
Feb. 7	2:45 p.m.	148.28	8	9:40 a.m.	189.39
14	4:00 p.m.	147.17	15	9:00 a.m.	199.13
21	2:20 p.m.	146.62	22	9:05 a.m.	194.22
28	9:35 a.m.	147.79	29	9:40 a.m.	196.03
Mar. 7	9:45 a.m.	148.08	Sept. 5	9:15 a.m.	193.59
14	10:35 a.m.	145.77	12	2:15 p.m.	195.26
21	10:00 a.m.	142.58	19	9:25 a.m.	196.17
28	10:40 a.m.	141.60	26	2:25 p.m.	193.03
Apr. 4	9:20 a.m.	150.30	Oct. 3	8:50 a.m.	191.15
11	9:30 a.m.	153.61	10	2:10 p.m.	190.35
18	10:30 a.m.	154.26	17	3:00 p.m.	183.79
25	1:55 p.m.	157.60	24	3:05 p.m.	170.52
May 2	2:15 p.m.	155.38	31	9:05 a.m.	164.67
9	10:00 a.m.	156.83	Nov. 7	9:05 a.m.	162.60
16	1:55 p.m.	157.12	14	9:05 a.m.	159.30
23	8:50 a.m.	158.02	21	9:35 a.m.	158.69
30	10:05 a.m.	177.79	28	9:30 a.m.	159.92
June 6	9:50 a.m.	182.08	Dec. 5	10:20 a.m.	156.19
13	9:05 a.m.	183.61	12	9:05 a.m.	155.02
20	2:50 p.m.	185.74	19	9:00 a.m.	156.13
27	11:00 a.m.	185.21	26	9:35 a.m.	153.71

EB-39. Measurements discontinued.

East Baton Rouge Parish--Continued.

EB-45. Standard Oil Company of Louisiana. Baton Rouge refinery, east well on dock approach. (W. 909, p. 33).

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	10:15 a.m.	120.35	July 4	6:10 a.m.	169.09
10	10:00 a.m.	121.56	11	8:50 a.m.	172.42
17	10:05 a.m.	123.63	25	10:00 a.m.	173.00
24	10:15 a.m.	123.09	Aug. 1	9:55 a.m.	175.96
31	9:35 a.m.	121.48	8	10:20 a.m.	176.79
Feb. 7	3:20 p.m.	120.91	15	10:00 a.m.	181.70
14	4:30 p.m.	126.97	22	9:25 a.m.	180.65
21	2:58 p.m.	127.59	29	10:00 a.m.	181.84
28	10:15 a.m.	129.14	Sept. 5	9:40 a.m.	178.85
Mar. 7	10:20 a.m.	126.96	12	2:40 p.m.	180.80
14	11:10 a.m.	123.56	19	9:50 a.m.	181.74
21	10:40 a.m.	121.50	26	3:45 p.m.	178.81
28	11:15 a.m.	123.50	Oct. 3	9:10 a.m.	176.24
Apr. 4	9:45 a.m.	124.28	10	2:45 p.m.	175.41
11	10:15 a.m.	128.94	17	3:15 p.m.	165.80
18	11:30 a.m.	132.92	24	3:35 p.m.	149.60
25	2:25 p.m.	136.66	31	9:45 a.m.	142.02
May 2	2:30 p.m.	134.00	Nov. 7	9:45 a.m.	141.16
9	10:35 a.m.	134.67	14	10:00 a.m.	138.85
16	2:30 p.m.	133.49	21	10:05 a.m.	138.15
23	9:30 a.m.	136.90	28	10:15 a.m.	138.94
30	10:45 a.m.	156.58	Dec. 5	10:55 a.m.	137.18
June 6	10:20 a.m.	161.39	12	9:50 a.m.	134.73
13	9:40 a.m.	165.99	19	9:45 a.m.	135.00
20	3:20 p.m.	165.65	26	10:10 a.m.	137.20
27	10:10 a.m.	165.80			

EB-53. Standard Oil Company of Louisiana. Baton Rouge refinery, west well on dock approach. (W. 909, p. 33).

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	10:25 a.m.	113.18	July 4	6:15 a.m.	141.28
10	10:05 a.m.	114.52	11	8:55 a.m.	144.65
17	10:10 a.m.	114.89	25	10:05 a.m.	159.17
24	10:25 a.m.	115.42	Aug. 1	10:00 a.m.	150.94
31	9:45 a.m.	114.41	8	10:30 a.m.	141.63
Feb. 7	3:25 p.m.	113.85	15	10:05 a.m.	154.60
14	4:40 p.m.	114.93	22	9:35 a.m.	151.40
21	3:05 p.m.	115.46	29	10:05 a.m.	155.93
Mar. 7	10:30 a.m.	116.06	Sept. 5	9:45 a.m.	153.92
14	11:15 a.m.	114.96	12	2:45 p.m.	154.83
21	10:50 a.m.	113.65	19	9:55 a.m.	156.40
28	11:25 a.m.	114.00	26	3:50 p.m.	154.02
Apr. 4	10:00 a.m.	115.14	Oct. 3	9:15 a.m.	152.94
11	10:30 a.m.	117.92	10	2:55 p.m.	152.83
18	11:40 a.m.	119.04	17	3:20 p.m.	146.08
25	2:30 p.m.	122.08	24	3:45 p.m.	132.90
May 2	2:40 p.m.	115.28	31	9:50 a.m.	126.97
9	10:40 a.m.	115.17	Nov. 7	9:40 a.m.	123.29
16	2:40 p.m.	119.57	14	9:50 a.m.	116.17
23	9:35 a.m.	121.78	21	10:00 a.m.	114.16
30	11:05 a.m.	136.55	28	10:10 a.m.	117.94
June 6	10:30 a.m.	142.70	Dec. 5	10:50 a.m.	117.19
13	9:45 a.m.	145.36	12	9:45 a.m.	116.14
20	3:30 p.m.	145.75	19	9:40 a.m.	118.28
27	10:00 a.m.	142.25	26	10:15 a.m.	118.19

East Baton Rouge Parish--Continued.

EB-74. Solvay Process Company. Baton Rouge, at gate. (W. 909, p.33).

Water level, in feet below measuring point, 1941
(from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	8:55 a.m.	139.85	July 4	5:20 a.m.	157.98
10	8:30 a.m.	139.66	11	8:30 a.m.	158.43
17	8:35 a.m.	139.76	18	9:00 a.m.	160.26
24	8:50 a.m.	139.67	25	9:00 a.m.	161.64
31	8:35 a.m.	139.56	Aug. 1	8:45 a.m.	162.99
Feb. 7	2:15 p.m.	139.88	8	9:05 a.m.	164.22
14	3:00 p.m.	140.13	15	8:35 a.m.	165.70
21	1:55 p.m.	140.42	22	8:30 a.m.	167.54
28	9:10 a.m.	140.49	29	9:10 a.m.	168.87
Mar. 7	9:15 a.m.	140.66	Sept. 5	8:55 a.m.	169.38
14	10:15 a.m.	140.90	12	3:20 p.m.	169.91
21	9:40 a.m.	140.80	19	9:05 a.m.	170.44
28	10:15 a.m.	139.72	26	2:00 p.m.	170.39
Apr. 4	8:50 a.m.	139.03	Oct. 3	8:25 a.m.	170.04
11	9:00 a.m.	139.63	10	1:45 p.m.	169.64
18	9:00 a.m.	140.37	17	2:30 p.m.	168.69
25	1:05 p.m.	141.80	24	3:45 p.m.	164.28
May 2	1:20 p.m.	141.57	31	8:40 a.m.	159.85
9	9:35 a.m.	141.74	Nov. 7	9:45 a.m.	155.76
16	1:30 p.m.	142.30	14	8:35 a.m.	151.99
23	8:30 a.m.	143.30	21	9:10 a.m.	148.74
30	9:40 a.m.	146.29	28	9:05 a.m.	145.95
June 6	9:15 a.m.	150.49	Dec. 5	10:00 a.m.	144.31
13	8:40 a.m.	154.13	12	8:45 a.m.	142.83
20	2:25 p.m.	156.90	19	8:40 a.m.	142.30
27	9:35 a.m.	157.97	26	9:05 a.m.	142.12

EB-82. Gulf States Utilities. (W. 909, p. 34). Baton Rouge, power plant. Water levels, in feet above measuring point, 1941: Jan. 22, 3.5; Mar. 4, 6.5.

EB-125. Peoples Ice and Fuel Company. (W. 909, p. 34). Baton Rouge, 1031 Railroad Avenue. Water levels, in feet below measuring point, 1941: Mar. 21, 90.42; Sept. 5, 130.60.

EB-128. Ice Service, Inc. (W. 909, p. 34). Baton Rouge, 135 South 15th Street.

Water level, in feet below measuring point, 1941
(from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
Jan. 3	8:20 a.m.	83.42	May 23	8:00 a.m.	84.00
10	8:10 a.m.	82.48	30	9:10 a.m.	85.98
17	8:00 a.m.	81.69	June 6	8:35 a.m.	88.82
24	8:00 a.m.	81.70	13	8:05 a.m.	91.38
31	8:00 a.m.	81.48	20	1:50 p.m.	92.69
Feb. 7	10:20 a.m.	80.98	27	9:05 a.m.	93.64
14	5:00 p.m.	81.06	July 4	6:30 a.m.	94.69
21	1:25 p.m.	81.36	11	8:00 a.m.	95.66
28	8:40 a.m.	81.56	18	8:15 a.m.	96.60
Mar. 7	8:40 a.m.	81.53	25	8:25 a.m.	97.32
14	9:45 a.m.	81.58	Aug. 1	8:05 a.m.	98.45
21	9:00 a.m.	80.79	8	8:30 a.m.	99.10
28	9:30 a.m.	80.24	15	8:00 a.m.	100.42
Apr. 4	8:15 a.m.	80.00	22	7:55 a.m.	101.81
11	8:17 a.m.	80.67	29	8:35 a.m.	102.68
18	9:30 a.m.	81.69	Sept. 5	8:25 a.m.	102.98
24	12.35 p.m.	82.32	12	1:45 p.m.	103.16
May 2	12:45 p.m.	82.74	19	8:20 a.m.	103.98
9	9:05 a.m.	82.97	26	1:30 p.m.	104.52
16	10:15 a.m.	83.50	Oct. 3	7:55 a.m.	104.63

East Baton Rouge Parish--Continued.

EB-128. Ice Service, Inc.--Continued.

Water level, in feet below measuring point, 1941 (from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
Oct. 10	3:15 p.m.	104.64	Nov. 21	8:25 a.m.	93.30
17	2:10 p.m.	103.79	28	8:35 a.m.	92.75
24	2:10 p.m.	101.90	Dec. 5	9:35 a.m.	92.09
31	8:00 a.m.	99.41	12	8:10 a.m.	91.33
Nov. 7	8:07 a.m.	96.75	19	8:10 a.m.	90.63
14	8:08 a.m.	94.61	26	8:17 a.m.	89.86

EB-175. Measurements discontinued.

East Carroll Parish

Ec-3. Measurements discontinued.

East Feliciana Parish

EF-1. Measurements discontinued.

Evangeline Parish

Ev-1. John LaHaye. (W.886, p. 236). SW¼ sec. 20, T. 4 S., R. 1 E. Water levels, in feet below measuring point, 1941: Jan. 9, 3:05 p.m., 51.05; Feb. 13, 9:55 a.m., 50.05; Mar. 6, 4:25 p.m., 49.64; Oct. 3, 4:35 p.m., 55.13.

Ev-2. Dorestant Ardoin. (W. 886, p. 236). North line sec. 37, T. 6 S., R. 1 W. Water levels, in feet below measuring point, 1941: Jan. 9, 3:30 p.m., 43.73; Feb. 13, 9:20 a.m., 43.13; Mar. 6, 4:50 p.m., 43.05; Oct. 3, 5:01 p.m., 45.32.

Ev-4. Rock Island Ry. (W. 909, p. 35). SW¼ sec. 31, T. 1 S., R. 1 E.

Water level, in feet below measuring point, 1941

Jan. 9	4:05 p.m.	28.94	Aug. 1	3:50 p.m.	21.86
Feb. 13	8:45 a.m.	33.17	29	4:20 p.m.	27.44
Mar. 6	5:20 p.m.	34.55	Oct. 3	5:35 p.m.	25.69
May 2	5:35 p.m.	27.33	Nov. 7	9:40 a.m.	24.22
June 6	5:31 p.m.	19.68	Dec. 2	10:00 a.m.	22.38

Grant Parish

G-2. Carnahan, Hunthunce, and Hargiss. (W. 845, p. 146). Sec. 5, T. 5 N., R. 3 W.

Water level, in feet below measuring point, 1941

Jan. 7	10:55 a.m.	4.78	May 27	10:18 a.m.	3.98
22	1:30 p.m.	5.15	June 10	10:35 a.m.	3.80
Feb. 4	2:00 p.m.	5.21	24	10:47 a.m.	2.39
18	3:10 p.m.	5.33	July 9	5:45 p.m.	4.69
Mar. 4	11:20 a.m.	4.50	27	5:45 p.m.	5.02
18	11:25 a.m.	4.39	Aug. 25	6:15 p.m.	13.20
Apr. 15	11:00 a.m.	5.64	Oct. 14	9:35 a.m.	6.18
29	9:45 a.m.	2.83	Nov. 11	9:45 a.m.	4.33
May 13	11:57 a.m.	1.85	Dec. 15	3:40 p.m.	6.93

G-9. Measurements discontinued.

Grant Parish--Continued.

G-11. City of Colfax. Behind pumping station. (W. 845, p. 146). Well plugged Apr. 15, 1941.

Water level, in feet below measuring point, 1941.

Date	Hour	Water level	Date	Hour	Water level
Jan. 7	11:20 a.m.	21.13	Feb. 18	3:35 p.m.	22.92
22	1:50 p.m.	21.12	Mar. 4	11:40 a.m.	20.36
Feb. 4	2:23 p.m.	21.10	18	11:50 a.m.	19.97

G-19. Measurements discontinued.

G-21. United States Department of Agriculture. Catahoula Fire Tower, Pollock. (W. 845, p. 146).

Water level, in feet below measuring point, 1941

Jan. 7	1:25 p.m.	137.77	May 13	3:00 p.m.	138.30
22	3:35 p.m.	138.85	27	2:05 p.m.	138.49
Feb. 4	3:45 p.m.	138.79	June 10	1:35 p.m.	137.04
19	1:20 p.m.	137.76	24	1:25 p.m.	138.95
Mar. 4	12:35 p.m.	137.59	July 8	4:15 p.m.	137.64
18	1:50 p.m.	138.74	Oct. 6	4:20 p.m.	138.69
Apr. 15	2:05 p.m.	138.68	Nov. 4	4:30 p.m.	137.82
29	5:05 p.m.	138.64	Dec. 23	10:05 a.m.	138.34

G-27. 4-H Club Camp. (W. 845, p. 146). SE¼SW¼SW¼ sec. 4, T. 6 N., R. 1 E., Fishville. Water level, in feet above measuring point, 1941: May 27, 1.75.

G-30. Rock Hill School on Highway 71. (W. 845, p. 146). Water level, in feet below measuring point, 1941: June 10, 19.46.

G-38. Grant Utilities Company. (W. 886, p. 237). Montgomery, northwest well behind power plant.

Water level, in feet below measuring point, 1941

Jan. 7	12:01 p.m.	18.12	June 10	12:10 p.m.	16.99
22	2:25 p.m.	18.03	24	11:53 a.m.	17.00
Feb. 4	2:50 p.m.	17.26	July 8	5:15 p.m.	16.29
18	4:05 p.m.	17.71	27	4:50 p.m.	15.27
Mar. 4	10:50 a.m.	17.39	Aug. 11	5:15 p.m.	16.09
18	12:45 p.m.	17.37	28	3:05 p.m.	16.31
Apr. 15	12:45 p.m.	17.28	Oct. 14	10:30 a.m.	16.34
29	3:30 p.m.	16.92	Nov. 11	11:00 a.m.	16.01
May 13	1:07 p.m.	16.73	Dec. 15	2:35 p.m.	15.90
27	12:10 p.m.	16.88			

G-44. Measurements discontinued.

G-61. Oakgrove Church. NW¼ sec. 11, T. 6 N., R. 2 W. (W.886, p.237). Well plugged Nov. 4.

Water level, in feet below measuring point, 1941

Jan. 7	1:05 p.m.	37.30	May 13	2:35 p.m.	36.82
22	3:15 p.m.	37.20	27	1:30 p.m.	37.01
Feb. 4	3:25 p.m.	37.15	June 10	1:05 p.m.	36.36
19	12:55 p.m.	37.11	24	1:00 p.m.	36.43
Mar. 4	12:10 p.m.	37.28	July 8	4:35 p.m.	36.54
18	1:30 p.m.	37.32	27	3:55 p.m.	36.43
Apr. 15	1:45 p.m.	37.39	Aug. 11	4:30 p.m.	36.59
29	4:40 p.m.	37.43	Oct. 6	4:45 p.m.	37.13

Jefferson Davis Parish

JD-6. Latrielle Estate. NW¼ sec. 22, T. 8 S., R. 4 W. (W. 886, p. 238).

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 30	11:25 a.m.	41.18	Apr. 7	2:00 p.m.	39.17
Feb. 27	11:00 a.m.	40.30	Oct. 3	11:00 a.m.	45.50
Mar. 27	10:45 a.m.	39.45			

JD-9. Calcasieu-Marine National Bank. NW¼ sec. 34, T. 9 S., R. 4 W. (W.845, p. 147).

Water level, in feet below measuring point, 1941 (from recorder charts)

Jan. 2	1:00 p.m.	23.18	July 4	1:30 p.m.	32.60
9	1:20 p.m.	22.98	11	12:53 p.m.	33.25
16	2:10 p.m.	22.50	18	2:00 p.m.	29.75
23	1:00 p.m.	22.39	25	1:30 p.m.	27.50
30	2:30 p.m.	22.16	Aug. 1	1:05 p.m.	26.95
Feb. 6	1:40 p.m.	21.80	8	12:45 p.m.	35.87
13	11:35 a.m.	21.62	22	12:10 p.m.	40.88
20	1:50 p.m.	21.50	29	1:40 p.m.	38.15
27	1:28 p.m.	21.35	Sept. 5	11:38 a.m.	34.32
Mar. 6	1:00 p.m.	21.13	12	2:20 p.m.	31.85
13	1:40 p.m.	21.03	19	1:15 p.m.	30.10
20	12:45 p.m.	20.65	26	1:20 p.m.	27.78
27	1:35 p.m.	20.61	Oct. 3	2:35 p.m.	26.81
Apr. 5	1:30 p.m.	20.44	10	11:58 a.m.	27.03
12	3:00 p.m.	20.54	17	1:00 p.m.	26.32
19	1:25 p.m.	21.43	24	1:25 p.m.	25.74
25	1:50 p.m.	20.64	Nov. 2	2:40 p.m.	24.89
May 2	3:05 p.m.	20.44	7	1:00 p.m.	24.64
9	1:20 p.m.	20.58	14	1:20 p.m.	24.21
16	12:45 p.m.	24.27	21	1:30 p.m.	23.77
23	1:45 p.m.	33.30	28	12:30 p.m.	23.50
30	3:00 p.m.	32.68	Dec. 5	1:25 p.m.	23.12
June 6	2:30 p.m.	29.52	12	1:00 p.m.	22.80
13	2:25 p.m.	29.64	19	1:31 p.m.	22.60
20	1:25 p.m.	32.75	26	1:06 p.m.	22.18
27	1:40 p.m.	35.93			

JD-11. Mrs. T. L. Linscomb. NE¼ sec. 28, T. 7 S., R. 3 W. (W. 845, p. 147).

Water level, in feet below measuring point, 1941

Jan. 30	11:05 a.m.	45.16	Apr. 10	9:45 a.m.	43.44
Feb. 27	10:45 a.m.	44.41	Oct. 3	10:35 a.m.	48.16
Mar. 27	10:30 a.m.	43.53			

JD-23. Calcasieu-Marine National Bank. NE¼ sec. 4, T. 10 S., R. 6 W. (W. 886, p. 240).

Water level, in feet below measuring point, 1941 (from recorder charts)

Jan. 2	12:35 p.m.	21.35	Apr. 5	1:57 p.m.	19.13
9	12:30 p.m.	21.12	12	2:25 p.m.	19.08
16	1:45 p.m.	20.76	19	12:45 p.m.	19.04
23	12:15 p.m.	20.64	25	1:15 p.m.	19.00
30	1:55 p.m.	20.45	May 2	2:15 p.m.	18.98
Feb. 6	12:45 p.m.	20.20	9	12:15 p.m.	18.91
13	12:10 p.m.	20.02	16	1:15 p.m.	19.14
20	1:15 p.m.	19.87	23	1:10 p.m.	20.40
27	12:50 p.m.	19.72	30	2:00 p.m.	23.18
Mar. 6	12:15 p.m.	19.62	June 6	1:40 p.m.	23.23
13	1:10 p.m.	19.50	13	1:35 p.m.	23.28
27	1:10 p.m.	19.24	20	2:00 p.m.	23.50

Jefferson Davis Parish--Continued.

JD-23. Calcasieu-Marine National Bank--Continued.

Water level, in feet below measuring point, 1941 (from recorder charts)

Date	Hour	Water level	Date	Hour	Water level
June 27	1:05 p.m.	23.42	Oct. 3	1:33 p.m.	24.64
July 4	2:15 p.m.	23.42	10	12:50 p.m.	24.21
11	1:35 p.m.	21.38	17	12:20 p.m.	23.77
18	2:30 p.m.	22.92	24	12:40 p.m.	23.43
25	2:20 p.m.	22.63	Nov. 2	2:00 p.m.	22.84
Aug. 1	12:20 p.m.	22.52	7	1:30 p.m.	22.66
8	2:10 p.m.	23.12	14	1:50 p.m.	22.38
15	11:30 a.m.	26.32	21	2:10 p.m.	22.04
22	12:55 p.m.	27.76	28	12:05 p.m.	21.83
29	1:05 p.m.	28.35	Dec. 5	2:00 p.m.	21.59
Sept. 5	12:25 p.m.	27.54	12	1:30 p.m.	21.34
12	1:45 p.m.	26.70	19	2:00 p.m.	21.20
19	12:10 p.m.	25.94	26	1:36 p.m.	20.85
26	12:15 p.m.	25.22			

JD-26. I. L. Hebert. NE¼ sec. 21, T. 10 S., R. 3 W. (W.886, p. 240).

Water level, in feet below measuring point, 1941

Jan. 30	2:50 p.m.	23.67	Apr. 8	3:25 p.m.	22.25
Feb. 27	1:43 p.m.	23.07	Sept.25	2:00 p.m.	28.41
Mar. 27	1:55 p.m.	22.29			

JD-42. Fritz Miller. SE¼ sec. 24, T. 8 S., R. 5 W. (W. 909, p. 39).

Water level, in feet below measuring point, 1941

Jan. 30	11:35 a.m.	39.70	Apr. 7	2:15 p.m.	37.61
Feb. 27	11:10 a.m.	38.82	Oct. 3	11:15 a.m.	44.39
Mar. 27	10:55 a.m.	37.89			

JD-43. Colon Leger. NE¼ sec. 24, T. 8 S., R. 6 W. (W. 886, p. 241).

Water level, in feet below measuring point, 1941

Jan. 30	11:50 a.m.	29.49	Apr. 7	3:00 p.m.	27.96
Feb. 27	11:25 a.m.	28.84	Oct. 3	11:40 a.m.	33.46
Mar. 27	11:10 a.m.	28.20			

JD-65. Dewitt Smith. SW¼ sec. 3, T. 11 S., R. 3 W. (W. 886, p. 241). Water levels, in feet below measuring point, 1941: Jan. 30, 3:05 p.m., 16.30; Feb. 27, 1:55 p.m., 15.87; Mar. 27, 2:10 p.m., 15.15; Apr. 8, 3:15 p.m., 15.17.

JD-115. Calcasieu-Marine National Bank. NE¼ sec. 34, T. 9 S., R. 5 W. (W. 886, p. 241).

Water level, in feet below measuring point, 1941

Jan. 30	2:20 p.m.	31.36	Apr. 8	11:55 a.m.	29.58
Feb. 27	1:10 p.m.	30.53	Oct. 3	2:00 p.m.	37.38
Mar. 27	1:25 p.m.	29.79			

LaSalle Parish

La-18. Good Pine Lumber Company. NE¼ sec. 9, T. 8 N., R. 3 E. (W. 886, p. 241). Good Pine, under derrick on pond behind boiler room.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 7	2:55 p.m.	34.10	June 10	3:15 p.m.	33.45
27	2:25 p.m.	39.15	24	2:57 p.m.	34.40
Feb. 4	4:55 p.m.	33.95	July 8	3:30 p.m.	34.49
19	2:38 p.m.	33.90	27	2:50 p.m.	34.20
Mar. 4	2:05 p.m.	34.01	Aug. 11	3:25 p.m.	33.17
18	3:05 p.m.	33.89	26	11:30 a.m.	33.33
Apr. 15	3:25 p.m.	33.66	Oct. 6	3:33 p.m.	33.11
28	2:40 p.m.	33.64	Nov. 4	3:00 p.m.	29.20
May 27	4:00 p.m.	33.57	Dec. 23	11:30 a.m.	32.98

La-41. Louisiana Delta Hardwood Lumber Company. NE¼ sec. 8, T. 8 N., R. 3 E. (W. 886, p. 242). Trout, at west road entrance to mill.

Water level, in feet below measuring point, 1941

Jan. 7	2:20 p.m.	29.33	June 10	2:40 p.m.	28.55
27	1:50 p.m.	29.33	24	2:20 p.m.	28.50
Feb. 4	4:20 p.m.	29.15	July 8	3:00 p.m.	28.58
19	2:05 p.m.	29.08	27	2:20 p.m.	28.44
Mar. 4	1:35 p.m.	29.04	Aug. 11	3:00 p.m.	28.32
18	2:35 p.m.	28.98	26	11:00 a.m.	28.68
Apr. 15	2:50 p.m.	28.33	Oct. 6	3:00 p.m.	28.78
28	2:05 p.m.	23.78	Nov. 4	3:08 p.m.	33.89
May 27	3:30 p.m.	28.67	Dec. 23	11:00 a.m.	28.32

La-42. Louisiana Delta Hardwood Lumber Company. NE¼ sec. 8, T. 8 N., R. 3 E. (W. 886, p. 242). Trout, under derrick at lumber shed.

Water level, in feet below measuring point, 1941

Jan. 7	2:30 p.m.	34.06	June 10	2:50 p.m.	33.24
27	.....	34.15	24	2:30 p.m.	33.19
Feb. 4	4:30 p.m.	33.91	July 8	3:10 p.m.	33.34
19	2:15 p.m.	33.79	27	2:30 p.m.	33.15
Mar. 4	1:45 p.m.	33.76	Aug. 11	3:10 p.m.	33.09
18	2:45 p.m.	33.66	26	11:10 a.m.	33.26
Apr. 15	3:00 p.m.	33.56	Oct. 6	3:10 p.m.	33.27
28	2:15 p.m.	33.51	Nov. 4	3:28 p.m.	33.09
May 27	3:40 p.m.	33.36	Dec. 23	11:10 a.m.	33.08

Livingston Parish

Li-4. Garyville Lumber Company. Livingston, northeast well at abandoned shop site. (W. 909, p. 40). Water level, in feet above measuring point, 1941: Sept. 6, 2.2.

Li-10. McCarroll Lumber Company. Frost, north side of mill pond. (W. 909, p. 40). Water level, in feet above measuring point, 1941: Sept. 6, 2.2.

Li-11. Sharp CCC Camp. Springville. (W. 909, p. 40). Water level, in feet above measuring point, 1941: Sept. 6, 2.12.

Li-16. J. F. McCarroll. Holden, 200 feet west of residence. (W. 909, p. 40). Pressure, in pounds per square inch, 1941: Sept. 6, 58 lbs.

Morehouse Parish

Mo-1. Town of Bastrop. Bastrop, city park. (W. 909, p. 40). Water levels, in feet below measuring point, 1941: Aug. 20, 72.22; Dec. 3, 73.36.

Rapides Parish

1. Measurements discontinued.

3. Measurements discontinued.

4. City of Alexandria. Fourth and Monroe Sts. (W. 845, p. 137).

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 1	9:20 a.m.	7.52	July 2	10:05 a.m.	5.87
8	9:25 a.m.	7.30	9	12:30 p.m.	7.42
15	11:25 a.m.	7.34	16	9:40 a.m.	8.35
22	11:00 a.m.	8.16	22	12:40 p.m.	9.35
29	1:35 p.m.	9.23	30	9:25 a.m.	9.46
Feb. 5	4:25 p.m.	9.94	Aug. 6	9:00 a.m.	11.24
12	9:55 a.m.	9.23	13	8:45 a.m.	12.28
19	10:25 a.m.	10.53	20	9:50 a.m.	13.33
26	3:50 p.m.	10.70	27	9:25 a.m.	14.10
Mar. 5	11:00 a.m.	10.39	Sept. 3	10:15 a.m.	14.32
12	10:30 a.m.	10.00	10	9:15 a.m.	14.48
19	9:50 a.m.	9.93	17	9:16 a.m.	14.87
26	8:45 a.m.	9.64	24	12:50 p.m.	15.09
Apr. 2	9:35 a.m.	10.55	Oct. 1	1:30 p.m.	15.24
9	9:10 a.m.	11.10	8	8:35 a.m.	15.64
16	11:00 a.m.	11.82	15	9:05 a.m.	15.15
23	9:20 a.m.	11.41	22	8:50 a.m.	14.74
30	9:10 a.m.	9.64	Nov. 18	11:00 a.m.	10.14
May 7	11:15 a.m.	6.16	19	8:50 a.m.	10.46
14	9:00 a.m.	4.05	26	9:15 a.m.	11.53
21	9:10 a.m.	3.84	Dec. 3	10:15 a.m.	11.87
28	10:30 a.m.	5.54	10	8:50 a.m.	12.98
June 4	10:25 a.m.	4.90	17	10:45 a.m.	13.38
11	9:20 a.m.	6.01	24	9:55 a.m.	12.46
18	9:30 a.m.	4.85	31	9:00 a.m.	11.90
25	10:55 a.m.	5.17			

7. City of Alexandria. Fifth and Monroe Sts. (W.845, p. 139). Water level, in feet below measuring point, 1941: Feb. 12, 145.34.

11. Measurements discontinued.

12. Measurements discontinued.

20. City of Alexandria. Southwest corner old swimming pool in City Park.

Water level, in feet below measuring point, 1941

Jan. 1	11:20 a.m.	142.00	Apr. 16	11:30 a.m.	149.00
15	1:00 p.m.	145.00	23	1:45 p.m.	149.00
22	11:25 a.m.	147.50	30	12:30 p.m.	149.00
Feb. 7	1:15 p.m.	147.50	May 7	5:30 p.m.	149.00
14	12:15 p.m.	145.00	June 11	5:35 p.m.	149.00
28	12:20 p.m.	149.00	18	4:30 p.m.	149.00
Mar. 5	12:50 p.m.	150.00	25	1:15 p.m.	105.44
12	9:15 a.m.	150.00	July 2	3:48 p.m.	149.00
19	11:10 a.m.	150.00	9	6:05 p.m.	149.00
26	10:40 a.m.	149.00	30	5:38 p.m.	152.50
Apr. 2	.....	149.00	Aug. 14	5:10 p.m.	149.00
9	1:30 p.m.	149.00	20	5:15 p.m.	149.00

21. City of Alexandria. Fourth and St. James Sts. (W. 845, p. 140).

Water level, in feet below measuring point, 1941

Jan. 1	10:20 a.m.	90.94	Feb. 5	5:47 p.m.	94.18
8	10:30 a.m.	91.28	12	10:55 a.m.	94.97
15	8:30 a.m.	91.75	19	10:40 a.m.	95.88
22	9:00 a.m.	92.75	26	4:30 p.m.	96.36
29	3:25 p.m.	92.84	Mar. 5	11:20 a.m.	97.05

Rapides Parish--Continued.

21. City of Alexandria --Continued.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Mar. 12	5:45 p.m.	96.85	Aug. 6	11:00 a.m.	108.55
19	10:10 a.m.	97.73	13	10:35 a.m.	109.13
26	9:45 a.m.	98.04	20	11:03 a.m.	110.35
Apr. 2	1:15 p.m.	98.72	27	11:40 a.m.	111.11
9	10:00 a.m.	98.74	Sept. 3	11:20 a.m.	111.35
16	2:20 p.m.	100.17	10	11:40 a.m.	113.31
23	12:30 p.m.	91.84	17	11:10 a.m.	113.63
30	11:30 a.m.	103.87	24	1:30 p.m.	114.22
May 7	12:15 p.m.	103.89	Oct. 1	2:30 p.m.	114.78
14	10:25 a.m.	104.60	8	12:55 p.m.	118.60
21	10:30 a.m.	105.06	15	12:50 p.m.	115.47
28	10:55 a.m.	105.81	22	4:45 p.m.	115.50
June 4	11:30 a.m.	105.35	29	10:10 a.m.	115.20
11	11:10 a.m.	105.14	Nov. 5	10:35 a.m.	113.07
18	1:20 p.m.	105.22	19	9:15 a.m.	118.90
July 2	2:30 p.m.	106.12	26	1:10 p.m.	115.70
9	10:30 a.m.	107.36	Dec. 10	1:59 p.m.	131.60
16	11:30 a.m.	107.93	17	9:15 a.m.	123.72
23	1:20 p.m.	108.34	24	11:00 a.m.	128.30
30	1:00 p.m.	107.97			

22. J. N. Balls. Alexandria, Kent Park at Texas Avenue. (W. 845, p. 140). Water level, in feet below measuring point, 1941: June 3, 22.90.

26. Missouri Pacific R. R. Alexandria, abandoned roundhouse on N. 13th St.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 1	9:00 a.m.	94.40	July 2	9:35 a.m.	109.28
8	9:00 a.m.	95.02	9	8:45 a.m.	109.84
15	11:45 a.m.	95.44	16	9:15 a.m.	111.81
22	10:05 a.m.	95.73	23	9:00 a.m.	110.93
29	1:55 p.m.	96.88	30	8:45 a.m.	112.10
Feb. 5	4:11 p.m.	96.96	Aug. 6	8:45 a.m.	113.48
12	9:20 a.m.	96.64	13	8:35 a.m.	114.38
19	10:05 a.m.	97.42	20	9:10 a.m.	115.80
26	3:35 p.m.	98.78	27	9:00 a.m.	116.22
Mar. 5	10:30 a.m.	99.15	Sept. 3	8:45 a.m.	115.85
12	9:30 a.m.	98.99	10	8:45 a.m.	117.57
19	9:30 a.m.	98.97	17	8:45 a.m.	115.69
26	8:30 a.m.	99.02	24	9:05 a.m.	123.69
Apr. 2	9:10 a.m.	99.12	Oct. 1	3:00 p.m.	128.86
9	8:45 a.m.	99.55	8	9:15 a.m.	133.15
16	10:00 a.m.	100.90	15	8:45 a.m.	122.88
23	8:30 a.m.	100.00	22	8:35 a.m.	118.66
30	8:40 a.m.	99.58	29	9:50 a.m.	114.93
May 7	8:30 a.m.	98.72	Nov. 5	8:45 a.m.	111.53
14	8:30 a.m.	101.44	19	8:30 a.m.	110.21
21	8:30 a.m.	103.38	26	8:50 a.m.	115.91
28	8:35 a.m.	104.57	Dec. 3	9:30 a.m.	114.19
June 4	9:45 a.m.	105.53	10	8:30 a.m.	112.59
11	8:45 a.m.	106.95	17	11:09 a.m.	112.08
18	9:00 a.m.	108.60	24	9:30 a.m.	114.30
25	10:30 a.m.	109.17	31	8:30 a.m.	114.80

28. Measurements discontinued.

30. Measurements discontinued.

34. Louisiana and Arkansas Railway. Abandoned roundhouse. (W. 909, p. 43). Well plugged May 14, 1941.

Rapides Parish--Continued.

34. Louisiana and Arkansas Railway.--Continued.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 1	11:00 a.m.	100.74	Mar. 12	5:30 p.m.	98.72
8	11:00 a.m.	100.33	19	10:50 a.m.	98.37
15	9:10 a.m.	100.91	26	10:00 a.m.	98.17
22	9:20 a.m.	99.93	Apr. 2	1:30 p.m.	97.98
29	3:45 p.m.	99.73	9	10:25 a.m.	97.80
Feb. 5	5:40 p.m.	99.53	16	2:45 p.m.	98.93
12	11:10 a.m.	99.36	23	12:50 p.m.	99.41
19	11:00 a.m.	99.19	30	11:50 a.m.	98.00
26	5:05 p.m.	99.13	May 7	12:30 p.m.	98.62
Mar. 5	11:40 a.m.	98.80			

35. Pine Products Company. Alexandria. (W. 845, p. 141).

Water level, in feet below measuring point, 1941

Jan. 1	10:45 a.m.	110.61	July 9	10:58 a.m.	118.40
8	10:45 a.m.	111.22	16	11:50 a.m.	119.33
15	8:50 a.m.	112.14	23	1:03 p.m.	119.95
22	9:45 a.m.	111.89	30	1:20 p.m.	120.30
29	4:05 p.m.	112.26	Aug. 6	11:15 a.m.	120.92
Feb. 5	5:25 p.m.	112.67	13	10:45 a.m.	121.92
12	11:30 a.m.	112.95	20	1:20 p.m.	123.22
19	11:40 a.m.	113.26	27	11:15 a.m.	124.67
26	4:45 p.m.	113.70	Sept. 3	11:53 a.m.	125.40
Mar. 5	12:01 p.m.	113.84	10	11:25 a.m.	125.85
12	5:18 p.m.	114.08	17	11:30 a.m.	126.25
19	10:30 a.m.	114.00	24	1:45 p.m.	126.62
26	10:20 a.m.	112.87	Oct. 1	2:15 p.m.	125.88
Apr. 2	1:45 p.m.	112.65	8	1:40 p.m.	126.14
9	10:55 a.m.	113.14	15	1:20 p.m.	126.58
16	3:05 p.m.	114.04	22	5:00 p.m.	126.84
23	1:20 p.m.	114.62	29	10:35 a.m.	127.13
30	12:10 p.m.	114.61	Nov. 5	10:50 a.m.	125.31
May 7	12:45 p.m.	113.60	12	12:55 p.m.	123.98
14	10:45 a.m.	113.96	19	9:25 a.m.	123.98
21	10:00 a.m.	114.75	26	12:50 p.m.	124.35
28	11:30 a.m.	115.50	Dec. 3	4:45 p.m.	124.67
June 4	11:50 a.m.	116.24	10	1:44 p.m.	124.70
11	11:30 a.m.	117.06	17	9:30 a.m.	124.17
18	1:40 p.m.	117.45	24	11:20 a.m.	124.47
25	1:35 p.m.	116.63	31	9:35 a.m.	121.33
July 2	3:00 p.m.	117.75			

43A. Missouri Pacific R. R. Alexandria. (W. 845, p. 141). Water level, in feet below measuring point, 1941: Dec. 23, 154.10.

45. Measurements discontinued.

67. Louisiana Ice and Electric Company. Lecompte. (W. 845, p. 142) Water level, in feet below measuring point, 1941: May 26, 85.56.

77. Measurements discontinued.

78. Percy Hoyt. SW cor. sec. 20, T. 1 N., R. 2 E., Cheneyville. (W. 845, p. 142). Water level, in feet below measuring point, 1941: May 26, 14.20.

85. Measurements discontinued.

89. State Colony Farm. SE cor. sec. 39, T. 4 N., R. 2 W. (W. 845, p. 142). Water level, in feet below measuring point, 1941: Nov. 13, 4.80.

90. J. A. Brown. SW cor. sec. 73, T. 4 N., R. 2 W. (W. 845, p.142). Water level, in feet below measuring point, 1941: June 3, 12.78.

133. Measurements discontinued.

Rapides Parish--Continued.

135. Arbuthnot mill site. Sec. 61, T. 5 N., R. 3 W. (W. 845, p. 143).

Water level, in feet above measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 7	10:40 a.m.	7.5	May 27	9:50 a.m.	6.6
22	1:10 p.m.	7.5	June 10	10:15 a.m.	6.7
Feb. 4	1:45 p.m.	6.7	24	10:25 a.m.	8.0
18	2:55 p.m.	6.4	July 7	5:25 p.m.	6.9
Mar. 4	11:00 a.m.	6.5	22	6:25 p.m.	6.8
18	11:00 a.m.	7.0	Oct. 14	9:15 a.m.	7.2
Apr. 15	10:40 a.m.	6.7	Nov. 11	9:25 a.m.	7.5
29	9:20 a.m.	7.1	Dec. 15	4:30 p.m.	6.0
May 13	11:40 a.m.	9.3			

139. H. Dearborn. Quarry station, sec. 1, T. 5 N., R. 4 W. (W. 845, p. 144).

Water level, in feet below measuring point, 1941

Jan. 7	10:00 a.m.	15.15	May 27	9:15 a.m.	14.43
22	12:30 p.m.	14.96	June 10	9:45 a.m.	14.15
Feb. 4	1:15 p.m.	14.91	24	9:45 a.m.	14.03
18	2:20 p.m.	14.86	July 7	4:50 p.m.	13.92
Mar. 4	10:25 a.m.	14.63	22	5:50 p.m.	13.82
18	10:30 a.m.	14.75	Aug. 25	5:45 p.m.	11:40
Apr. 15	10:00 a.m.	14.83	Oct. 14	8:40 a.m.	14.95
29	8:40 a.m.	14.68	Nov. 11	8:45 a.m.	15.39
May 13	11:10 a.m.	14.41	Dec. 15	4:00 p.m.	15.20

150. Grady Kelly. Sec. 82, T. 4 N., R. 1 W. (W. 845, p. 144). Water levels, in feet below measuring point, 1941: June 3, 10.45; Nov. 13, 12.80.

183. O. T. Oden. Eight miles south of Alexandria on Highway 165. (W. 845, p. 144). Water level, in feet below measuring point, 1941: Oct. 20, 28.24.

184. O. T. Oden. Eight miles south of Alexandria on Highway 165. (W. 845, p. 144). Water level, in feet below measuring point, 1941: Oct. 20, 27.14.

188. J. H. Wise. Woodworth. (W. 845, p. 144).

Water level, in feet above measuring point, 1941

Jan. 23	8:45 a.m.	3.99	June 11	5:00 p.m.	3.25
Feb. 14	4:05 p.m.	2.67	July 9	5:30 p.m.	2.60
21	4:15 p.m.	2.51	25	8:45 a.m.	4.86
Mar. 20	9:50 a.m.	4.71	Oct. 20	2:20 p.m.	2.89
Apr. 23	4:45 p.m.	5.34	Dec. 26	8:05 a.m.	3.96
May 13	2:15 p.m.	3.72			

201. Louisiana Ice and Electric Company. Pineville, in street behind power plant. Well plugged Aug. 15. (W. 886, p. 249).

Water level, in feet below measuring point, 1941

Jan. 1	10:10 a.m.	142.52	Apr. 9	12:50 p.m.	150.77
10	10:00 a.m.	144.72	16	2:00 p.m.	152.55
15	9:35 a.m.	144.89	23	11:45 a.m.	151.42
22	4:25 p.m.	148.03	30	11:10 a.m.	152.37
29	3:00 p.m.	151.39	May 7	1:45 p.m.	153.25
Feb. 5	5:10 p.m.	148.69	14	1:00 p.m.	156.14
12	10:40 a.m.	147.85	21	3:05 p.m.	155.55
21	4:45 p.m.	151.67	28	1:05 p.m.	157.90
26	4:15 p.m.	150.33	June 4	11:15 a.m.	158.85
Mar. 5	3:00 p.m.	151.80	11	10:50 a.m.	159.93
12	11:30 a.m.	150.93	18	11:00 a.m.	159.78
19	12:01 p.m.	149.47	25	11:55 a.m.	161.83
26	9:30 a.m.	149.62	July 2	3:25 p.m.	162.16
Apr. 2	12:55 p.m.	151.74	9	11:25 a.m.	163.42

Rapides Parish--Continued.

201. Louisiana Ice and Electric Company.--Continued.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
July 16	10:45 a.m.	165.59	July 30	11:05 a.m.	164.18
23	10:30 a.m.	163.23	Aug. 6	9:40 a.m.	160.18

207. State Hospital for Insane. Pineville. (W. 845, p. 145). Water level, in feet below measuring point, 1941: May 26, 70.04.

208. State Hospital for Insane. Pineville. (W. 845, p. 145). Water level, in feet below measuring point, 1941: May 26, 146.98.

209. Measurements discontinued.

218. Camp Beauregard. (W. 845, p. 145). About 5 miles north of Pineville at south border of camp.

Water level, in feet below measuring point, 1941

Jan. 1	9:45 a.m.	81.27	July 9	12:01 p.m.	85.17
8	9:55 a.m.	81.47	16	10:15 a.m.	85.27
15	11:00 a.m.	81.40	23	10:00 a.m.	85.73
22	4:00 p.m.	81.64	30	10:30 a.m.	86.17
29	2:30 p.m.	81.74	Aug. 6	9:23 a.m.	86.50
Feb. 5	4:50 p.m.	81.64	13	10:15 a.m.	86.88
12	10:20 a.m.	81.46	20	10:30 a.m.	87.01
19	5:05 p.m.	81.52	27	10:30 a.m.	86.23
26	1:40 p.m.	81.46	Sept. 3	10:45 a.m.	87.44
Mar. 5	2:30 p.m.	81.46	12	8:40 a.m.	87.61
12	11:00 p.m.	81.35	17	10:20 a.m.	87.74
19	12:30 p.m.	81.43	24	8:30 a.m.	86.27
26	9:05 a.m.	81.35	Oct. 1	3:30 p.m.	87.40
Apr. 2	12:35 p.m.	81.40	8	10:00 a.m.	88.96
9	12:25 p.m.	81.53	15	11:20 a.m.	89.57
16	1:30 p.m.	81.73	22	12:01 p.m.	90.26
23	11:25 a.m.	81.88	29	8:45 a.m.	90.54
30	9:40 a.m.	81.99	Nov. 5	9:52 a.m.	90.55
May 7	10:30 a.m.	82.00	12	11:48 a.m.	90.51
14	12:30 p.m.	82.18	20	4:15 p.m.	90.53
21	2:25 p.m.	82.79	26	11:27 a.m.	90.48
28	12:30 p.m.	83.55	Dec. 3	10:45 a.m.	90.35
June 4	10:55 a.m.	83.70	10	12:45 p.m.	90.52
11	10:20 a.m.	83.88	17	10:15 a.m.	90.61
18	10:10 a.m.	84.20	24	10:30 a.m.	90.51
25	11:25 a.m.	84.61	31	10:45 a.m.	90.75
July 2	10:40 a.m.	84.63			

344. Camp Livingston. NW cor. sec. 3, T. 5 N., R. 1 E. Abandoned test well, diameter 4 inches, depth 502 feet. Measuring point, top of 4-inch casing, 2 feet above land surface.

Water level, in feet below measuring point, 1940-41

Date	Hour	Water level	Date	Hour	Water level
Oct. 15, 1940	.....	125.00	Sept.30, 1941	3:05 p.m.	235.06
July 1, 1941	10:35 a.m.	272.26	Oct. 7	11:05 a.m.	252.54
8	8:30 a.m.	276.00	14	3:15 p.m.	255.59
15	10:30 a.m.	273.55	21	2:40 p.m.	252.80
22	11:59 a.m.	279.14	28	2:55 p.m.	265.02
29	3:55 p.m.	279.14	Nov. 13	2:17 p.m.	262.23
Aug. 5	12:25 p.m.	272.63	19	2:50 p.m.	263.78
12	10:45 a.m.	273.95	25	3:10 p.m.	247.35
19	3:30 p.m.	263.13	Dec. 2	2:38 p.m.	264.40
26	2:58 p.m.	241.02	9	1:10 p.m.	256.54
Sept.10	4:35 p.m.	224.71	16	3:25 p.m.	271.10
16	2:45 p.m.	221.92	23	3:50 p.m.	253.30
~~23~~	~~3:50~~ p.m.	~~221.40~~	30	~~12:50~~ p.m.	~~243.38~~

Rapides Parish--Continued.

347. Camp Claiborne. 200 feet north of South Fourth Street, and 75 feet west of I Street. Drilled observation well for well 8 (U.S.G.S. 322), diameter 4 inches, depth 404 feet. Measuring point, bottom edge of tee, 2.6 feet above land surface.

Water level, in feet below measuring point, 1941

Date	Hour	Water level	Date	Hour	Water level
Jan. 28	3:40 p.m.	78.86	Aug. 27	3:43 p.m.	72.81
Feb. 7	2:45 p.m.	79.29	Sept. 3	3:40 p.m.	69.88
14	2:50 p.m.	73.39	17	3:50 p.m.	67.57
21	1:40 p.m.	75.13	24	3:55 p.m.	67.62
28	1:15 p.m.	106.87	Oct. 2	3:25 p.m.	69.47
Mar. 7	4:10 p.m.	88.19	8	3:45 p.m.	70.19
13	10:15 a.m.	104.96	15	2:25 p.m.	69.83
May 7	3:15 p.m.	102.79	22	3:15 p.m.	69.90
June 4	1:50 p.m.	127.58	29	1:45 p.m.	70.53
11	4:25 p.m.	79.28	Nov. 5	1:50 p.m.	69.65
July 9	3:50 p.m.	119.89	12	1:51 p.m.	70.86
16	3:30 p.m.	133.61	26	1:55 p.m.	69.88
23	4:10 p.m.	129.74	Dec. 5	9:25 a.m.	65.97
30	4:35 p.m.	99.00	10	2:53 p.m.	70.82
Aug. 6	3:10 p.m.	94.76	17	2:18 p.m.	68.89
13	2:21 p.m.	132.35	26	3:30 p.m.	68.47
20	4:24 p.m.	80.07			

368. Camp Claiborne. 50 feet from well 12 (U.S.G.S. 367). Drilled observation well, diameter 4 inches, depth 162 feet. Measuring point, top of 4-inch casing, 1.5 feet above land surface.

Water level, in feet below measuring point, 1941

July 9	4:45 p.m.	66.89	Oct. 8	2:25 p.m.	72.74
16	4:00 p.m.	66.88	15	3:00 p.m.	67.37
23	3:15 p.m.	66.87	22	1:35 p.m.	67.46
30	2:20 p.m.	66.83	29	2:10 p.m.	67.30
Aug. 6	1:55 p.m.	66.81	Nov. 5	3:20 p.m.	72.90
13	1:05 p.m.	66.81	12	2:33 p.m.	67.62
20	2:12 p.m.	67.45	26	2:25 p.m.	67.14
27	1:50 p.m.	77.29	Dec. 5	8:15 a.m.	71.02
Sept. 3	1:45 p.m.	66.96	10	3:20 p.m.	67.15
17	3:00 p.m.	66.78	17	3:25 p.m.	77.52
24	2:50 p.m.	66.77	26	3:50 p.m.	67.13
Oct. 2	2:00 p.m.	68.27			

St. Tammany Parish

St-2. Mayer Israel. NE¼ sec. 7, T. 6 S., R. 11 E., Covington. (W. 886, p. 250). Pressure, in pounds per square inch, 1941: Sept. 5, 38 lbs.

St-4. Poitevent and Favre Lumber Company. SW¼NE¼ sec. 9, T. 7 S., R. 12 E., 100 yards north of Highway 114. (W. 886, p. 250). New measuring point, top of casing, 0.5 foot above surface. Water level, in feet above gage, 1941: Sept. 8, 4.0.

St-6. Poitevent and Favre Lumber Company. SW¼SW¼ sec. 17, T. 7 S., R. 13 E., on south side of Highway 114. (W. 886, p. 250). Water level, in feet above gage, 1941: Sept. 5, 5.0.

St-10. State Fish Hatchery. Sec. 38, T. 8 S., R. 12 E., Lacombe, south well. (W. 886, p. 250). Pressure, in pounds per square inch, 1941: Sept. 5, 15 lbs.

St-12. Tchefuncte State Park. Sec. 43, T. 8 S., R. 12 E., Golf Course. (W. 886, p. 250). Pressure, in pounds per square inch, 1941: Sept. 5, 22.0 lbs.

St. Tammany Parish--Continued.

St-16. Great Southern Lumber Company. Sec. 20, T. 5 S., R. 13 E., 0.5 mile south and 1.5 miles west of Bush. (W. 886, p. 250). Pressure, in pounds per square inch, 1941: Sept. 5, 11.0 lbs.

Tangipahoa Parish

Descriptions of wells, their locations and measuring points in this parish are given on p. 251, Water-Supply Paper 886.

Ta-5. Southern United Ice Company. Amite, at rear of lot behind ice plant. Water level, in feet above gage, 1941: Sept. 4, 9.2.

Ta-7. Town of Ponchatoula. About 50 feet west of pumping station. Water level, in feet above gage, 1941: Sept. 4, 8.7.

Ta-8. Louisiana Cypress Lumber Company. NE¼SW¼ sec. 45, T. 7 S., R. 8 E., Ponchatoula, about 200 yards west of Highway 122, at railroad spur on road to lumber mill. Water level, in feet above gage, 1941: Sept. 4, 6.9.

Ta-10. Williams Lumber Company. NW¼SE¼ sec. 45, T. 7 S., R. 8 E., one mile south of Ponchatoula at arch across Highway 122. Water level, in feet above gage, 1941: Sept. 4, 17.5.

Ta-17. Carl Blumquist. Center NE¼ sec. 6, T. 6 S., R. 8 E., in field corner. Water level, in feet above measuring point, 1941: Sept. 4, 2.2.

Ta-19. V. Stevens. SE¼NE¼ sec. 26, T. 7 S., R. 8 E., in field. Water level, in feet above gage, 1941: Sept. 4, 18.7.

Ta-21. Burns Davis. N½ irreg. sec. 54, T. 7 S., R. 7 E., at shed. Water level, in feet above gage, 1941: Sept. 4, 8.9.

Ta-23. Otto Bignor. South line, sec. 50, T. 7 S., R. 7 E., in field. Water level, in feet above measuring point, 1941: Sept. 4, 3.1.

Ta-24. Clyde Starkey. Center sec. 53, T. 7 S., R. 7 E., in field. Water level, in feet above gage, 1941: Sept. 4, 5.8.

Ta-36. No measurement in 1941.

Washington Parish

Wa-1. Measurements discontinued.

OKLAHOMA

By S. L. Schoff and E. W. Reed

The observation-well program in Oklahoma, reported in Water-Supply Papers 777, 817, 840, 845, 886, and 909, was continued in 1941 as part of the investigation of the ground-water resources of the State by the Federal Geological Survey in cooperation with the Oklahoma Geological Survey and the Oklahoma Agricultural and Mechanical College.

Observations in the Stillwater Creek Basin, which were conducted in cooperation with the Soil Conservation Service of the Department of Agriculture from June 1934 to July 1940, were continued in 1941 through the cooperation of Dr. H. J. Harper, head of the Department of Agronomy of Oklahoma Agricultural and Mechanical College, Stillwater, Okla. Dr. M. J. Plice, also of the Department of Agronomy, made the water-level measurements in the wells in 1941. A brief description of the topography and geology of the area was given in Water-Supply Paper 777.

Many observation wells were selected in connection with an investigation of the ground-water resources of the Oklahoma Panhandle that was begun in 1937 in cooperation with the Oklahoma Geological Survey, and more than half of the observation wells are in that part of the State. In 1939, however, water-level measurements were begun in 1 well in Cleveland County, and in 1940 the program was expanded by the addition of 11 observation wells along the North Canadian River valley, between Yukon and the Harper-Beaver County line. In 1941, 3 wells were added to the program, 15 were dropped as noted elsewhere in this report, and several were inactive.

The general geology and ground-water resources of the Panhandle were described in Water-Supply Papers 840 and 845, the geologic relationships of Cleveland County well 1 were described in Water-Supply Paper 886, and the North Canadian River valley was described in Water-Supply Paper 909. Although the wells added in 1941 do not materially increase the area covered by the observation-well program, another aquifer is included. Cleveland County well 2 taps water in the so-called Garber sandstones, of Permian age, which furnish water under artesian pressure in a large area in central

Oklahoma. These sandstones, which are lenticular and interbedded with shales, yield water of good quality from a zone 200 to 400 feet in thickness and from maximum depths of 600 to 800 feet below the surface. Several municipalities, industries, and public institutions use the water.

Water-level measurements were made in 1941 in 129 wells, of which 38 are in Beaver County, 2 in Blaine County, 5 in Canadian County, 23 in Cimarron County, 2 in Cleveland County, 1 in Harper County, 14 in Payne County, 44 in Texas County, and 3 in Woodward County.

Most of the observation wells in the Panhandle (Beaver, Cimarron, and Texas Counties) were measured 4 times during the year, in January, March-April, June-July, and October-November, but 2 Beaver County wells were measured more frequently. The number of measurements in individual wells ranged from 1 to 9. The wells near Supply (Woodward County 3) and Laverne (Harper County 1) were measured 5 and 6 times, respectively, during the year. Observation wells along the North Canadian River were measured in January, March, May, July, August, September, October, and November. Cleveland County well 1 was measured at intervals ranging from 1 day to 3½ weeks, depending on the precipitation and the rate of change of the water level. Measurements were made in Cleveland County well 2 at intervals ranging from 1 to 2 weeks between February 8 and April 25, and approximately monthly thereafter. Water-level measurements in the observation wells of the Stillwater Creek Area (Payne County) were made monthly.

A total of 694 measurements was made in 1941, of which 143 were made in Beaver County, 16 in Blaine County, 26 in Canadian County, 80 in Cimarron County, 85 in Cleveland County, 6 in Harper County, 153 in Payne County, 162 in Texas County, and 23 in Woodward County. In addition to these periodic measurements, an automatic water-stage recorder of the float type was maintained on Beaver County well 528 from the beginning of the year through October 29, when it was removed. Weekly tape measurements were made in the well thereafter.

The ground-water investigation in Beaver County was continued in 1941 by a plane-table party that obtained elevations, in feet above sea level, of the measuring points at most of the wells included in the general well inventory of the county. Preparation of a report on the ground-water resources of Cimarron County was nearly completed in 1941, and an intensive investigation of the ground-water resources of the North Canadian River valley upstream from Oklahoma City was begun late in July.

WATER-LEVEL FLUCTUATIONS IN THE PANHANDLE

The average of the water levels in each of the counties in the Oklahoma Panhandle is weighted according to the relative areal importance of the aquifers represented by the observation wells. These aquifers are the Ogallala formation, which furnishes most of the ground water in the areas of upland plains; the alluvium, which furnishes water to wells along the main streams; and the Permian red beds, which furnish water where the other aquifers are impervious, thin, or absent. The Dakota sandstone apparently furnished water to a few wells in the western part of Cimarron County, and probably is represented by one or more of the observation wells, which are averaged with wells tapping water in the Ogallala formations.

The average for the Panhandle as a whole is the average of the weighted averages for the three counties. These counties are not equal in area, but the differences between them are small enough so that they can be neglected in averaging. Between late November 1940 and late January 1941, the average for the Panhandle declined somewhat, but subsequent measurements showed a steady rise, and the average for October 27-November 17, 1941, was 0.63 foot higher than the average for November 1940. It also was 0.54 foot higher than the highest average of a previous year, which had been recorded in May 1940.

In Beaver County, the weighted average of the water levels in all of the wells was 0.88 foot higher on October 27-28, 1941, than on November 21-22, 1940, chiefly because of large rises in wells tapping water in the alluvium. The average for such wells was 3.04 feet higher on October 27-28 than the highest of any previous year on record. Water levels in wells on the uplands of the northwestern part of the county, where the Ogallala is the principal aquifer, continued the upward trend that has been in progress, with only minor interruptions, since the beginning of the record, and on October 27-28, 1941, the average was 0.64 foot higher than the average for November 1940. In the southern and eastern parts of the county, where many wells tap water in the red beds, the average of the water levels was 0.31 foot higher on October 27 than it was late in November 1940, but was 0.20 foot below the record high level, which was recorded in September 1938.

Water levels in the observation wells in Cimarron County rose substantially in 1941. The weighted average for all the wells measured in the county was 0.85 foot higher in November 1941 than in November 1940, and 0.59 foot higher in November 1941 than in May 1940, the previous

record high level. As in the other Panhandle counties, the water levels in wells tapping the alluvium showed the greatest rise, the average for November being 3.04 feet higher than that for September 1938, when the highest level for a previous year was recorded, and 4.46 feet higher than the average of November 1940. The water levels in the wells on the upland flats, which tap water in the Ogallala formation and locally in the Dakota sandstone, averaged 0.45 foot higher in November 1941 than in November 1940, and 0.20 foot higher than the previous record high level of May 1940.

The ground-water levels showed less response to the heavy precipitation of 1941 in Texas County than in the other Panhandle counties. Since the beginning of the record, the average of the water levels has ranged through only 0.22 foot. The average for November 1941 was only 0.16 foot above that for November 1940, and only 0.09 foot above the record high level for a previous year, which had been reached in September 1939. As in the other counties, the greatest rise was recorded in wells tapping water in the alluvium, the average in November 1941 being 1.43 feet higher than the average in November 1940, but only 0.15 foot above the previous record high of May 1940. The average of water levels in wells tapping the Ogallala formation reached a new high level late in March 1941, but this was only 0.03 foot above the previous record high level. The average in November 1941 for this group of wells was only 0.09 foot higher than that in early December 1940. In the one red bed well that is measured in Texas County, the water level of November 1941 was 0.03 foot higher than the level recorded December 5, 1940, but 0.19 foot below the highest level for the well.

The following tables present average water levels, in feet above datum planes, for groups of wells in each county, weighted averages for each county, and averages for the Panhandle as a whole in 1941. These averages are the continuation of those given in similar tables in Water-Supply Paper 909, and were used in the preparation of the accompanying hydrographs.

Average water levels in groups of wells in the Oklahoma Panhandle, in feet above datum planes, 1941

Date	Beaver County			Texas County			Cimarron County	
	1	2	3	4	5	6	7	8
Jan.	100.44	99.48	99.98	100.07	99.88	99.87	100.08	99.28
Mar.	100.78	99.61	100.24	100.13	99.82	100.09	100.23	99.31
June	100.95	99.56	101.97	100.05	99.80	100.54	100.36	101.08
Oct.-Nov.	101.29	99.93	103.57	100.11	99.85	100.97	100.56	103.47

(1) Wells in northwestern part of Beaver County, tapping water in Ogallala formation.

(2) Wells in southeastern part of Beaver County, tapping water principally in 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 Triassic or Permian red beds.

(6) Wells tapping water in alluvium.

(7) Wells on uplands, tapping water in the Ogallala formation and locally in the Dakota sandstone.

(8) Wells tapping water in alluvium.

Weighted average water levels in wells in Beaver, Cimarron, and Texas Counties, in feet above datum planes, 1941

Date	Beaver[a]	Texas[b]	Cimarron[c]	Panhandle[d]
Jan.	100.15	100.06	100.00	100.07
Mar.	100.43	100.12	100.14	100.23
June	100.70	100.07	100.43	100.40
Oct.-Nov.	101.18	100.15	100.85	100.73

WATER-LEVEL FLUCTUATIONS IN THE STILLWATER CREEK BASIN

Previously, the "average water level" for the Stillwater Creek Basin has been obtained from the records of wells 1-4, 7-9, 11-13, 15, and 17, but in the last year or two measurements in well 8 have been discontinued because the well is in use and any water level obtained in it is likely to be drawn down a variable distance below the normal water table; well 9 is used occasionally, and well 11 has been dry frequently.

a Weighted average in which wells in northwestern part of county represent 65 percent of the total area; wells in southeastern part, 25 percent; and wells in alluvium, 10 percent.

b Weighted average: Upland wells in the Ogallala formation, 93 percent; alluvium, 5 percent; red beds (Permian to Jurassic ?), 2 percent.

c Weighted average: Upland wells in Ogallala and Dakota, 90 percent; alluvium wells, 10 percent.

d Average of figures in first 3 columns.

At times the irregularities due to the omission or inclusion of one or more of these wells have been considerable, and the original group is therefore no longer fully satisfactory. A comparison of the averages obtained with and without these 3 wells showed that omission of them would have relatively little effect on the hydrograph for 1941, however, and they have therefore been omitted.

The average of the water levels in the 9 reliable wells was 6.6 feet higher on December 31, 1941, than on December 28, 1940. The lowest water levels for the year were recorded on January 27-28, when the average was 7.56 feet above the datum planes. A new record high level was set May 29-31, only to be broken on November 2-3, when the average was 15.49 feet above the datum planes.

During the period of record, beginning in 1934, the water levels in the wells in the Stillwater Creek Basin have responded rather promptly to precipitation, generally showing significant rises after rains. This effect is illustrated by figure 4, in which a hydrograph showing the average of the water levels is compared with the cumulative departure from normal precipitation. The departure is computed beginning with the year 1931, which was about the beginning of a succession of dry years. Although much of the accumulated deficiency in precipitation remained at the end of 1941, the ground water reached new high levels. This fact suggests that under drought conditions the water table declines rather rapidly at first, but reaches a level below which it declines only very slowly (unless affected by pumping), even though the drought is long continued. The accumulated deficiency in precipitation need not be entirely made up before the water table rises to high levels.

WATER-LEVEL FLUCTUATIONS IN CLEVELAND COUNTY

The water-level measurements in Cleveland County have shown clearly the effects of the heavy precipitation of 1941, but the 2 wells have responded quite differently. Well 1 is on a terrace about 50 feet above the Canadian River bottoms, and is about 24.5 feet deep. During 1941 the water level varied through a vertical range of 11.76 feet and showed large and rapid rises following many of the snows and heavy rains beginning late in February. It reached a peak level only about 1 foot below the land surface on June 7. To determine whether surface water was entering the

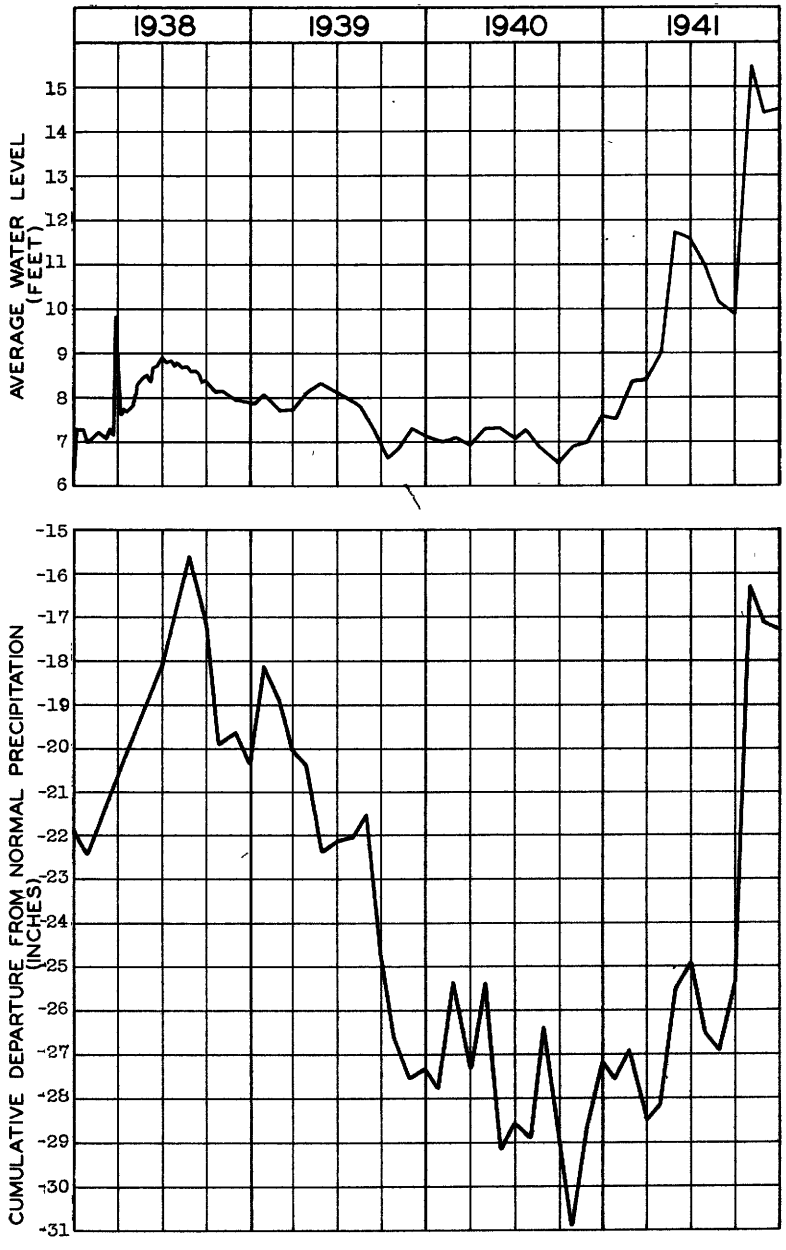

Figure 4.--Graphs showing average of the water levels in observation wells in Stillwater Creek Basin, 1938-41, and cumulative departure from normal precipitation at Stillwater, Okla., since 1931.

well to cause the exceptionally high levels, a 2-inch auger hole was bored about 8.6 feet from the well. This penetrated wet sandy clay from the surface to a depth of 6.2 feet, at which point water first stood in the well. The sandy clay continued to a depth of 11.5 feet, where a hard material was encountered which could not be picked up in the auger and which was probably the shale bed rock. During the boring of the last 3 or 4 feet, the water rose rapidly, and after 24 hours it stood at a level closely comparable to the water level in the observation well. The water level in this test hole closely paralleled the water level in the observation well for more than a month (fig. 5), and it is therefore probable that the water level in the latter was fairly representative of the water table at that locality, even at exceptionally high stages. The water level in the observation well declined from June until October, and then rose sharply in response to the extremely heavy October precipitation, reaching a level nearly equal to the record for June. On December 6, 1941, the water level stood 8.87 feet above the level of December 7, 1940.

Well 2, which is 267 feet deep, taps artesian water in the so-called Garber sandstones at a point a little over a mile from the outcrop of the top of the sandstones. The water level in this well showed no significant fluctuation until about the middle of April, when it began to rise slowly from a level about 167 feet below the land surface. This rise continued into July and was followed by a slight decline that lasted until late August. The first measurement in September showed a sharp rise of about 6.9 feet, and was followed by a gradual rise that lasted into December. The record of this well, although short, indicates that a lag of several weeks occurs before precipitation on the outcrop of the sands affects the water level in the well. The net rise in the water level in this well between March 9, 1941, the date of the lowest level, and December 6, 1941, was 10.94 feet.

WATER-LEVEL FLUCTUATIONS ALONG THE NORTH CANADIAN RIVER

Water levels in the observation wells along the North Canadian River fluctuated widely in 1941, partly because of the heavy precipitation and partly because of floods in the river. On several occasions the measurements were made near the crest of a flood, and water levels in the wells were correspondingly high. As only an automatic water-stage recorder could

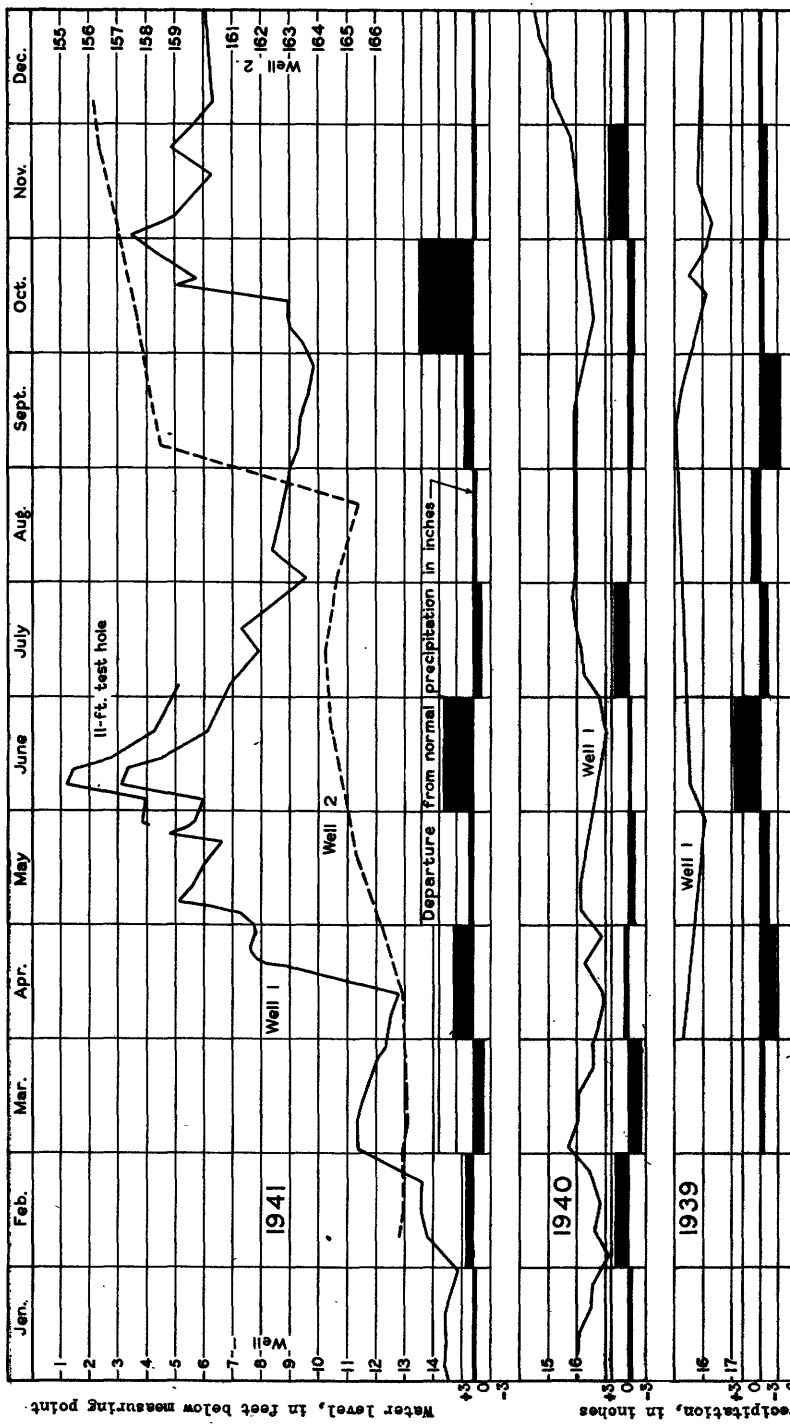

Figure 5.--Hydrographs showing water levels in Cleveland County wells and in 11-foot test hole near well 1, and average departure from normal monthly precipitation, in inches, at Oklahoma City and Norman, Okla., 1939-41.

have recorded all of the fluctuations of water level in the wells close to the river bank, it is apparent that the record is very incomplete, but it does suggest the amplitude of the fluctuations.

The record made by the automatic water-stage recorder on Beaver County well 528, which is about 1,700 feet from the channel, showed a slow, steady rise of about 0.25 foot per month between January 1 and May 4, when effects of heavy rains and high floods in the river began to appear. New peak levels were reached in May, June, and July--15.30 feet below the measuring point on May 24, 15.25 feet on June 3, and 12.11 feet on July 6. Thereafter the water level declined rather steadily until about September 20, when some small rises occurred. The October rains sent the water level up again, and on October 31 it nearly equaled the record of July 6. From this peak the water level declined, and on December 26 it stood 14.68 feet below the measuring point--a level 5.29 feet higher than the stage at the beginning of the year.

The average water levels, in feet above datum planes, for the observation wells in the alluvium along the river, are given in the table below. The averages were obtained from all the measurements available for any given date, and are not strictly comparable because the same wells could not always be measured. At times it was impracticable to measure the more distant wells in the Panhandle, some wells were washed out late in the year, and at times some were inaccessible because of flooding. It is estimated that, on the average, the water levels in wells within a quarter of a mile of the river rose about 4 feet between November 1940 and November 1941.

Average water level, in feet above datum planes, in wells in alluvium along North Canadian River, 1941

Date	Water level	Stretch of river covered
January 23-30	100.30	Boise City to Yukon
March 29-April 3	100.99	do
May 28	104.46	Guymon to El Reno
June 26	101.47	Boise City to W. line, Harper Co.
July 27	103.35	Beaver to Yukon
August 21	102.33	do
September 29	103.70	do
October 26-30	105.80	Beaver to El Reno
November 13-14	102.30	Boise City to Beaver
November 28	104.06	Beaver to Yukon

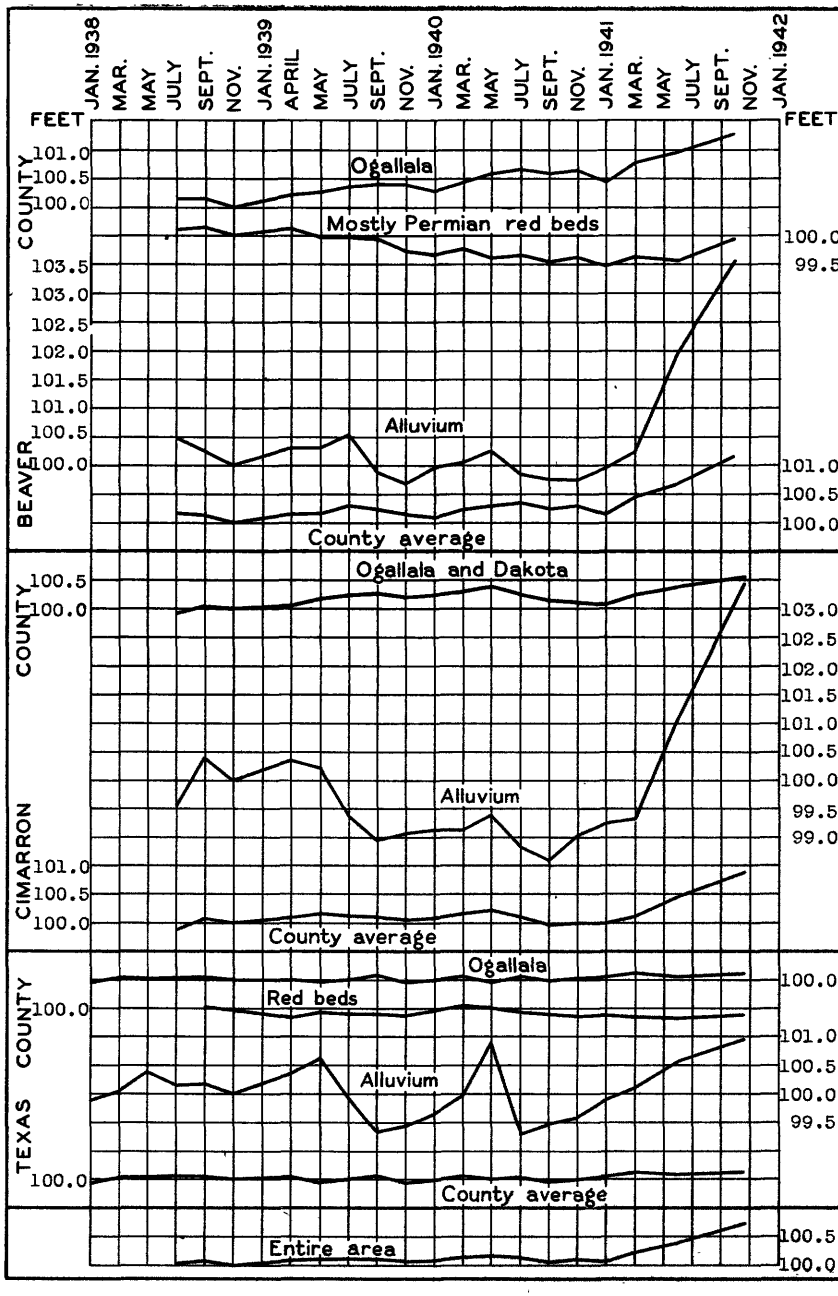

Figure 6.--Hydrographs showing average of water levels in wells in the Oklahoma Panhandle, 1938-41.

PRECIPITATION

The precipitation in Oklahoma in 1941 was more than 14 inches above the 50-year average for the State. Only in 1908 was the precipitation greater.[1] March was the driest month, when the precipitation was more than an inch below the average for that month. In October, which was the wettest month, the State received 8.41 inches more than the average.[2]

The precipitation at 6 stations in the Panhandle in 1941 ranged from 25.68 inches at Guymon, to 36.56 inches at Kenton, and averaged 31.86 inches. This was about 15 inches above the normal annual precipitation in the area. Departures at individual stations ranged from 8.83 inches above normal at Goodwell to 19.93 inches above normal at Boise City.

For the same period the precipitation at 8 stations along the North Canadian Valley from Oklahoma City to Supply, ranged from 35.35 inches at Supply to 55.10 inches at Mutual. The annual departures at six of these stations ranged from 6.88 inches above the normal at Ft. Reno, to 31.24 inches above the normal at Mutual, and averaged about 15.5 inches above normal.

In Cleveland County observation well 1 is about half way between Oklahoma City and Norman, but well 2 is closer to Norman than to Oklahoma City. In 1941 the average of the precipitation at these two cities was about 49 inches, which was about 17 inches above the normal.

The precipitation at Stillwater in 1941 was 43.68 inches, which is 9.85 inches above normal.

WATER-LEVEL RECORDS

The records of water-level measurements on the following pages are listed alphabetically by counties and in numerical order within the counties. References to the original descriptions of the wells and bench marks are given for each county. Changes in measuring points have been noted in the water-level summaries for the year in which they occurred, but may be ignored unless the reader wishes to make field measurements of his own. The water levels as reported have all been referred to the original measuring point, so that the record is continuous.

1/ Daily Oklahoman (Oklahoma City), January 11, 1942.
2/ Monthly departures, from monthly summaries by U. S. Weather Bureau.

Beaver County

Well 612 is described for the first time on a following page. The original descriptions for all other Beaver County observation wells appeared in Water-Supply Paper 845, and all bench marks at wells were described in Water-Supply Paper 886 with the exception of the bench mark for well 528, which is described in this report.

Observation-well measurements have been discontinued as follows: In 1939 (Water-Supply Paper 886), well 521; in 1940 (Water-Supply Paper 909), wells 61, 461, 525, and 766; in 1941 (this paper), wells 81, 256, 416, 431, 446, 578, 611, and 618.

Significant rises of water level occurred in 1941 in the following wells: No. 432, which is in a shallow draw that carries water only after heavy rains; Nos. 528 and 573, which tap water in the alluvium along the North Canadian (Beaver) River; No. 523, which taps water in the alluvium along Clear Creek, a tributary of the North Canadian River; Nos. 648 and 649, which are shallow wells beside an ephemeral creek in the lowland southeast of Forgan; No. 777, which is a shallow well in a broad lowland northeast of Forgan; and No. 613, which is in a lowland west of Forgan and taps water in the Ogallala formation.

Well 767 is especially noteworthy because of a persistent rise of water level that has been in progress, with only minor interruptions, since November 1938. The total rise in this well since that time has been 5.44 feet; the rise in the past year was 2.71 feet. The well is on the upland north of Forgan, and the rise of water level may indicate that recharge occurs through an area of rather obscure dunes that lie to the west.

On the other hand, the water level in well 464 has declined persistently, and on October 28, 1941, it was 2.64 feet lower than when measurements were begun on August 5, 1938.

62. Ray D. Hall. SE¼NE¼SE¼ sec. 14, T. 1 N., R. 23 E. Water levels, in feet below measuring point, 1941: Jan. 27, 162.65; Mar. 30, a/162.34; July 1, b/162.63.

81. L. T. Adelman. SW¼SE¼SW¼ sec. 7, T. 1 N., R. 24 E.—Well destroyed. Measurements discontinued.

256. Measurements discontinued.

258. Frank S. Flynn. NW¼SW¼SW¼ sec. 31, T. 2 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 51.07; Mar. 30, 50.89; July 1, 50.89; Oct. 28, 50.20.

a Last pumped 5½ hours prior to measurement.
b Last pumped 14 hours prior to measurement.

Beaver County--Continued.

401. T. T. Yarnold. NE¼NE¼SE¼ sec. 7, T. 3 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 93.89; Mar. 30, 93.72; July 1, 94.00; Oct. 28, 93.80.

416. Otto Barby et al. SE¼SE¼NE¼ sec. 1, T. 3 N., R. 25 E. Measurements discontinued after Mar. 30, 1941, because well was destroyed. Water levels, in feet below measuring point, 1941: Jan. 28, 121.11; Mar. 30, 121.07.

417. Ralph Ridgeway. SW¼NE¼ sec. 11, T. 3 N., R. 25 E. Water levels, in feet below measuring point, 1941: Jan. 28, 13.59; Mar. 30, 13.45.

418. Nile J. Mosburg. SE¼SW¼SW¼ sec. 12, T. 3 N., R. 25 E. Water levels, in feet below measuring point, 1941: Jan. 28, 65.52; Mar. 30, 65.37; July 1, 65.45; Oct. 28, 64.83.

431. State of Oklahoma. SW¼SE¼SE¼ sec. 8, T. 3 N., R. 26 E. Measurements discontinued after Mar. 30, 1941, because well was destroyed. Water levels, in feet below measuring point, 1941: Jan. 28, 73.49; Mar. 30, 73.29.

432. George H. Button. NW¼NE¼NE¼ sec. 10, T. 3 N., R. 26 E. Water levels, in feet below measuring point, 1941: Jan. 28, 30.70; Mar. 30, 30.77; July 1, 29.48; Oct. 28, 28.28.

433. Federal Land Bank. NE¼NW¼NW¼ sec. 12, T. 3 N., R. 26 E. Water levels, in feet below measuring point, 1941: Jan. 28, 41.50; Mar. 30, 41.43; July 1, 41.38; Oct. 28, 41.18.

434. J. W. Hibbs et al. SW¼NW¼NW¼ sec. 15, T. 3 N., R. 26 E. Water levels, in feet below measuring point, 1941: Jan. 28, 117.08; Mar. 30, 116.57; July 1, 117.08; Oct. 28, 117.03.

446. Hib Richard. NW¼NE¼NW¼ sec. 15, T. 3 N., R. 27 E. Measurements discontinued after July 1, because well was destroyed. Water levels, in feet below measuring point, 1941: Jan. 28, 25.35; Mar. 30, 25.40; July 1, 25.19.

462. C. G. and W. A. Sawin. SW¼SW¼NW¼ sec. 3, T. 3 N., R. 28 E. Water levels, in feet below measuring point, 1941: Jan. 28, 41.02; Mar. 30, 41.08; July 1, 40.84; Oct. 28, 40.40.

464. N. W. Johnson. NE¼NE¼NE¼ sec. 9, T. 3 N., R. 28 E. Water levels, in feet below measuring point, 1941: Jan. 28, 114.67; Mar. 30, 114.66; July 1, 115.19; Oct. 28, 115.20.

518. Pete Sanders Estate. NE¼SE¼SE¼ sec. 36, T. 4 N., R. 23 E. Water level, in feet below measuring point, 1941: Jan. 27, 39.85.

523. Frances M. Hancock. SW¼SW¼SW¼ sec. 24, T. 4 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 28, 23.92; March Mar. 30, 23.47; July 1, 22.27; Oct. 28, 22.01.

526. Elmer E. Thompson. SW¼SE¼SW¼, sec. 30, T. 4 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 40.87; Mar. 30, 47.48; July 1, 47.72; Oct. 28, 47.10.

527. Mrs. Ellen F. Williams. SW¼NW¼NW¼ sec. 30, T. 4 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 47.73; Mar. 30, 47.48; July 1, 47.72; Oct. 28, 47.10.

528. Oklahoma Electric & Water Co. NE¼SW¼ sec. 7, T. 4 N., R. 24 E. Recorder removed Oct. 29, 1941; weekly measurements thereafter. New measuring point, established Oct. 31, 1941, is strap iron screwed to top of 2 by 6-inch vertical plank on inside of south side of opening under trap door, 0.14 foot above bench mark, which is cross chiseled in concrete at the top of the well, about 10 feet east of the measuring point; and 3.26 feet lower than original measuring point.

Beaver County--Continued.

528. Oklahoma Electric & Water Co.--Continued.

Lowest daily water level, in feet below original measuring point, on selected dates in 1941 (from recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.97	Apr. 16	19.16	July 5	15.83	Oct. 5 a	16.54
8	19.92	23	19.13	6 a	12.11	12	16.59
15	19.87	30	19.08	13	13.75	18	16.69
22	19.81	May 7	18.70	20	14.50	24 a	12.60
29	19.76	14	18.50	27	15.13	28	12.90
Feb. 5	19.70	22	18.55	Aug. 3	15.67	31 b	12.28
12	19.62	24 a	15.30	10	16.08	Nov. 7 b	13.76
19	19.57	June 2	16.41	17	16.38	14 b	13.95
26	19.53	3 a	15.25	24	16.62	21 b	14.20
Mar. 5	19.47	4	15.45	31	16.80	28 b	14.36
12	19.42	9	15.76	Sept. 7	17.03	Dec. 5 b	14.49
19	19.35	10 a	15.10	14	17.26	12 b	14.57
27	19.30	17	15.66	20	17.39	19 b	14.61
Apr. 2	19.24	27	16.24	27 a	17.16	26 b	14.68
9	19.19	29 a	15.29	28	17.20		

573. Federal Land Bank (Wichita). NW¼NW¼NW¼ sec. 34, T. 4 N., R. 28 E.

Water level, in feet below measuring point, 1941

Jan. 28	16.32	July 1	14.75	Aug. 21	15.65	Nov. 28	14.43
Mar. 30	16.00	27	14.96	Oct. 28	15.11		

576. J. C. Peters. SE¼SE¼SW¼ sec. 2, T. 5 N., R. 20 E. Water levels, in feet below measuring point, 1941: Jan. 27, 160.46; Mar. 31, 159.98; Oct. 29, 159.83.

577. George Loepp (formerly W. A. Naylor). NE¼NE¼SE¼ sec. 19, T. 5 N., R. 20 E. Water levels, in feet below measuring point, 1941: Jan. 27, 141.15; Mar. 31, 140.99; June 30, 140.88; Oct. 29, c/140.74.

578. J. M. Cleek. NW¼NW¼NE¼ sec. 34, T. 5 N., R. 20 E. Measurements discontinued after Mar. 31, 1941, because well was destroyed. Water levels, in feet below measuring point, 1941: Jan. 27, 141.37; Mar. 31, 141.14.

591. A. J. Isaac. SE¼SE¼SE¼ sec. 12, T. 5 N., R. 21 E. Water levels, in feet below measuring point, 1941: Jan. 27, 193.19; Mar. 31, 192.67; June 30, 192.73; Oct. 29, 192.72.

593. Ada Allred. SE¼SE¼SE¼ sec. 17, T. 5 N., R. 21 E. Water levels, in feet below measuring point, 1941: Jan. 27, 172.38; Mar. 31, 172.16; June 30, 172.23; Oct. 29, 172.25.

611. Measurements discontinued.

612. Clarence Lamaster. SW¼SE¼ sec. 26, T. 4 N., R. 28 E. On flood plain of North Canadian (Beaver) River. Irrigation well, diameter 15 inches, depth 35 feet. Aquifer, Alluvium. Measuring point, southwest corner of large opening in base of pump, behind discharge pipe, 1 foot above land surface. Water levels, in feet below measuring point, 1941: July 27, 10.30; Nov. 28, 8.65.

a Highest daily water level from recorder charts.
b Weekly tape measurement after removal of recorder.
c Water in nearby lake.

Beaver County--Continued.

613. T. J. Trew. SE¼SE¼SE¼ Sec. 13, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1941: Jan. 27, 67.10; Mar. 31, 66.33; June 30, 66.29; Oct. 28, 66.06.

614. Mrs. B. W. Lewis. SW¼SE¼SE¼ sec. 14, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1941: Jan. 27, 91.71; Mar. 31, a/91.51; Oct. 28, a/91.27.

616. Walter C. Fincher. SE¼SE¼SE¼ sec. 16, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1941: Jan. 27, 159.04; Mar. 31, 158.46; June 30, 158.62; Oct. 29, 158.69.

617. Minnie B. Dorman et al. SW¼NE¼NE¼ sec. 20, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1941: Jan. 27, 169.96; Mar. 31, 169.39; June 30, 169.35; Oct. 29, 169.35.

618. Measurements discontinued.

619. Bank of Idana, Kansas. SE¼SE¼SE¼ sec. 23, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1941: Jan. 27, 80.81; Mar. 31, 80.94; June 30, 80.84; Oct. 28, 80.74.

631. George W. Dubois. SE¼SE¼SW¼ sec. 4, T. 5 N., R. 23 E. Water levels, in feet below measuring point, 1941: Jan. 27, 112.79; Mar. 30, 112.37; June 30, 112.35; Oct. 28, 112.29.

635. A. E. Shillingburg. NW¼NE¼NW¼ sec. 25, T. 5 N., R. 23 E. Water levels, in feet below measuring point, 1941: Jan. 27, 62.73; Mar. 30, 62.66; July 1, 62.50; Oct. 28, 61.94.

636. Central Life Assurance Society. NE¼NE¼NE¼ sec. 18, T. 5 N., R. 23 E. Water levels, in feet below measuring point, 1941: Jan. 27, 112.12; Mar. 30, 112.19; June 30, 112.14; Oct. 28, 111.75.

647. Gilbert Hodges. SW¼SW¼SW¼ sec. 8, T. 5 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 53.09; Mar. 30, 52.95; June 30, 52.92; Oct. 28, 52.70.

648. John Angleton. SW¼SW¼SW¼ sec. 19, T. 5 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 8.14; Mar. 30, 7.99; July 1, 5.50; Oct. 28, 3.67.

649. Arthur Williams. NW¼SW¼SW¼ sec. 30, T. 5 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 10.22; Mar. 30, 9.83; July 1, 8.20; Oct. 28, 6.27.

767. Robert F. LeCrone. SE¼NE¼NE¼ sec. 24, T. 6 N., R. 23 E. Water levels, in feet below measuring point, 1941: Jan. 27, 75.73; Mar. 30, 74.54; June 30, 74.71; Oct. 28, 72.84.

777. J. H. Neese. NW¼SW¼SE¼ sec. 20, T. 6 N., R. 24 E. Water levels, in feet below measuring point, 1941: Jan. 27, 31.12; Mar. 30, 31.09; June 30, 28.58; Oct. 28, 26.55.

Blaine County

The original descriptions of the observation wells in Blaine County and of the bench marks for them appeared in Water-Supply Paper 909. No observation wells were added in the county in 1941, and none was discontinued.

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a Last pumped 12 hours or more prior to measurement.

Blaine County--Continued.

1. Oklahoma City Water Department. NE¼ sec. 27, T. 16 N., R. 12 W.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.36	May 28	3.82	Aug. 21	7.60	Oct. 30	2.86
Mar. 29	7.50	July 27	6.80	Sept. 29	6.25	Nov. 28	5.62

2. Oklahoma City Water Department. Near NE cor. sec. 9, T. 18 N., R. 13 W.

Water level, in feet below measuring point, 1941

Jan. 30	8.40	May 29	4.61	Aug. 21	8.08	Oct. 27	1.01
Mar. 29	7.69	July 27	7.03	Sept. 29	5.87	Nov. 28	6.54

Canadian County

The original descriptions of the observation wells and of the bench marks for them in Canadian County appeared in Water-Supply Paper 909, with the exception of well 5, which is described below for the first time. After the March measurement well 4 disappeared, probably having been pulled out. Well 3 was washed out by a flood late in October. It is expected that these 2 wells will be replaced by new wells at approximately the same sites.

1. Oklahoma City Water Department. SW¼SW¼ sec. 4, T. 12 N., R. 5 W.

Water level, in feet below measuring point, 1941

Jan. 30	8.53	July 27	5.30	Sept. 29	3.16	Nov. 28	4.35
Mar. 29	6.53	Aug. 21	5.84	Oct. 3	3.29		

2. Oklahoma City Water Department. NW¼ sec. 33, T. 13 N., R. 7 W.

Water level, in feet below measuring point, 1941

Jan. 30	(a)	May 28	7.53	Aug. 21	10.88	Oct. 3	11.06
Mar. 29	(a)	July 27	10.54	Sept. 29	10.89	26	7.03
						Nov. 28	8.34

3. Oklahoma City Water Department. SW¼SW¼ sec. 1, T. 13 N., R. 9 W. Well destroyed by October flood.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 30	9.20	May 28	2.24	Aug. 21	8.28
Mar. 29	8.12	July 27	7.55	Sept. 29	6.50

a Dry at 17.2 feet.

Canadian County--Continued.

4. Oklahoma City Water Department. NW¼NW¼ sec. 16, T. 14 N., R. 10 W. Water levels, in feet below measuring point, 1941: Jan. 30, 8.82; Mar. 29, 7.99.

5. Owner unknown. NE¼NE¼ sec. 12, T. 13 N., R. 10 W. On terrace in North Canadian River valley, about 1.35 miles southwest of channel. Unused drilled well, diameter 6 inches, depth 34 feet. Measuring point top of west edge of casing, 1.3 feet above land surface. Water levels, in feet below measuring point, 1941: Oct. 3, 23.52; Nov. 28, 22.72.

Cimarron County

The original descriptions for most of the observation wells in Cimarron County appeared in Water-Supply Paper 845. Wells 129, 219, 237, 275, 596, and 528 were added in 1939 and were first described in Water-Supply Paper 886. Wells 66 and 436 were redescribed in this same paper because significant changes had been made at the wells. Well 500 was first described in Water-Supply Paper 909. Bench marks have been established close to most of the wells, and are described in Water-Supply Paper 886, except the one for well 500, which is described in Water-Supply Paper 909.

Observation-well measurements have been discontinued as follows: In 1940 (Water-Supply Paper 909), wells 219, 274, 309, and 384; in 1941 (this paper), wells 282, 328, and 398.

Significant rises of water levels occurred in 1941, as follows: A rise of 3.35 feet in well 148, which is on the flood plain of the North Canadian River but back from the channel; 0.68 foot in well 237, and 2.58 feet in well 313, both of which are close to ephemeral ponds; and 0.63 foot in well 436, which is an upland well and apparently taps water only in the red beds underlying the Ogallala. Also significant is the fact that the water level in this well has risen 2.58 feet since January 23, 1940.

On the other hand, the water level in well 223, which is on the upland near Mexhoma, declined 4.65 feet between January 23 and November 16. This is much the largest fluctuation that has been recorded for the well since measurements were begun in July 1938. As the well was reported to have been out of repair and not pumped beginning about July 1, the decline was apparently not due to pumping. The November water level in this well was not used in computing the average for the county.

Cimarron County--Continued.

66. C. K. Womack. NW¼SE¼SE¼ sec. 34, T. 1 N., R. 5 E. Water levels, in feet below measuring point, 1941: Jan. 23, 83.90; Apr. 3, 83.87; June 26, 83.74; Nov. 15, 83.50.

129. George Camilli. NE¼NE¼SE¼ sec. 2, T. 2 N., R. 2 E. Water levels, in feet below measuring point, 1941: Jan. 23, 169.84; Apr. 2, 169.75; June 25, 169.63; Nov. 16, 169.55.

148. T. A. Peters. SE¼SE¼SW¼ sec. 5, T. 2 N., R. 5 E. Water levels, in feet below measuring point, 1941: Jan. 23, 25.68; Apr. 3, 25.78; June 26, 23.31; Nov. 15, 22.34.

153. Edmund B. Rogers. SE¼SE¼SE¼ sec. 32, T. 2 N., R. 5 E. Water level, in feet below measuring point, 1941: Jan. 23, 97.34.

223. E. C. Jones. SE¼NE¼NE¼ sec. 19, T. 3 N., R. 1 E. Water levels, in feet below measuring point, 1941: Jan. 23, 142.08; Nov. 16, a/146.73.

224. Walter R. Wood. NE¼SE¼SE¼ sec. 15, T. 3 N., R. 1 E. Water levels, in feet below measuring point, 1941: Jan. 23, 140.12; Apr. 2, 139.87; June 25, 139.85; Nov. 16, 139.49.

237. Central Life Assurance Society. NE¼NE¼NE¼ sec. 36, T. 3 N., R. 1 E. Water levels, in feet below measuring point, 1941: Jan. 23, 66.72; Apr. 2, 66.63; June 25, 66.33; Nov. 16, 65.92.

240. No measurements made in 1941.

262. W. H. and Z. B. Stone. SE¼SE¼SW¼ sec. 12, T. 3 N., R. 4 E. Water level, in feet below measuring point, 1941: Nov. 16, 181.89.

263. John Ohnick, Jr. SE¼SW¼SW¼ sec. 15, T. 3 N., R. 4 E. Water levels, in feet below measuring point, 1941: Jan. 23, 128.72; Apr. 2, 128.62; June 25, 128.59; Nov. 16, 128.55.

275. O. A. Showalter. SW¼NW¼NW¼ sec. 11, T. 3 N., R. 5 E. Air-lift well for nearby swimming pool not used in 1941. Water levels, in feet below measuring point, 1941: Jan. 23, b/146.48; Apr. 2, c/146.48; June 26, b/146.51; Nov. 15, b/146.46.

276. Atchison, Topeka, and Santa Fe Railroad. NW¼SW¼ sec. 14, T. 3 N., R. 5 E. Water levels, in feet below measuring point, 1941: Jan. 23, 133.89; Apr. 2, 133.88; June 26, 133.86; Nov. 16, 133.73.

282. Minnie Cook. NE¼NW¼NW¼ sec. 20, T. 3 N., R. 5 E. Measurements discontinued after June 26, 1941. Water levels, in feet below measuring point, 1941: Jan. 23, 159.91; Apr. 3, 159.86; June 26, 159.79.

313. E. J. Behrendt. NW¼NW¼NW¼ sec. 9, T. 3 N., R. 7 E. Water levels, in feet below measuring point, 1941: Jan. 23, d/47.46; Apr. 2, d/47.35; June 26, 46.25; Nov. 15, d/44.76.

328. Measurements discontinued.

338. Federal Land Bank. SW¼SE¼NE¼ sec. 14, T. 3 N., R. 9 E. Water levels, in feet below measuring point, 1941: Jan. 24, 183.41; Apr. 2, 182.88; June 26, 183.37; Nov. 15, 183.50.

387. F. M. Tudor. SE¼SW¼SE¼ sec. 28, T. 4 N., R. 5 E. Water levels, in feet below measuring point, 1941: Jan. 23, 169.99; Apr. 2, 169.87; June 26, 169.85; Nov. 15, 169.74.

398. Measurements discontinued.

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a Not pumped since July 1.
b Nearby windmill last pumped 12 hours or more prior to measurement.
c Nearby windmill last pumped ½ hour prior to measurement.
d Adjacent lake dry.

Cimarron County--Continued.

415. A. E. Buck. NW¼SW¼ sec. 23, T. 4 N., R. 7 E. Willowbar Lake was very low in June, and was dry through the rest of the year. Water levels, in feet below measuring point, 1941: Jan. 23, 75.94; Apr. 2, 76.02; June 26, 75.69; Nov. 15, 75.59.

418. T. F. Phillips. NW¼NW¼NW¼ sec. 29, T. 4 N., R. 7 E. Water level, in feet below measuring point, 1941: Jan. 23, 112.55.

435. B. J. Wiggins, SW¼SW¼SW¼ sec. 26, T. 4 N., R. 8 E. Water levels, in feet below measuring point, 1941: Jan. 24, 138.21; Apr. 2, 137.78; June 26, 137.70; Nov. 15, 137.91.

436. Mrs. S. C. Cantrell. NE¼NE¼NE¼ sec. 32, T. 4 N., R. 8 E. Water levels, in feet below measuring point, 1941: Jan. 24, 151.73; Apr. 2, 151.52; June 26, 151.40; Nov. 15, 151.18.

500. Dan Eiland, Sr. SE¼ sec. 12, T. 5 N., R. 4 E. Water levels in feet below measuring point, 1941: Jan. 23, 8.55; Apr. 2, 8.47; June 26, 6.10; Nov. 15, 0.99.

516. State of Oklahoma. SE¼ sec. 34, T. 5 N., R. 5 E. Water levels, in feet below measuring point, 1941: Jan. 23, 8.90; Apr. 2, 8.42; June 26, 7.22; Nov. 15, 7.52.

528. Alliance Insurance Company. NW¼ sec. 4, T. 5 N., R. 7 E. Water levels, in feet below measuring point, 1941: Jan. 30, 20.05; Apr. 2, 19.95; June 26, 19.49; Nov. 15, 18.39.

610. A. S. Parker (formerly Mrs. L. K. Bangerter). SW¼NE¼NE¼ sec. 21, T. 6 N., R. 5 E. Water levels, in feet below measuring point, 1941: Jan. 23, 33.60; Apr. 2, 35.14; June 26, 33.65; Nov. 15, 30.63.

Cleveland County

The original description for Cleveland County well 1 appeared in Water-Supply Paper 886. Well 2 is described below. Bench marks have not been set.

1. Mrs. Elizabeth E. Taylor (formerly B. B. Leverich). NW¼SW¼ sec. 28, T. 10 N., R. 3 W.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	14.40	Apr. 22	7.76	May 28	5.66	Sept. 13	9.33
10	14.48	23	7.68	June 3	5.94	20	9.67
18	14.40	24	7.61	7	3.11	27	9.80
30	14.87	25	7.63	11	3.32	Oct. 3	9.45
Feb. 8	13.81	28	7.82	14	4.55	7	9.02
15	13.55	30	7.76	21	6.14	10	8.95
22	13.57	May 3	7.30	July 3	6.88	14	8.97
Mar. 1	11.36	5	6.35	12	7.96	18	5.06
8	11.29	6	5.14	18	7.30	20	5.75
15	11.58	7	5.20	27	a 16.75	27	4.50
26	12.11	8	5.36	Aug. 1	9.57	Nov. 1	3.50
29	12.32	10	5.62	8	8.41	6	5.00
Apr. 6	12.48	17	6.08	16	8.65	17	6.25
12	12.73	23	6.64	21	8.73	25	4.89
19	9.04	25	4.83	Sept. 2	9.09	28	5.43
20	8.12	27	5.46	6	9.30	Dec. 6	6.29
21	7.86						

a Well being pumped.

Cleveland County--Continued.

2. Boggs. NE¼NE¼SE¼ sec. 16, T. 9 N., R. 2 W. Unused drilled well, diameter 8 inches, depth 267 feet. Measuring point, high point on northeast edge of casing, level with land surface. Probable aquifer, so-called Garber sandstone.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	166.79	Apr. 12	166.93	July 12	164.25	Sept. 20	158.15
15	166.98	25	166.41	Aug. 2	164.65	27	157.98
Mar. 1	166.95	May 17	165.38	21	165.40	Oct. 11	157.68
9	167.11	June 14	164.67	Sept. 6	158.52	Nov. 25	156.37
15	167.05	21	164.45	13	158.28	Dec. 6	156.17

Harper County

Harper County well 1 was described in Water-Supply Paper 909. No bench mark has been set for it.

1. E. W. Johnson. NW¼NW¼NW¼ sec. 18, T. 26 N., R. 25 W.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 28	4.92	July 1	a 0.86	Oct. 27	a 3.13
Mar. 30	3.25	27	a .48	Nov. 28	a 2.84

Major County

The original description of well 1 in Major County and of the bench mark for it appeared in Water-Supply Paper 909.

1. Oklahoma City Water Department. NW¼NW¼ sec. 28, T. 20 N., R. 16 W. No measurements made in 1941.

STILLWATER CREEK AREA OF SOIL CONSERVATION SERVICE

Payne County

On January 27 or 28, 1941, the depths to the water levels in the several wells for which records are given in the following table, in feet below the measuring points, were as follows: No. 1, 7.04; No. 2, 7.47; No. 3, 14.95; No. 4, 25.45; No. 5, 18.83; No. 7, 26.66; No. 8, 45.43; No. 9, 25.14; No. 11, dry; No. 12, 36.46; No. 13, 30.07; No. 15, 41.72; No. 16, 24.66; No. 17, 9.96.

A description of the observation wells with locations and bench marks was published in Water-Supply Paper 817.

a Height of water level above measuring point.

Payne County--Continued.

Water levels, in feet above datum planes, 1941

Date	1	2	3	4	5	7	8	9
Jan. 27-28	8.41	10.38	3.52	6.76	10.19	5.45	a 6.51	8.33
Feb. 28-Mar. 1	9.85	11.86	4.24	7.37	10.97	5.72	(b)	9.57
Mar. 28	9.52	11.15	4.65	7.84	10.92	5.95	....	9.82
Apr. 28	10.14	11.17	5.13	8.18	10.84	6.27	....	10.80
May 29-31	10.48	13.12	12.71	11.37	15.99	7.57	....	15.35
June 27-July 1	10.20	12.13	11.44	12.56	18.82	7.81	....	14.65
July 28	9.63	11.43	9.88	12.36	17.32	7.83	....	13.69
Aug. 28	9.06	10.61	7.47	11.71	15.89	7.33	....	12.55
Sept. 28	8.99	10.43	6.78	11.19	15.39	7.28	....	12.77
Nov. 2-3	12.75	14.96	13.89	19.56	16.71	23.05	....	16.10
Nov. 27-28	11.95	13.69	13.29	18.36	25.25	16.34	....	16.49
Dec. 31	11.75	13.45	13.31	18.25	25.48	15.43	....	16.89

Water levels, in feet above datum planes, 1941

Date	11	12	13	15	16	17	Average
Jan. 27-28	(c)	7.33	6.57	8.40	9.64	11.22	7.56
Feb. 28-Mar. 1	(c)	8.67	6.91	8.42	9.79	12.44	8.39
Mar. 28	(c)	8.72	6.74	8.39	9.94	12.84	8.42
Apr. 28	5.26	10.60	6.63	8.30	9.79	14.31	8.97
May 29-31	16.70	17.79	6.99	8.92	15.50	16.51	11.72
June 27-July 1	10.45	18.20	7.21	9.29	14.97	15.48	11.59
July 28	7.08	17.32	7.42	9.36	14.58	14.11	11.04
Aug. 28	4.79	16.22	7.49	8.94	13.51	12.73	10.17
Sept. 28	(c)	15.79	7.79	8.94	11.93	12.15	9.93
Nov. 2-3	9.23	21.49	7.97	9.48	15.98	16.28	15.49
Nov. 27-28	7.61	21.03	8.03	9.83	15.77	17.64	14.46
Dec. 31	14.43	20.89	8.60	10.65	15.88	18.60	14.55

Texas County

The original descriptions for most of the observation wells in Texas County appeared in Water-Supply Paper 840. Wells added to the program in 1938 and first described in Water-Supply Paper 845 are numbers 167, 172, 182, 270, 286, 294, 307, 323, 325, 436, 446, and 487. Wells added to the program in 1939 and first described in Water-Supply Paper 886 are numbers 125, 130, 138, 188, 284, and 308. Bench marks have been established close to most of the wells and are described in Water-Supply Paper 886.

Observation-well measurements have been discontinued as follows: in 1938 (Water-Supply Paper 886), wells 235 and 369; in 1940 (Water-Supply Paper 909), wells 307, 618, and 661; in 1941 (this paper), wells 60, 72, and 507.

The records of several of the wells appear to be especially significant. In well 487, which is beside an ephemeral pond, the water level rose 2.39 feet between November 1940 and November 1941, but in wells 85 and 446, which are similarly situated, little change in water level occurred. Well

a Well in use.
b Measurements discontinued.
c Dry.

Texas County--Continued.

332 is in the valley of the North Canadian (Beaver) River, but on a spur well above the channel rather than on the flood plain, yet the water level rose 2.13 feet during the year.

40. August Lorenz. NE¼NW¼ sec. 6, T. 3 N., R. 17 E. Water levels, in feet below measuring point, 1941: Jan. 25, 91.39; Mar. 31, 91.37; June 30, 91.18; Nov. 13, 90.87.

60. Measurements discontinued.

72. Measurements discontinued.

85. George Dean. SE¼NE¼ sec. 34, T. 4 N., R. 11 E. Water levels, in feet below measuring point, 1941: Jan. 24, 42.39; Apr. 1, 42.40; June 27, 42.21; Nov. 14, 42.37.

120. Joe Gribble. NE¼NE¼ sec. 2, T. 5 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 24, 196.26; Apr. 1, 196.86; June 30, 196.38; Nov. 14, 196.11.

125. J. Donald Hughes. SW¼SE¼SW¼ sec. 13, T. 1 N., R. 18 E. Water levels, in feet below measuring point, 1941: Jan. 28, 2.50; Apr. 6, 2.23; June 29, 1.60; Nov. 17, 2.14.

130. Robert Johnson. SE¼NW¼ sec. 7, T. 1 N., R. 19 E. Water levels, in feet below measuring point, 1941: Jan. 28, 2.46; Apr. 6, 2.29; June 29, 2.35; Nov. 17, 1.82.

138. Joe Sutton. SW¼SE¼ sec. 6, T. 1 N., R. 19 E. Water levels, in feet below measuring point, 1941: Jan. 28, 2.53; Apr. 6, 2.18; June 29, 1.76; Nov. 17, 1.85.

167. Owner unknown. SW¼SE¼SE¼ sec. 34, T. 2 N., R. 12 E. Water levels, in feet below measuring point, 1941: Jan. 25, 190.56; Apr. 1, 190.27; June 27, 190.59; Nov. 14, 190.34.

172. Owner unknown. SE¼SE¼NE¼ sec. 25, T. 2 N., R. 13 E. Water levels, in feet below measuring point, 1941: Jan. 25, 121.22; Apr. 1, 120.98; June 27, 121.26; Nov. 14, 121.28.

176. W. N. Ballinger. SW¼SW¼ sec. 18, T. 3 N., R. 15 E.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 24	2.91	May 29	1.31	Nov. 14	a 0.22
Mar. 31	2.55	June 27	2.71		

182. Panhandle Agriculture and Mechanical College. NE¼NE¼SE¼ sec. 34, T. 2 N., R. 13 E. Water levels, in feet below measuring point, 1941: Jan. 25, b/138.98; Apr. 1, b/138.54; June 27, c/138.62; Nov. 14, b/139.23.

187. John Gill. SE¼NW¼ sec. 12, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1941: Jan. 25, 4.54; Mar. 31, 4.21; June 30, 4.50; Nov. 13, 3.36.

188. Kuhn Bros. NW¼ sec. 1, T. 2 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 24, 124.76; Mar. 31, 124.89; June 27, 124.91; Nov. 13, 124.93.

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a Height of water level above measuring point.
b Southern town well pumping.
c Both town wells and campus irrigation well pumping.

Texas County--Continued.

270. Owner unknown. NW¼SW¼ sec. 7, T. 3 N., R. 11 E. Water levels, in feet below measuring point, 1941: Jan. 24, 72.78; Apr. 1, 72.75; June 27, 72.75; Nov. 14, 72.70.

284. Paul Spradlin. NE¼NE¼NE¼ sec. 5, T. 3 N., R. 12 E. Water levels, in feet below measuring point, 1941: Jan. 24, 102.37; Apr. 1, 102.31; June 27, 102.35; Nov. 14, 102.36.

286. William Webb. SW¼SW¼ sec. 9, T. 3 N., R. 12 E. Water levels, in feet below measuring point, 1941: Jan. 24, 23.93; Apr. 1, 23.98; June 27, 23.05; Nov. 14, 21.88.

294. Stonebraker-Zea ranch. NW¼NW¼ sec. 25, T. 3 N., R. 13 E. Water levels, in feet below measuring point, 1941: Jan. 24, 43.23; Mar. 31, 43.29; June 27, 43.31; Nov. 13, 43.26.

295. E. O. Hobson. SW¼NW¼ sec. 14, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1941: Jan. 25, a/11.28; Mar. 31, 11.00; June 30, b/9.62; Nov. 13, 9.91.

308. Charles Reust. SE¼SE¼SE¼ sec. 5, T. 3 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 24, 69.80; Apr. 1, 69.78; June 27, 69.84; Nov. 14, 69.84.

323. Mrs. Bostwick. SW¼SE¼ sec. 1, T. 3 N., R. 16 E. Water levels, in feet below measuring point, 1941: Jan. 25, 22.81; Mar. 31, 22.75; June 30, 21.67; Nov. 13, 21.65.

324. Anna Calvert. SW¼SW¼ sec. 2, T. 3 N., R. 16 E. Water levels, in feet below measuring point, 1941: Jan. 25, 95.90; Mar. 31, 95.86; June 30, 95.91; Nov. 13, 95.85.

325. Florence B. Ensten; NW¼NW¼ sec. 2, T. 3 N., R. 16 E. Water levels, in feet below measuring point, 1941: Jan. 25, 105.50; Mar. 31, 105.39; June 30, 105.51; Nov. 13, 105.46.

332. Owner unknown. SW¼SE¼ sec. 17, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1941: Jan. 25, 69.15; Mar. 31, 68.80; June 30, 68.43; Nov. 13, 68.24.

350. C. A. Nash. NW¼NW¼ sec. 18, T. 3 N., R. 16 E. Water levels, in feet below measuring point, 1941: Jan. 27, 2.39; Apr. 1, 2.13; Nov. 14, 2.05.

354. A. M. Fankhauser. SE¼SW¼ sec. 27, T. 6 N., R. 15 E. Water levels, in feet below measuring point, 1941: Jan. 24, 148.64; Apr. 1, 148.67; June 30, 148.75.

386. Frank Roten. SE¼SE¼ sec. 3, T. 2 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 24, 101.91; Mar. 31, 102.07; June 27, 101.89; Nov. 13, 102.16.

399. Andrew Bender. NE¼SE¼ sec. 26, T. 2 N., R. 14 E. Water level, in feet below measuring point, 1941: June 27, 127.52.

404. Everett J. Ritter. NW¼NE¼ sec. 4, T. 1 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 25, 166.97; Apr. 1, 166.53.

436. Leo Holtgraver. NE¼NE¼ sec. 24, T. 4 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 24, 170.83; Apr. 1, c/170.60.

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a Last pumped 4½ hours prior to measurement.
b Last pumped (15 gallons) 1 hour prior to measurement.
c Last pumped 2½ hours prior to measurement.

Texas County--Continued.

446. Owner unknown. NW¼NE¼NW¼ sec. 8, T. 4 N., R. 15 E. Water levels, in feet below measuring point, 1941: Jan. 24, a/149.27; Apr. 1, a/149.32; June 30, b/149.40; Nov. 14, c/149.32.

459. Owner unknown. NE¼NW¼ sec. 21, T. 1 N., R. 14 E. New measuring point established Jan. 25, 1941, top of clamp 0.19 foot above bench mark and 0.07 foot above original measuring point. Water levels, in feet below original measuring point, 1941: Jan. 25, 65.24; Apr. 1, 65.23; Nov. 14, 64.96.

461. Owner unknown. NW¼NW¼ sec. 31, T. 1 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 25, 191.73; Apr. 1, 191.53; June 27, 191.67.

487. J. E. Friesen. SE¼SE¼ sec. 34, T. 4 N., R. 18 E. Water levels, in feet below measuring point, 1941: Jan. 25, 102.28; Mar. 31, 102.19; June 30, 101.89; Nov. 13, 99.97.

497. R. M. Van Hyning. NW¼NW¼SW¼ sec. 21, T. 4 N., R. 19 E.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 25	104.22	June 30	104.17	Nov. 13	104.08
Mar. 31	104.19	Oct. 29	104.04		

507. Measurements discontinued.

530. Owner unknown. NE¼NE¼ sec. 26, T. 5 N., R. 14 E. Water levels, in feet below measuring point, 1941: Jan. 24, 178.20; Apr. 1, 178.24; June 30, 178.35; Nov. 14, 178.18.

551. Owner unknown. SW¼SW¼ sec. 19, T. 4 N., R. 13 E. Water levels, in feet below measuring point, 1941: Jan. 24, 146.25; Apr. 1, 145.92; June 27, 145.99; Nov. 14, 145.98.

552. B. G. Manwarren. NE¼NE¼ sec. 1, T. 3 N., R. 12 E. Water level, in feet below measuring point, 1941: Nov. 14, 178.34.

589. George Hoferber (formerly August Lorenz). NW¼NW¼ sec. 34, T. 4 N., R. 17 E. Water levels, in feet below measuring point, 1941: Jan. 25, 120.17; June 30, 120.16; Nov. 13, 120.06.

621. Marvin Reeves (formerly "owner unknown"). NW¼NW¼ sec. 2, T. 3 N., R. 10 E. Water levels, in feet below measuring point, 1941: Jan. 24, 150.85; Apr. 1, 150.40; June 27, 150.85; Nov. 14, 150.71.

626. John R. McCoy (formerly John Copeland). SW¼NW¼ sec. 27, T. 4 N., R. 10 E. Measuring point described in Water-Supply Paper 886 (p. 609) removed and original measuring point restored beginning with the measurement for January 1941. Water levels, in feet below measuring point, 1941: Jan. 24, 90.80; Apr. 1, 90.69; June 27, 90.67.

761. Federal Life Insurance Company, Chicago. NW¼NW¼ sec. 7, T. 3 N., R. 19 E. Well in use beginning with June measurement. New measuring point, northeast edge of casing, 0.37 foot below original measuring point, and 1.37 feet below bench mark. Water levels, in feet below measuring point, 1941: Jan. 25, 107.80; Mar. 31, 107.8[illegible]; June 30, 108.05; Nov. 13, d/108.23.

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a Nearby pond dry at time of measurement.
b Nearby pond full at time of measurement.
c Nearby pond one-quarter full at time of measurement.
d Last pumped 1 hour prior to measurement.

Texas County--Continued.

765. O. Jolliff. SW¼ sec. 26, T. 3 N., R. 19 E. Water levels, in feet below measuring point, 1941: Jan. 25, 107.74; Mar. 31, 107.71; June 30, 107.98; Nov. 13, 108.07.

770. A. C. DeHart. SW¼NW¼ sec. 15, T. 3 N., R. 19 E. Water levels, in feet below measuring point, 1941: Jan. 25, 123.61; Mar. 31, 123.67; June 30, 123.62; Nov. 13, 123.59.

795. Herman Zable. NW¼SW¼ sec. 30, T. 4 N., R. 18 E. Water levels, in feet below measuring point, 1941: Jan. 25, 116.79; Mar. 31, 116.75; June 29, 116.74; Nov. 13, 116.77.

842. C. A. Rahm. NW¼NE¼ sec. 22, T. 6 N., R. 16 E. Water levels, in feet below measuring point, 1941: Jan. 24, 124.37; Apr. 1, 124.26; June 30, 124.53; Nov. 13, 124.09.

Woodward County

The original descriptions of the observation wells in Woodward County, and of bench marks for them, appeared in Water-Supply Paper 909.

1. Oklahoma City Water Department. NE¼NW¼ sec. 8, T. 20 N., R. 17 W.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.24	May 29	5.08	Aug. 21	7.00	Oct. 27	2.78
Mar. 29	6.67	July 27	6.32	Sept.29	6.10	Nov. 28	5.77

2. Oklahoma City Water Department. NE¼NE¼ sec. 25, T. 23 N., R. 21 W.

Water level, in feet below measuring point, 1941

Jan. 30	7.78	May 29	6.31	Aug. 21	7.45	Oct. 27	3.29
Mar. 30	7.2	July 27	6.80	Sept.29	6.09	Nov. 28	6.13

3. Western State Hospital. NE¼NE¼ sec. 16, T. 24 N., R. 22 W.

Water level, in feet below measuring point, 1941

Jan. 30	6.10	July 1	5.85	Oct. 27	4.75	Nov. 28	6.39
Mar. 30	5.22	July 27	a 25.8	Nov. 17	5.43		

a Well being pumped.

TEXAS

STATE-WIDE PROJECT

By R. W. Sundstrom

Measurements of water levels and artesian pressure in observation wells in Texas have been made since 1929 by the Federal Geological Survey in cooperation with the Texas State Board of Water Engineers. Prior to June 22, 1941, the measurements in Loving, Reeves, and Ward Counties, in the Pecos River Basin, were made in cooperation with the Red Bluff Water Power Control District in connection with the Pecos River Joint Investigation. Since June 22, 1941, the measurements have been made in cooperation with the Texas State Board of Water Engineers. In El Paso County the measurements have been made in cooperation with the city of El Paso.

During 1941 a total of about 10,000 measurements were made in about 1,100 wells in 66 Texas counties. Water-stage recorders were maintained on 22 wells in selected areas to obtain continuous records of the fluctuation of the water level. In some parts of the State water-level measurements were made at intervals of a month or less, but in most places the period between measurements ranged from 3 to 12 months.

Water-level measurements made before 1941 are published in Water-Supply Papers 777, 817, 840, 845, 886, and 909.

RAINFALL

Precipitation in Texas was very heavy in 1941. According to records of the United States Weather Bureau, the average precipitation for the stations in the State was 45.53 inches. This average is 14.58 inches above the mean average and has been exceeded only once in 53 years.

Excessive precipitation was reported at all except five of the weather stations. In the western part of the State, west of the 101st meridian, the average rainfall was 33.84 inches--16.90 inches above the mean; in the middle area, between the 101st and the 97th meridians, the average was 39.59 inches--12.20 inches above the mean; and in the eastern section, east of the 97th meridian, the average was 55.35 inches--13.44 inches above the mean.

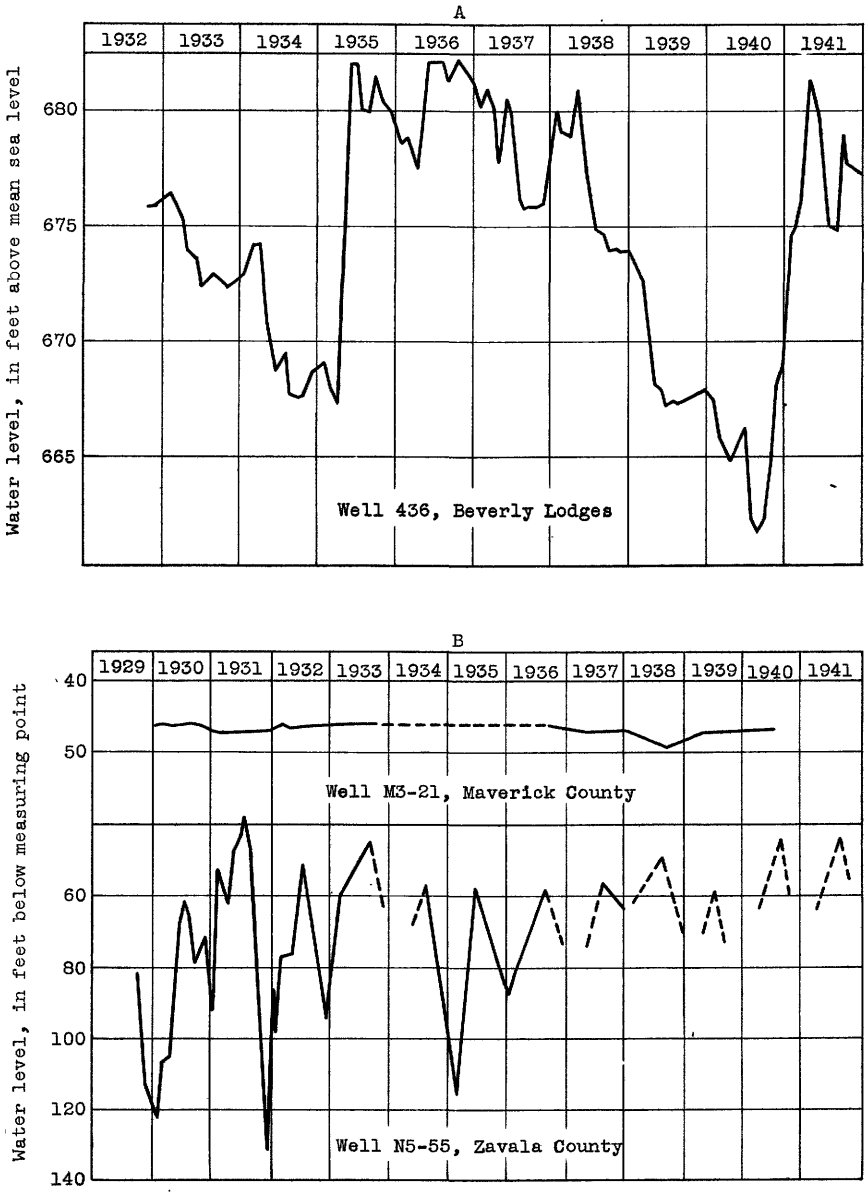

Figure 7.--A, Hydrograph showing fluctuations of water level in well 436, Beverly Lodges, San Antonio, Tex. B, Hydrographs showing fluctuations of water level in wells in the Winter Garden area, Tex.

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The precipitation recorded at the different stations ranged considerably with respect to average. In the western section of the State, the departures from mean average, although all positive, ranged from 3.27 inches to 26.43 inches. In the middle section, 3 stations reported departures below average; the departures at other stations, which were all positive, ranged from 2.39 to 31.25 inches. In the eastern section 2 stations reported below-average precipitation; the others had positive departures ranging from 1.53 to 32.14 inches.

BALCONES FAULT ZONE

The observation wells in the Balcones fault zone are in Bexar, Comal, Guadalupe, Hays, Kinney, Travis, Uvalde, Val Verde, and Williamson Counties. Most of the wells tap water in the Edwards limestone, which supplies large springs along the escarpment from Del Rio to Austin, irrigation wells in Bexar and Uvalde Counties, and public and industrial wells at San Antonio and smaller cities. Water enters the Edwards limestone in its outcrop along the Balcones escarpment and on the Edwards Plateau. Many of the Edwards limestone observation wells are artesian, and the water level in many of them rises quickly after heavy rains on the outcrop area.

Owing to large differences in the amount of rainfall over the intake area, the fluctuations of the water level in different wells varied widely in 1941. In the northern section of the fault zone, in Williamson, Travis, Hays, Comal, and Bexar Counties, the water levels in general were high. Although the precipitation at San Antonio was below average, the rainfall to the north and northwest on the outcrop area was above average, causing the artesian pressure in the San Antonio area to be high. An accompanying illustration shows the fluctuations of water level in a well at the Beverly Lodges in San Antonio. The water level in the well rose from a very low stage in 1940 to a very high stage in the spring of 1941. Most of the water levels in wells immediately west of Bexar County, in Medina and Uvalde Counties, were higher than they were in 1940. The precipitation west of San Antonio diminished toward Del Rio. In Kinney and Val Verde Counties the water levels were as low or lower than they were in 1940.

SOUTHWEST TEXAS

Dimmit and Zavala Counties: The Winter Garden district.--For the last 22 years much land has been irrigated in the Winter Garden district. About 22,000 acres were irrigated in 1937-38, the period covered by the last inventory. Nearly all the water used for irrigation is derived from the Carrizo sand, which crops out in a belt about one to seven miles wide, extending across the western part of Dimmit County, the western and northern parts of Zavala County, and parts of eastern Maverick and southern Uvalde Counties. The sand on the average is about 200 feet thick and dips generally east and southeast. The belt in which it can be reached within a depth of 1,000 feet is about 15 miles wide.

On the outcrop of the Carrizo sand, water levels in the observation wells, all of which are remote from heavy pumping, show relatively little seasonal or yearly fluctuation and have changed only slightly during the past 12 years. In areas down the dip, where pumping has been heavy, the range of fluctuation of the water levels is, however, considerable. Heavy rains in April and May 1941 furnished sufficient water for crops so that only very little irrigation was necessary; as a result, the water levels in the observation wells remained high throughout the year. The accompanying illustration shows the fluctuations of water level in two typical observation wells in the Winter Garden district. Well M3-21 is on the outcrop area, where the fluctuations are small; well N5-55 is situated down the dip of the Carrizo sand, where the fluctuations are large.

Duval County.--An average decline in water level of 0.2 foot occurred in 42 wells in Duval County between February 1940 and February 1941. The precipitation was above normal in 1941, but most of it occurred after the water-level measurements were made in February, and, therefore, the effect of the heavy precipitation is not shown.

Brooks County.--The average of water levels in 22 observation wells in Brooks County was 0.1 foot lower in February 1941 than in February 1940. Above-average precipitation occurred in the county after the February measurements in 1941.

Kleberg County.--Ground-water levels in Kleberg County have declined persistently since 1904. The decline in 1940 and 1941, however, was less than in previous years. In 22 observation wells the water level declined an average of 0.3 foot; in 8 wells the water level rose from 0.4 foot to 1.2 feet.

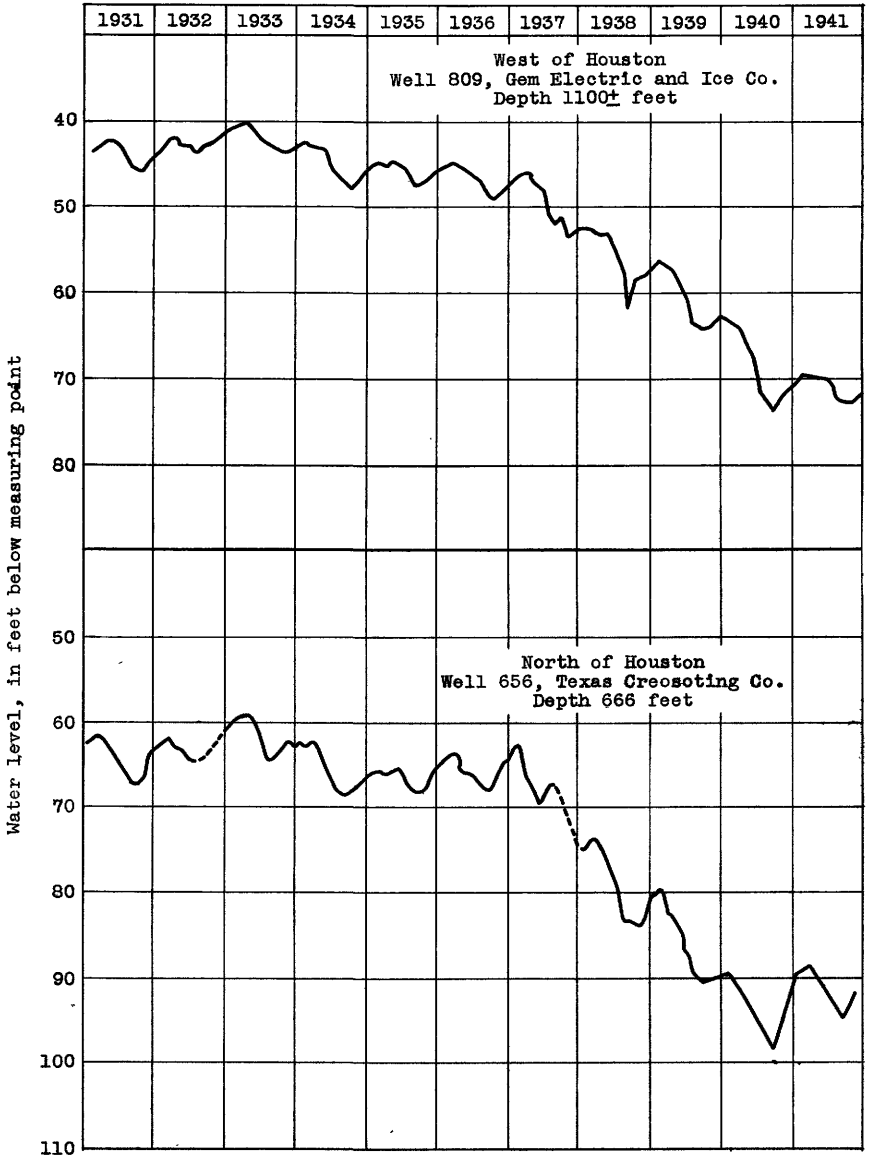

Figure 8.--Graphs showing fluctuations of water levels in wells in the Houston area, Tex.

SOUTHEAST TEXAS

Wharton County.--The water levels in 13 wells rose an average of 1.7 feet from March 1940 to March 1941. This rise contrasts with an average decline of 1.1 feet in the corresponding period of 1939-40. The precipitation in 1941 was about 13 inches above average.

Jackson County.--The water levels in 18 wells in Jackson County had an average rise of 1.7 feet from March 1940 to March 1941. Precipitation at Edna during 1941 was 21.82 inches above average.

Matagorda County.--Near Palacios, where heavily pumped wells are near the observation wells, the water level in one observation well declined 2.9 feet and the water level in another well declined 4.1 feet from March 1940 to March 1941. However, in an observation well that is rather remote from the influence of pumping, there was a rise of 2.5 feet. In 1941, precipitation in Matagorda County was above average.

Houston-Galveston and adjacent region.--The following discussion of pumping in the Houston area and of the decline in water levels is taken in part from a recent report:[1/]

"Rainfall.--The rainfall in most of Texas was unusually heavy during the year ending November 1, 1941. According to the records of the United States Weather Bureau, the rainfall for this period at Houston amounted to 72.32 inches, or about 60 percent more than the average for 60 years. At Hempstead, about 50 miles northwest of Houston, it was 79.48 inches or about twice the average for 50 years. At Conroe, about 40 miles north of Houston, it was 87.06 inches or about 80 percent above the average for 23 years. The rainfall during the summer months, April to September inclusive, in 1941 was 37.02 inches at Houston, 29.98 inches at Hempstead, and 38.91 inches at Conroe. Because of the abnormally high rainfall the requirements for watering lawns and gardens and for industrial cooling during the summer were much less than usual and only about half as much water as usual was used for rice irrigation. * * *

"Summary.--* * * The pumpage in the Houston and Pasadena areas during 1941 averaged about 78,000,000 gallons a day, or about 1,000,000 gallons a day less than in 1940. The reduction was due to a marked decline in the demands for water during the summer, resulting from the abnormally heavy rainfall. Although the water levels in the observation wells were materially lower in the spring of 1941 than in the spring of 1940, the net decline during the calendar year 1941 was small as compared with the decline during each of the four calendar years 1937 to 1940, inclusive. The lessening in the rate of decline is attributed to the fact that the water levels were not lowered as much as usual during the summer of 1941.

"In the Katy area the pumpage during 1941 was approximately one-half as much as in 1940, averaging about 23,000,000 gallons a day. Although there was a decline in the water levels between the spring of 1940 and the spring of 1941 there was a small average net rise during the calendar year 1941, due to the reduction in pumpage and to recharge from the heavy rains.

"Most of the water table wells in the outcrop area of the water-bearing sands along the Hempstead and Conroe highways showed a rise in water levels in 1941. The area is too far away, however, for the rise to appreciably affect the water levels in the Houston and Pasadena wells. * * *"

1/ White, W. N., Rose, N. A., and Guyton, W. F., Progress report on the ground-water resources of the Houston district: Texas State Board of Water Engineers and Federal Geological Survey mimeographed report, January 1942.

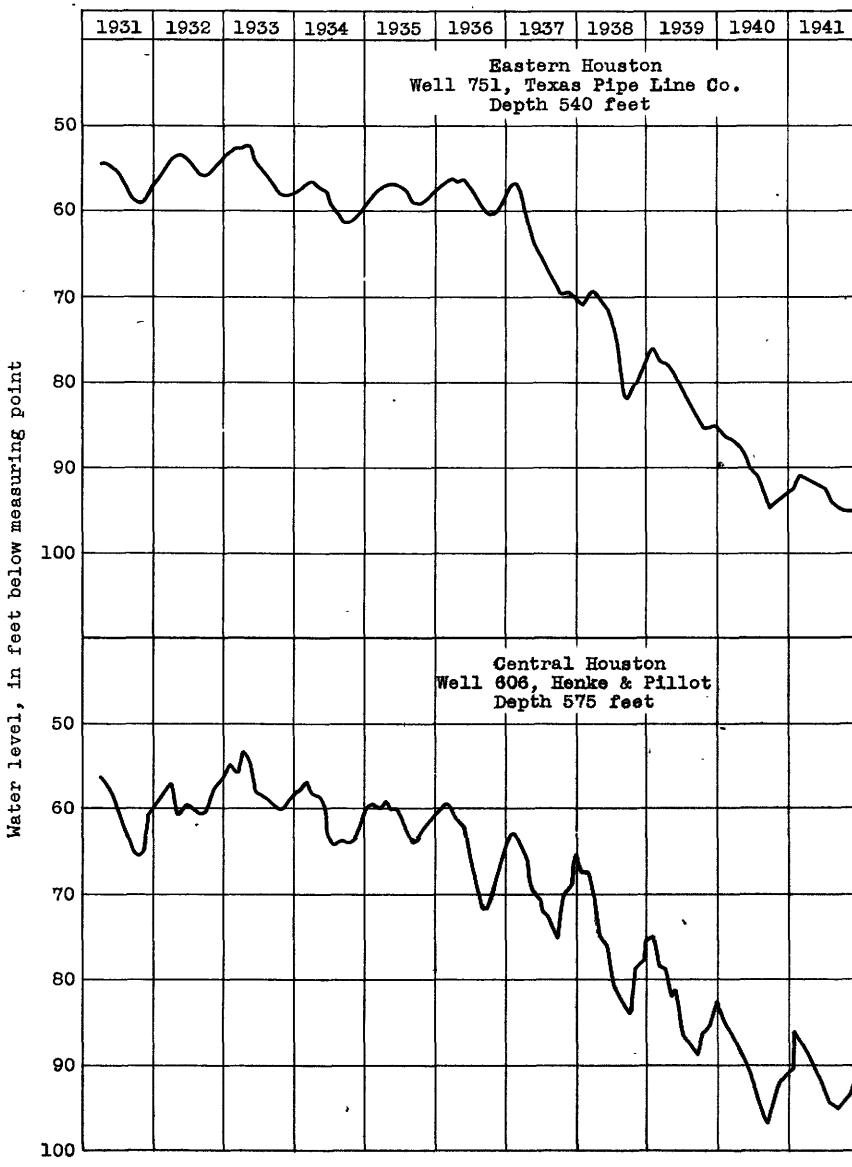

Figure 9.--Graphs showing fluctuations of water levels in wells in the Houston area, Tex.

The accompanying illustrations show the fluctuations of water level in four typical observation wells in Houston from 1931 through 1941.

Throughout Galveston County, the water levels continued to decline, due to the heavy pumping in the area.

EAST TEXAS

Angelina and Nacogdoches Counties.--Due to heavy pumping for industrial purposes in the vicinity of Lufkin during the year, water levels declined in deep wells tapping the Carrizo sand in Angelina and Nacogdoches Counties. The amount of decline varied with the distance of the observation wells from the centers of pumping. The accompanying illustration shows the fluctuation of water levels in three wells; one well (113A) about seven miles northeast of Nacogdoches, is beyond the influence of heavy pumping, and two wells (168 and 169) are in Angelina County near heavy industrial pumping at Lufkin.

HIGH PLAINS

The High Plains in Texas occupy an area of about 35,000 square miles, extending from the north boundary of the Panhandle southward about 300 miles, and from the New Mexico State line eastward an average distance of about 120 miles to a boundary that is sharply defined in most places by a bold escarpment several hundred feet high.

Irrigation from wells in the High Plains in Texas was started near Plainview, Hereford, and Muleshoe about 30 years ago. Estimates of the total number of wells pumped and the total amount of land irrigated from them since 1937 are as follows: 1937, 1,150 wells pumped and 160,000 acres irrigated; 1938, 1,500 wells pumped and 200,000 acres irrigated; 1939, 1,700 wells pumped and 230,000 acres irrigated; 1940, 2,100 wells pumped and 280,000 acres irrigated. In 1941 about 380 new wells were drilled. It is estimated that the total amount of water used in 1940 was probably about 190,000 acre-feet and that the amount used in 1941 was probably about 50,000 acre-feet.[2/3/]

2/ White, W. N., Broadhurst, W. L, and Lang, J. W., Ground water in the High Plains in Texas (mimeographed report): Texas State Board of Water Engineers, December 1940.

3/ Broadhurst, W. L., Recharge and discharge of the ground-water reservoir of the High Plains in Texas: paper presented at the meeting of the American Geophysical Union at Dallas, Texas, Dec. 29-31, 1941.

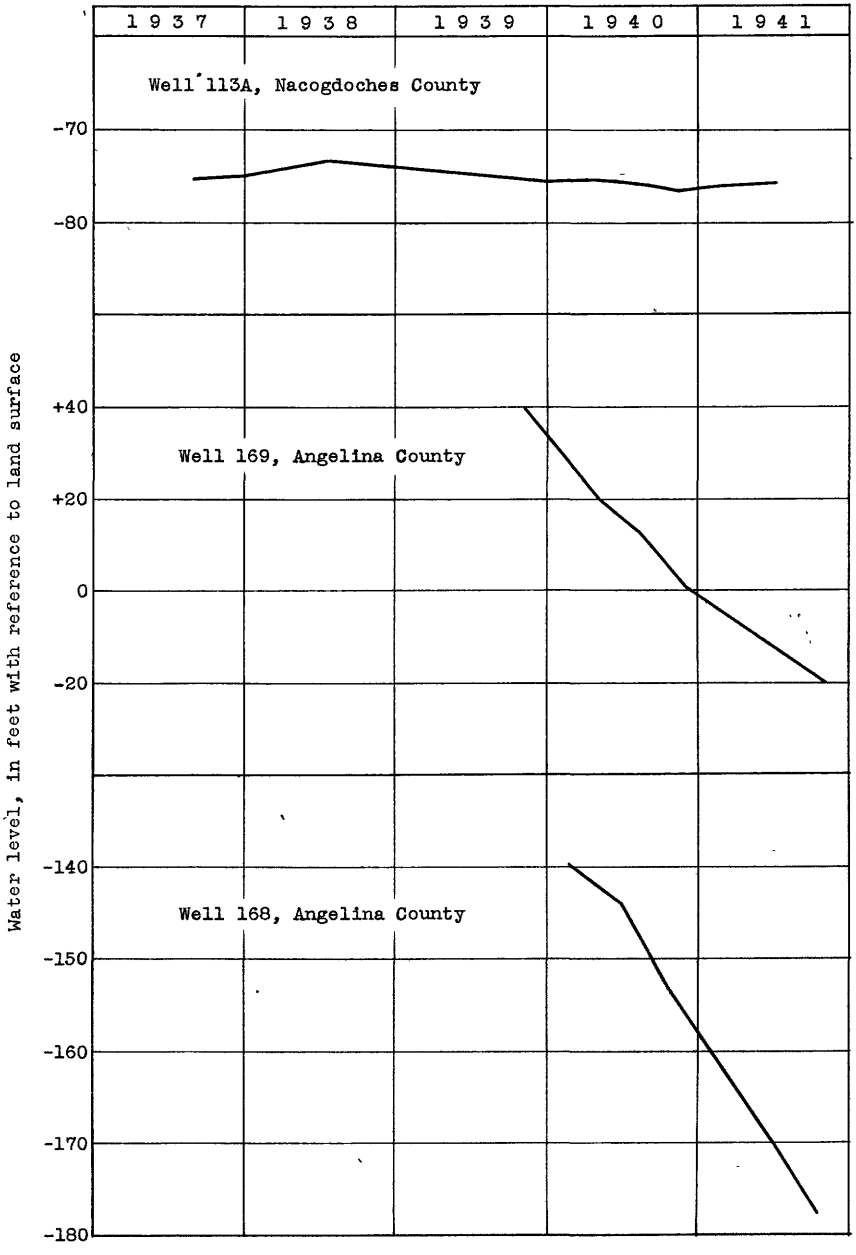

Figure 10.--Graphs showing fluctuations of water levels in wells in the Lufkin area, Tex.

The large decline in the amount of water used for irrigation and the heavy rainfall caused the ground-water levels on the High Plains to rise considerably, especially in areas where heavy pumping has been in progress. Water levels in the Muleshoe district were higher than they have been since 1936. In the Hereford, Plainview, Texline, and Lubbock-Littlefield districts, the water levels rose considerably but are still much below the levels observed in 1937, before the large expansion in irrigation started in the High Plains.

WEST TEXAS

Loving, Reeves, and Ward Counties.--The principal water-bearing formations in this area are the Rustler limestone of Permian age; sandstones of Triassic age; limestones and sandstones of lower Cretaceous age; and conglomeratic alluvial deposits of sand and gravel, that have been subdivided by geologists into older alluvium and younger alluvium.

Although it is rather highly mineralized, some water from the Rustler limestone is usable for stock and irrigation purposes. The cities of Pecos and Barstow, and several industrial plants and oil fields in east-central Ward County, obtain water from the Triassic sandstones. Limestones and sandstones of lower Cretaceous age supply the large springs known as San Solomon and Phantom Lake, in southeastern Reeves County, and Santa Rosa, Comanche, and Leon Springs, in Pecos County. The water from the springs is used to irrigate approximately 16,000 acres of land.

The older alluvium is believed to have been deposited in depressions of various sizes resulting from the solution of soluble rocks in underlying formations older than the Rustler. The alluvium is more than 1,500 feet in some places, but it thickens and thins rapidly within short distances. The Pecos artesian aquifer, which is made up of one to several beds of sand and gravel of this older alluvium, contains highly mineralized water and extends several miles west and southwest of Pecos. Much of the irrigation in the vicinity of Pecos depends on water contained in this alluvium. In 1940, about 11,000 acre-feet of water was used to irrigate about 2,460 acres of land near Pecos.

The younger alluvium, averaging 25 feet or less in thickness, underlies the Pecos River flood plain and the lower terraces. In most places it is rather permeable and rapidly absorbs water applied for irrigation.

Since July 1941 the depth to water level in about 80 selected observation wells in the area has been measured periodically. The depth to water in 10 of the wells had been measured at intervals in 1930, 1931, and 1932. In an area near Pecos where the wells generally have a flow, periodic measurements of artesian pressure were made on 14 selected observation wells. These measurements started late in 1939. At the middle of December 1941 the artesian pressures ranged from 1.30 to 2.55 feet higher than they were in November and December 1939.

RECORDS OF WATER LEVEL

On the following pages the records of water level are expressed in feet with reference to the measuring point unless otherwise noted.

Andrews County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, and 909.

122. J. E. Parker. SE¼SE¼ sec. 18, blk. A-46, P. S. L., 2 miles west of Andrews. Water level, in feet below measuring point, 1941: Dec. 16, 111.65.

220. Mrs. Lela McQuatters. NW¼ sec. 20, blk. A-34, P. S. L., 11.5 miles north of Andrews. Water level, in feet below measuring point, 1941: Dec. 16, 78.30.

Angelina County

Well numbers correspond to those in Water-Supply Papers 840, 845, 849-A, 886 and 909.

1. McKnight. In valley, 1.1 miles southeast of Cherokee County line, 1.2 miles southwest of Nacogdoches County line, 14.35 miles northwest of Lufkin. Water level, in feet above measuring point, 1941: June 17, 9.5.

3. No measurements made in 1941.

5. No measurements made in 1941.

13. No measurements made in 1941.

43. W. A. Collmorgan. Three and one-half miles north of Lufkin. Water levels, in feet below measuring point, 1941: June 17, 52.05; Aug. 31, 58.50.

45. No measurements made in 1941.

47. No measurements made in 1941.

50. No measurements made in 1941.

53. No measurements made in 1941.

56. No measurements made in 1941.

73. J. L. Bonner. About 300 yards south of old State Highway 94, just west of swampy lake, 11 miles south-southwest of Lufkin. Measuring point, top of casing, 2 feet above land surface. June 18, 1941, flowing.

167. Measurements discontinued.

168. City of Lufkin. In brick pump house, about 300 feet west of Redland School, 2 blocks west of U. S. Highway 59 at Redland. Water levels, in feet below measuring point, 1941: June 18, 171.68; Sept. 1, 178.03.

169. Gulf Pipe Line Co. Two and three-fourths miles northwest of Redland. Water levels, in feet below measuring point, 1941: June 17, 12.66; Sept. 1, 19.34.

Aransas County

Well numbers correspond to those in Water-Supply Paper 909.

35. W. S. Kirby. On west side of State Highway 35, northeast edge of Aransas Pass. Water levels, in feet below measuring point, 1941: May 16, 5.93; May 31, 5.69; Sept. 11, 8.82.

46. R. R. Barber. In Estes, on northwest side of State Highway 35, 5.25 miles southwest of Rockport. Water levels, in feet below measuring point, 1941: May 17, 8.87; June 1, 8.84; Sept. 11, 10.02.

59. E. F. Barber. Five and one-half miles west of Rockport. Water levels, in feet below measuring point, 1941: May 16, 9.90; May 30, 9.80; Sept. 10, 10.34.

77. H. G. Smith. One-half mile southwest of center of Rockport, in southwest edge of Rockport. Water levels, in feet below measuring point, 1941: May 16, 4.30; May 30, 3.10; Sept. 10, 7.37.

244. Willie Owens. Six-tenths mile northeast of Oak Grove School. Water levels, in feet below measuring point, 1941: May 16, 9.96; May 30, 9.72.

Aransas County--Continued

247. G. M. Broach. Six-tenths mile west of State Highway 35 on Bayside road, 60 feet north-northeast of windmill well. Water level, in feet below measuring point, 1941: May 16, 3.31.

Bailey County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

5A. Gus Schrader. NW¼NE¼ sec. 3, blk. Z, 10 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 64.30; Mar. 7, 64.33; Nov. 10, 40.22.

9. Jim Ellis. NE¼NW¼ sec. 21, blk. Z, 10.5 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 39.83; Mar. 10, 39.79; July 30, 39.16; Nov. 10, 38.25.

11. Tom Smith. NE¼SW¼ sec. 22, blk. Z, 10.5 miles west of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 26.4; Mar. 10, 27.7; July 30, 24.3; Nov. 10, 22.3.

21A. Mrs. J. W. Gregory, Sr. NW¼NW¼ sec. 6, blk. X, 8 miles west of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 25.87; Mar. 10, 25.82; July 30, 23.15; Nov. 10, 20.53.

25. C. A. Wagner. NW cor. SE¼ sec. 6, blk. Z, 8 miles west of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 23.98; Mar. 7, 23.87; July 30, 19.38; Nov. 10, 16.59.

31. Measurements discontinued.

33. Mrs. J. W. Gregory. NW cor. SW¼ sec. 12, blk. X, 7 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 33.44; Mar. 10, 32.91; July 30, 30.47; Nov. 10, 29.04.

34A. NE¼NE¼ sec. 20, blk. X, 6 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 43.50; Mar. 7, 43.58; July 30, 43.07; Nov. 10, 42.33.

35A. F. O. Boone. NE¼SE¼ sec. 24, blk. X, 4.5 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 26.71; Mar. 10, 26.67; July 30, 21.59; Nov. 10, 22.80.

36. J. M. Murrah. NE¼NW¼ sec. 23, blk. X, 4.75 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 19.8; Mar. 10, 19.7; July 30, 15.5; Nov. 10, 13.9.

45. H. M. Schofner. NW¼SW¼ sec. 32, blk. Y, 2.25 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 21.61; Mar. 10, 21.53; July 30, 11.65; Nov. 12, 12.54.

49. Jess Mitchell. NW cor. NE¼SE¼ sec. 33, blk. X, 3.75 miles northwest of Muleshoe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 27	25.48	May 30	24.57	Nov. 12	18.89
Mar. 7	25.30	July 30	20.31		

53. W. B. Gwyn, Sr. NE¼SE¼ sec. 22, blk. Y, 3.25 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 26.20; Mar. 10, 26.43; July 30, 16.58; Nov. 12, 18.33.

62. Levi Churchill. NW cor. SE¼ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 25.02; Mar. 10, 24.62; Nov. 12, 19.62.

63. Sam Gorrell. NW cor. SW¼ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 26.91; Mar. 10, 26.59; July 30, 24.98; Nov. 12, 21.11.

Bailey County--Continued.

66. J. L. Wallace. NW cor. NE¼ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 23.10; Mar. 10, 22.76; July 30, 17.83; Nov. 12, 15.64.

67. I. W. Hardin. NW cor. NE¼NE¼ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 21.32; Mar. 10, 21.23; July 30, 16.00; Nov. 12, 13.85.

69. E. R. Hart. NW¼SW¼ sec. 52, blk. Y, 1.75 miles north of Muleshoe. Water levels, in feet below measuring point, 1941: Mar. 10, 17.82; July 30, 10.91; Nov. 12, 9.01.

79. D. E.Cox. SW cor. NW¼ sec. 53, blk. Y, 1 mile north of Muleshoe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	25.29	Mar. 10	25.23	May 30	23.21	Oct. 14	18.31
Feb. 3	25.27	17	25.22	June 6	22.33	21	18.19
11	25.26	21	25.21	July 22	16.08	28	17.18
18	25.25	28	25.00	30	16.39	Nov. 3	16.66
24	25.25	May 4	25.23	Aug. 10	16.71	10	16.29
Mar. 3	25.24	11	25.03	17	17.12	17	16.21

92. L. H. McConnell. NW¼NE¼ sec. 51, blk. Y, 3.25 miles north of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 23.63; Mar. 10, 23.47; July 31, 18.37.

95. E. R. Hart. NW cor. NW¼ sec. 71, blk. Y, 4 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 25.83; Mar. 10, 25.92; July 31, 21.05.

108. T. L. Mounce. NW cor. SE¼NE¼ sec. 31, blk. W, 7 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 37.55; Mar. 10, 37.35; Nov. 3, 32.75.

116. C. B. Huggins. NW¼NE¼SW¼ sec. 32, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1941: Mar. 10, 24.15; Nov. 1, 18.45.

117. H. L. Dempster. NW cor. NW¼ sec. 32, blk. W, 6 miles northeast of Muleshoe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 27	37.44	May 30	37.07	Nov. 3	33.55
Mar. 10	37.20	July 31	35.37		

120. I. F. Wilman. NW cor. SW¼ sec. 83, blk. Y, 5 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 29.25; Mar. 10, 29.07; July 31, 26.20; Nov. 1, 22.91.

130. E. R. Hart. NW cor. NE¼SE¼ sec. 33, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet above or below measuring point, 1941: Jan. 27, -4.03; Mar. 10, -3.88; Nov. 1, +7.00.

131. R. D. Precure. NW cor. SW¼ sec. 34, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1941; Jan. 27, 22.82; Mar. 10, 22.70; July 31, 16.18; Nov. 1, 12.68.

132. J. A. Ryan. NW cor. SE¼ sec. 34, blk. W, 6.5 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1941: Jan. 27, 23.90; Mar. 10, 23.71; Nov. 1, 13.80.

135. C. H. Lehew. NW¼SW¼ sec. 47, blk. W, 6 miles east of Muleshoe. Water levels, in feet below measuring point, 1941: July 31, 9.15; Nov. 1, 7.09.

Bailey County--Continued.

136. C. A. Barnett. NW cor. SE¼ sec. 48, blk. W, 5.5 miles east of Muleshoe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 27	17.16	May 30	14.86	Nov. 1	5.44
Mar. 10	17.01	July 31	7.82		

137. C. H. Whitehead. NW cor. SW¼ sec. 48, blk. W, 4.75 miles east of Muleshoe. Water levels, in feet above or below measuring point, 1941: Jan. 27, -5.47; Mar. 10, -5.23; Nov. 1, +5.08.

141. L. L. Lowery. SW cor. NW¼ sec. 49, blk. W, 4.5 miles east of Muleshoe. Water levels, in feet above or below measuring point, 1941: Mar. 10, -3.5; July 31, +3.77; Nov. 1, +5.42.

151A. No measurements made in 1941.

201-A. Halsell Land and Cattle Company. NW¼ lab. 19, lge. 189, Ector County School Land, 5 miles south and 1.5 miles west from Muleshoe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	41.06	Mar. 21	41.10	July 30	37.92	Oct. 21	37.97
Feb. 3	40.96	May 4	41.27	Aug. 6	37.90	28	37.92
11	40.91	11	41.36	10	37.93	Nov. 3	38.10
18	40.90	30	40.42	16	37.89	10	37.98
24	40.98	June 6	39.67	Oct. 14	38.01	17	37.77
Mar. 3	40.99	July 22	37.92				

205. W. A. Mathis. NW¼ lab. 6, lge. 191, 6 miles south of Muleshoe. Water level, in feet below measuring point, 1941: Nov. 3, 50.87.

207. Whittington. SE¼ lab. 22, lge. 188, 8 miles south of Muleshoe. Water level, in feet below measuring point, 1941: Nov. 3, 93.97.

322. No measurements made in 1941.

324A. Foard County School Land. NW¼ lab. 15, lge. 192, 9 miles south of Muleshoe. Water levels, in feet below measuring point, 1941: Mar. 21, 100.85; Nov. 3, 100.90.

430. K. C. Moser. SW cor. NW¼ sec. 15, lge. 107, 13 miles south of Baileyboro. Water levels, in feet below measuring point, 1941: Mar. 21, 83.98; Nov. 3, 79.37.

435. I. C. Enochs. SE¼ lab. 69, lge. 182, 9 miles southeast of Baileyboro. Water levels, in feet below measuring point, 1941: Mar. 21, 28.16; Nov. 12, 23.45.

Bastrop County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

1. Cottonwood Colored School. On southwest side of U. S. Highway 290, 1.8 miles southeast of county line, 12.6 miles northwest of Bastrop. Water level, in feet below measuring point, 1941: June 2, 8.99.

2. Ben Clayton. Near small one-story frame house, 0.05 mile south of U. S. Highway 290, 6 miles west-northwest of Bastrop. Water level, in feet below measuring point, 1941: June 2, 5.89.

3. J. K. Young. Thirty feet west of cattle guard on west side of local road, 0.05 mile south of U. S. Highway 290, 2.8 miles west of Bastrop. Water level, in feet below measuring point, 1941: June 2, 24.80.

Bastrop County--Continued.

4. No measurements made in 1941.

7. Wesley McPhaul. In valley, 80 feet south of U. S. Highway 290, 10 miles east of Bastrop. Water level, in feet below measuring point, 1941: June 2, 5.56.

8. Max Schlinder. Fifteen feet west of frame garage, 120 feet north of U. S. Highway 290, 2.55 miles east of railroad station at Paige. Water level, in feet below measuring point, 1941: June 2, 64.75.

9. Paul Saegert. On west side of lane, 0.4 mile south of U. S. Highway 290, 2.8 miles east of Paige. Water level, in feet below measuring point, 1941: June 2, 117.70.

Bexar County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

15. Robert Mechler. Six miles east of Castroville. Water levels, in feet below measuring point, 1941: Jan. 20, 126.82; May 28, 108.01; Aug. 7, 114.19; Nov. 12, 111.82.

26. Fuller's Earth Plant. South side of U. S. Highway 290, 13.5 miles west of San Antonio. Water levels, in feet below measuring point, 1941: Jan. 20, 110.96; May 26, 93.23; Aug. 7, 99.73; Nov. 14, 97.72.

28. Robert Boenig. South side of U. S. Highway 290, 8 miles west of San Antonio. Water levels, in feet below measuring point, 1941: Jan. 20, 69.57; May 28, 53.32; Aug. 7, 59.60; Nov. 12, 57.96.

XB-1. Oscar Schievelhein. Eleven miles west of post office at San Antonio. Water levels, in feet below measuring point, 1941: Jan. 20, 124.59; May 28, 108.07; Aug. 7, 114.35; Nov. 12, 112.56.

XB-2. Oscar Bippert. South side of U. S. Highway 90, 18 miles west of post office at San Antonio. Water levels, in feet below measuring point, 1941: Jan. 20, 78.49; May 28, 59.90; Aug. 7, 66.10; Nov. 12, 63.72.

XB-3. Beitel Church. On north side of U. S. Highway 81, 7.9 miles northeast of post office at San Antonio.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 23	57.43	May 29	44.63	Nov. 14	48.94
Mar. 25	49.65	Aug. 7	50.12		

XB-4. Simon & Borgfield. At west end of Converse gin, in Converse. Water levels, in feet below measuring point, 1941: Jan. 23, 44.03; May 29, 31.35; Aug. 8, 36.50.

436. Beverly Lodges. At Beverly Lodges tourist court in northeast part of San Antonio.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.57	55.49	49.61	47.17	43.95	43.26	44.88	48.50	50.05	47.80	46.23	46.32
2	53.68	52.92	49.54	47.23	43.67	43.17	45.12	48.69	50.13	47.70	46.25	46.44
3	53.83	51.52	49.60	47.24	43.14	43.36	45.39	48.62	50.59	47.70	46.15	46.50
4	53.98	50.81	49.72	47.38	42.59	43.39	45.51	48.31	50.70	47.17	46.23	46.54
5	53.99	50.26	49.76	47.50	42.19	43.43	45.54	48.62	50.90	46.05	46.33	46.58
6	54.03	49.79	49.66	47.52	41.91	43.47	45.61	48.50	51.10	45.63	46.46	46.85
7	54.24	49.59	49.72	47.41	41.70	43.51	46.60	48.44	50.85	45.55	46.55	46.82
8	54.44	49.50	49.78	47.42	41.66	43.49	46.01	48.17	49.96	45.57	46.66	46.70
9	54.63	49.30	49.73	47.44	41.60	43.44	46.29	48.16	50.50	45.57	46.58	46.64
10	54.76	49.09	49.67	47.62	41.67	43.66	46.53	48.26	49.71	45.62	46.42	46.72
11	54.83	49.17	49.87	47.68	41.68	43.71	46.45	48.04	49.52	45.57	46.59	46.58
12	54.81	49.05	49.97	47.82	41.60	43.84	46.10	48.45	49.27	45.55	46.66	46.52

Bexar County--Continued.

436. Beverly Lodges.--Continued

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	54.74	49.00	50.25	47.59	41.72	43.88	46.16	48.70	49.52	45.56	46.70	46.56
14	54.66	49.19	50.24	47.49	41.85	43.99	46.11	48.78	49.72	45.63	46.76	46.62
15	54.69	49.24	50.16	47.57	42.11	44.17	46.15	48.77	49.54	45.75	46.85	46.49
16	54.81	49.21	50.13	47.58	42.27	44.08	46.21	48.89	49.36	45.94	46.66	46.54
17	54.96	49.12	50.15	47.62	42.49	44.01	46.35	48.73	49.52	45.84	46.50	46.57
18	55.17	49.23	49.95	47.79	42.64	44.04	46.42	48.50	48.50	46.10	46.63	46.61
19	55.32	49.30	49.32	47.92	42.45	44.15	46.64	48.97	48.08	46.16	46.63	46.68
20	55.25	49.40	48.82	48.17	42.71	44.27	46.74	49.05	47.90	46.15	46.71	46.78
21	55.30	49.55	48.52	48.17	43.05	44.50	46.61	49.08	47.75	47.13	46.63	46.73
22	55.40	49.67	48.33	48.14	42.75	44.50	46.99	49.20	47.62	47.41	46.43	46.52
23	55.49	49.61	47.12	48.20	42.77	44.41	47.29	49.36	47.60	47.62	46.46	46.67
24	55.63	49.58	47.88	48.41	42.70	44.72	47.41	49.40	47.59	47.58	46.45	46.70
25	55.72	49.48	47.75	48.58	42.70	44.99	47.60	49.02	48.50	47.51	46.49	46.71
26	55.77	49.47	47.67	48.70	42.64	45.05	47.60	49.34	48.20	47.42	46.48	46.68
27	55.80	49.64	47.55	48.66	42.80	44.92	47.74	49.87	48.27	47.31	46.43	46.80
28	55.75	49.62	47.57	46.88	42.81	44.71	47.59	50.00	48.19	46.86	46.42	46.92
29	55.68	.....	47.54	45.10	43.00	44.66	48.08	50.39	48.08	46.69	46.42	46.84
30	55.67	.....	47.29	44.31	43.01	44.59	48.22	50.59	47.95	46.40	46.44	46.83
31	55.74	.....	47.14		43.13	.....	48.37	50.15	.....	46.38	.....	46.89

Brazos County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

7. W. H. Hanover. North side of "Old San Antonio Road", 11.8 miles northeast of Benchley. Water level, in feet below measuring point, 1941: June 2, 27.60.

9. Grant McDonald. On south side of "Old San Antonio Road", 1.85 miles west of Navasota River bridge. Water level, in feet below measuring point, 1941: June 2, 21.26.

Brooks County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886 and 909.

202. E. C. Lasater Estate. Four miles west-northwest of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 37.34.

254. E. G. Maun. Two and one-half miles northwest of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 16.77.

266. Mrs. B. M. McCullar. Two miles northwest of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 19.03.

270. J. W. Story. One mile northwest of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 21.65.

273. George Franks. One and one-half miles west of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 16.68.

323. R. D. Donahoe. One mile southwest of center of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 17.35.

324. L. O. Atkinson. One mile south of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 18.04.

333. A. L. Brochet. One mile south of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 17.02.

334. Measurements discontinued.

336. Measurements discontinued.

337. Mrs. J. S. Donahue. One and one-half miles south of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 12.44.

Brooks County--Continued.

340. Dr. H. M. Bennett. Two miles south of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 8, 7.37.

390. Southern Pacific Railway. South of railway station in Falfurrias. Water level, in feet below measuring point, 1941: Feb. 4, 15.11.

397. J. W. Dale. Two miles east of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 21.65.

405. A. Rupp. Five miles east of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 24.66.

474. A. Rupp. Five and one-half miles east-southeast of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 21.68.

504. Neal Rupp. Five and one-half miles east-southeast of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 24.23.

505. Neal Rupp. Five and one-half miles east-southeast of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 26.99.

821. Garcia Ramos. Twelve miles west-northwest of Rachal. Water level, in feet below measuring point, 1941: Feb. 7, 68.32.

822. Garcia Ramos. Twelve miles west of Rachal. Water level, in feet below measuring point, 1941: Feb. 7, 59.38.

865. Florencio Rodriguez. Four and one-half miles west of Rachal. Water level, in feet below measuring point, 1941: Feb. 7, 78.12.

872. No measurements made in 1941.

874. Matilde Martinez. Seven and three-quarters miles west of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 7, 45.43.

882. E. Villareal. Five miles west of Rachal. Water level, in feet below measuring point, 1941: Feb. 7, 86.60.

885. Juan Longoria. Four and one-half miles west of Rachal. Water level, in feet below measuring point, 1941: Feb. 7, 66.39.

918. Measurements discontinued.

920. Prospero Mangel, Jr. West side of highway, Encino settlement. Water level, in feet below measuring point, 1941: Feb. 7, 42.84.

921. Nicolas Cantu. East side of highway, Encino settlement. Water level, in feet below measuring point, 1941: Feb. 7, 45.22.

Burleson County

Well numbers correspond to those in Water-Supply Papers 845, 886 and 909.

42. No measurements made in 1941.

43. No measurements made in 1941.

48. Otto Benndt. State Highway 36, 1 mile north of Caldwell. Water level, in feet below measuring point, 1941: June 2, 28.47.

71. A. R. Richardson. Seventy-two feet east of old State Highway 36, 2.5 miles north of Chriesman. Water level, in feet below measuring point, 1941: June 2, 56.71.

75. L. Kornegay. Fifteen-hundredths mile north from crossroads in Chriesman, 7 miles northwest of Caldwell. Water level, in feet below measuring point, 1941: June 2, 44.71.

114. Joe Veiss. About 1.25 miles southwest of Caldwell. Water level, in feet below measuring point, 1941: June 2, 8.46.

211. No measurements made in 1941.

Carson County

No measurements made in Carson County in 1941.

Castro County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

4. No measurements made in 1941.

8. S. P. Rosson. NW cor. SW¼NW¼ sec. 125, blk. M-7, 4.5 miles southeast of Summerfield. Water levels, in feet below measuring point, 1941: Jan. 28, 75.84; Dec. 22, 73.71.

12. L. B. Holland. SW cor. SW¼NW¼ sec. 128, blk. M-7, 3.75 miles east of Summerfield. Water levels, in feet below measuring point, 1941: Jan. 28, 102.73; Mar. 5, 102.95.

18. Frio Public School. NE cor. NE¼ sec. 118, blk. M-7, 11.5 miles northwest of Dimmitt. Water level, in feet below measuring point, 1941: Dec. 22, 69.18.

20. A. C. Hawks. NW cor. NW¼NE¼ sec. 97, blk. M-7, 8.0 miles east of Summerfield and 1.7 miles southeast of Frio Public School. Water levels, in feet below measuring point, 1941: Jan. 28, 75.57; Mar. 5, 75.20.

31. T. L. Sparkman, Jr. NW cor. SE¼SW¼ sec. 74, blk. M-7, 3.0 miles south of Castro-Deaf Smith County line, 1.75 miles west of State Highway 51. Water levels, in feet below measuring point, 1941: Jan. 28, 65.26; Dec. 22, 62.39.

32. W. A. Springer. SW¼NW¼NW¼ sec. 81, blk. M-7, 8.0 miles east of Summerfield and 2.0 miles east of Frio Public School. Water levels, in feet below measuring point, 1941: Jan. 28, 66.23; Mar. 5, 66.04; Dec. 22, 64.24.

36. M. C. Hancock. SW¼NE¼ sec. 72, blk. M-7, 12 miles north of Dimmitt. Water levels, in feet below measuring point, 1941: Jan. 28, 87.62; Mar. 5, 87.89; Dec. 22, 85.96.

40. W. W. Adams. NW¼SW¼ sec. 51, blk. M-7, 10 miles north of Dimmitt. Water levels, in feet below measuring point, 1941: Jan. 28, 67.25; Mar. 5, 67.02; Dec. 22, 66.66.

46. Edwin Mauk. SW cor. SW¼ sec. 54, blk. M-7, 7 miles north of Dimmitt. Water levels, in feet below measuring point, 1941: Jan. 28, 77.27; Mar. 5, 77.13; July 26, 77.46; Dec. 22, 76.95.

48. J. M. Richardson. NW cor. NW¼ sec. 30, blk. M-7, 13.2 miles east of Summerfield. Water levels, in feet below measuring point, 1941: Jan. 28, 67.43; Mar. 5, 65.88; Dec. 22, 63.20.

52. C. G. Maples. NW¼NE¼ sec. 1, blk. M-10A, 6.5 miles north of Dimmitt. Water levels, in feet below measuring point, 1941: Jan. 28, 81.04; Mar. 5, 79.57; Dec. 22, 75.20.

53. W. A. Hunter. SW cor. SW¼NW¼ sec. 52, blk. M-7, 11.0 miles east of Summerfield. Water levels, in feet below measuring point, 1941: Jan. 28, 63.10; Mar. 5, 62.69; July 26, 62.05.

57. E. S. Ireland. SE¼SW¼SE¼ sec. 33, blk. M-7, 6 miles north of Dimmitt. Water levels, in feet below measuring point, 1941: Jan. 28, 79.53; Mar. 5, 79.50; Dec. 22, 78.27.

58. SW¼SW¼ sec. 2, J. E. Tucker subd., 2 miles northeast of Dimmitt. Water levels, in feet below measuring point, 1941: Jan. 28, 154.11; Mar. 5, 154.07; July 26, 154.13; Dec. 22, 153.99.

201. NW¼NE¼ sec. 339, blk. M-6, 6.5 miles east of Dimmitt. Water levels, in feet below measuring point, 1941: Mar. 7, 153.03; Dec. 22, 153.

202. Frank Huseman. SW¼SE¼SW¼ sec. 222, blk. M-6, 11 miles east of Dimmitt. Water level, in feet below measuring point, 1941: Mar. 7, 105.51.

Cherokee County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

22. No measurements made in 1941.

27. No measurements made in 1941.

158. No measurements made in 1941.

159. No measurements made in 1941.

179. No measurements made in 1941.

186. No measurements made in 1941.

365. No measurements made in 1941.

418. No measurements made in 1941.

502. Texas State Forest well 3. About 300 feet east of forester's residence. Twelve and one-half miles west of Rusk on U. S. Highway 84. Unused drilled CCC camp well, diameter 6 inches, depth 1,420 feet, water-bearing bed at about 500 feet. Measuring point, top of casing, 1.5 feet above land surface. Water level, in feet below measuring point, 1941: June 16, 128.84.

622. No measurements made in 1941.

657. No measurements made in 1941.

658. No measurements made in 1941.

690. No measurements made in 1941.

694. No measurements made in 1941.

707. No measurements made in 1941.

Cochran County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

1. Beck Gin Company. Northeastern edge of Whiteface. Water level, in feet below measuring point, 1941: Mar. 21, 151.53.

5. Dave Linder. Fifteen-hundredths mile south of State Highway 24, 7.9 miles northwest of Whiteface. Water level, in feet below measuring point, 1941: Mar. 21, 126.50.

10. Five miles north of Morton, NW¼SE¼ sec. 30, lge. 105. Water level, in feet below measuring point, 1941: Nov. 14, 94.84.

11. No measurements made in 1941.

Comal County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

117. Alfred Beierle. Elias Flint survey, 3.5 miles southeast of Spring Branch. Water level, in feet below measuring point, 1941: Jan. 18, 131.77.

118. Henry Jonas Estate. A. H. Jonas survey 78, 3 miles northwest of Smithson Valley. Water levels, in feet below measuring point, 1941: Jan. 24, 93.46; Mar. 25, 93.41; May 22, 92.88; Nov. 18, 93.46.

119. John Stricker. Four miles southeast of Spring Branch. Water levels, in feet below measuring point, 1941: Jan. 24, 174.14; Mar. 25, 172.47; May 22, 167.38; Nov. 18, 163.12.

120. S. L. Gill. William Strawn survey 74, 2 miles south of Spring Branch. Water levels, in feet below measuring point, 1941: May 22, 67.83; Nov. 18, 75.95.

127. Measurements discontinued.

Comal County--Continued.

131. J. J. Arrechea. Theo. Hanz survey 725, 5.5 miles south of Spring Branch. Water levels, in feet below measuring point, 1941: Jan. 24, 120.73; Mar. 25, 117.50; Nov. 18, 111.30.

155. George Fronne. Aga. Hara survey, 6 miles north of Bulverde. Water level, in feet below measuring point, 1941: Jan. 29, 116.53.

162. O. A. Doeppenschmidt. Nine miles east of Bulverde. Water levels, in feet below measuring point, 1941: Jan. 29, 138.99; Mar. 25, 132.71; May 22, 133.40; Nov. 18, 138.80.

171. Mrs. Mattie Shelburne. C. George survey, 3 miles northeast of Bulverde. Water levels, in feet below measuring point, 1941: Jan. 24, 238.06; Mar. 25, 227.10; May 22, 204.50; Nov. 19, 226.96.

183. No measurements made in 1941.

184. Charles Willig. A. Gayton survey 194, 1.5 miles east of Bulverde. Water levels, in feet below measuring point, 1941: Jan. 29, 299.35; Mar. 25, 84.28; May 22, 61.47.

193. W. B. Ethridge. Anna Vecker survey 678, 5.5 miles east of Bulverde. Water levels, in feet below measuring point, 1941: Jan. 24, 201.31; Mar. 25, 80.06; May 22, 49.50; Nov. 19, 180.23.

195. No measurements made in 1941.

221. Albert Simon. Juan M. de Veramendi survey, 4 miles north of New Braunfels. Water level, in feet below measuring point, 1941: Aug. 15, 162.33.

222. William Kraft. Juan M. de Veramendi survey, 4 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1941: Jan. 24, 182.00; Mar. 28, 178.93; May 23, 173.03; Nov. 19, 174.91.

223. Albert Kraft. I. Miller survey 266, 4.5 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1941: Jan. 29, 213.89; Aug. 15, 203.95; Nov. 18, 205.65.

225. W. H. Harborth Estate. E. Hernandez survey, 4 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1941: Jan. 29, 182.21; Mar. 28, 179.37; May 23, 171.65; Aug. 15, 169.20; Nov. 18, 172.26.

226. Henry Heise. E. Hernandez survey 454, 5 miles north of New Braunfels. Water levels, in feet below measuring point, 1941: May 23, 237.39; Aug. 15, 237.14.

232. A. J. Caldwell. H. Adams survey 652, 8 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1941: Jan. 24, 175.56; Mar. 25, 170.94; May 22, 168.59; Nov. 18, 177.76.

263a. Alfred Kappelmacher. At junction at Bulverde and State Highway 46, 3.75 miles northwest of New Braunfels.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 14	223.92	Aug. 28	224.38	Sept.11	224.87	Sept.25	225.33
15	223.96	29	224.42	12	224.87	26	225.39
16	223.99	30	224.45	13	224.89	27	225.41
17	224.00	31	224.48	14	224.92	28	225.45
18	224.03	Sept. 1	224.51	15	224.95	29	225.48
19	224.07	2	224.53	16	225.00	30	225.51
20	224.11	3	224.57	17	225.05	Oct. 1	225.52
21	224.13	4	224.62	18	225.09	2	225.55
22	224.17	5	224.64	19	225.12	3	225.58
23	224.19	6	224.67	20	225.15	4	225.56
24	224.22	7	224.69	21	225.18	5	225.40
25	224.26	8	224.72	22	225.22	6	225.37
26	224.28	9	224.77	23	225.23	7	225.36
27	224.34	10	224.84	24	225.25	8	225.35

Comal County--Continued.

263a. Alfred Kappelmacher--Continued

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 9	225.35	Oct. 30	225.84	Nov. 20	226.36	Dec. 11	227.36
10	225.36	31	225.89	21	226.40	12	227.41
11	225.37	Nov. 1	225.92	22	226.41	13	227.51
12	225.40	2	225.93	23	226.59	14	227.59
13	225.45	3	225.93	24	226.68	15	227.62
14	225.49	4	225.96	25	226.70	16	227.66
15	225.52	5	225.99	26	226.72	17	227.68
16	225.55	6	226.02	27	226.75	18	227.71
17	225.60	7	226.06	28	226.79	19	227.77
18	225.62	8	226.08	29	226.83	20	227.86
19	225.63	9	226.07	30	226.86	21	227.86
20	225.65	10	226.12	Dec. 1	226.88	22	227.86
21	225.68	11	226.16	2	226.94	23	227.95
22	225.70	12	226.18	3	227.00	24	227.99
23	225.74	13	226.18	4	226.99	25	228.01
24	225.76	14	226.22	5	227.09	26	228.18
25	225.77	15	226.23	6	227.24	27	228.24
26	225.77	16	226.23	7	227.24	28	228.33
27	225.80	17	226.25	8	227.29	29	228.35
28	225.85	18	226.27	9	227.29	30	228.33
29	225.85	19	226.28	10	227.32	31	228.32

271. Robert Raabe. One and one-half miles northeast of Gruene station. Water levels, in feet below measuring point, 1941: Jan. 24, 91.22; May 23, 85.83; Aug. 8, 86.56; Nov. 18, 88.48.

274. Charles Soechting. Three miles northeast of Gruene station. Water levels, in feet below measuring point, 1941: Jan. 24, 153.22; Mar. 27, 150.85; Nov. 18, 149.23.

278. Nancy Gruene. Two and one-half miles southwest of Hunter, 4.4 miles northeast of Thornhill school. Water levels, in feet below measuring point, 1941: Jan. 24, 149.80; Mar. 27, 147.16; May 23, 142.96; Nov. 18, 146.47.

291. Oscar Preiss. One and one-tenth miles southeast of Thornhill school.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 24	54.91	May 23	50.62	Nov. 14	52.56
Mar. 28	53.33	Aug. 8	51.59		

326. William Schaeffer. Three and one-half miles southwest of Solms.

Water level, in feet below measuring point, 1941

Jan. 29	37.74	May 23	28.48	Nov. 14	31.50
Mar. 25	33.03	Aug. 7	31.62		

336. A. W. Feich. One and one-half miles southwest of Solms.

Water level, in feet below measuring point, 1941

Jan. 29	86.11	May 23	78.88	Nov. 14	80.51
Mar. 25	82.52	Aug. 7	80.46		

373. L. Jentsch. One mile east of Solms.

Water level, in feet below measuring point, 1941

Jan. 29	25.95	May 23	18.83	Nov. 14	21.31
Mar. 25	22.89	Aug. 11	21.26		

397. Measurements discontinued.

Comal County--Continued.

399. John Karback. One and thirty-five hundredths miles north of Gruene.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 29	174.65	May 23	168.13	Nov. 19	170.92
Mar. 27	172.60	Aug. 8	168.98		

Crosby County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

1. No measurements made in 1941.

2. No measurements made in 1941.

3. New Home School. Three and eighty-five hundredths miles south of Cone. Water level, in feet below measuring point, 1941: July 22,135.89.

4. Six and seventy-five hundredths miles south of Cone. Water level, in feet below measuring point, 1941: July 22, 120.35.

5. Measurements discontinued.

6. No measurements made in 1941.

7. In Ralls. Water level, in feet below measuring point, 1941: July 29, 95.80.

8. No measurements made in 1941.

9. East edge of Lorenzo. Water level, in feet below measuring point, 1941: July 29, 80.60.

337. No measurements made in 1941.

338. No measurements made in 1941.

Dallam County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

11a. Dewey Decker. NW cor. SW¼ sec. 4, blk. 2, 8 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	47.75	Apr. 4	46.60	July 23	45.35	Sept.26	45.00
Feb. 5	47.34	May 8	46.63	Aug. 21	45.98	Nov. 18	45.15
Mar. 6	47.25	June 5	46.27				

16. No measurements made in 1941.

16a. M. E. Hay. SW cor. SE¼SE¼ sec. 71, M. E. Hay subd., 6.5 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Jan. 9	34.75	Apr. 4	34.80	July 11	34.17	Sept.26	37.62
Feb. 5	34.60	May 8	34.70	Aug. 21	42.90	Nov. 18	34.20
Mar. 6	34.71	June 3	34.49				

20. No measurements made in 1941.

a Measurements made by the United States Department of Agriculture, Soil Conservation Service.

Dallam County--Continued.

20a. Shamberger. NE cor. SE¼SE¼ sec. 68, M. E. Hay subd., 4 miles northeast of Texline.

Water level, in feet below measuring point, 1941 a/

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	51.80	Apr. 4	51.80	July 11	51.42	Sept.26	50.95
Feb. 5	51.75	May 8	51.73	Aug. 21	50.55	Nov. 18	50.95
Mar. 6	51.73	June 5	51.65				

21. Mrs. S. H. Madden. SW cor. NW¼NW¼ sec. 70, M. E. Hay subd., 5 miles east of Texline. Water level, in feet below measuring point, 1941: Dec. 3, 66.44.

36a. Art Decker. NW¼SW¼ sec. 1, blk. 2, 8.5 miles northeast of Texline. Water levels, in feet below measuring point, 1941: Jan. 9, 41.85; Feb. 5, 41.45.

40. No measurements made in 1941.

42. T. L. Thompson. SW cor. sec. 5, blk. 3, 12.5 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Jan. 9	12.25	Apr. 4	(b)	July 23	7.60	Sept.26	8.92
Feb. 5	12.00	May 8	8.71	Aug. 21	8.20	Nov. 18	(b)
Mar. 6	11.72	June 5	6.42				

49. No measurements made in 1941.

52. No measurements made in 1941.

57. Dr. O. Powell. SW cor. SE¼ sec. 8, F. D. W. subd., blk. 4, 10 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Jan. 9	19.90	Apr. 4	19.50	July 23	17.48	Sept.26	17.60
Feb. 5	19.70	May 8	19.35	Aug. 21	18.00	Nov. 18	17.09
Mar. 6	19.62	June 5	18.57				

59. Measurements discontinued.

60. Draper School. NW¼NE¼ sec. 2, F. D. W. subd., blk. 4, 11.5 miles northeast of Texline.

Water level, in feet below measuring point, 1941 a/

Jan. 9	71.85	Apr. 4	71.90	July 23	71.48	Sept.26	70.75
Feb. 5	71.85	May 8	71.92	Aug. 21	73.08	Nov. 18	70.27
Mar. 6	71.85	June 5	71.68				

61. Burrows & Son. NW cor. sec. 7, F. D. W. subd., blk. 4, 10.5 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Jan. 9	26.13	Mar. 6	26.12	May 8	25.98	July 23	24.23
Feb. 5	26.15	Apr. 4	26.11	June 5	25.48	Nov. 18	23.90

67a. A. R. Pope. NE cor. sec. 4, F. D. W. subd., blk. 4, 13 miles east of Texline. Water levels, in feet below measuring point, 1941: Jan. 9, 18.25; Feb. 5, 18.08; Mar. 6, 17.65; Apr. 4, 17.65.

72. W. L. Cotton. NE¼NE¼ sec. 1, F. D. W. subd., blk. 5, 8 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Jan. 9	36.95	Apr. 4	36.55	July 23	34.70	Sept.26	36.85
Feb. 5	36.82	May 8	35.15	Aug. 21	37.62	Nov. 18	34.84
Mar. 6	36.62	June 5	35.03				

a Measurements made by the United States Department of Agriculture, Soil Conservation Service.
b Pumping.

Dallam County--Continued.

73. Martin Sewell. NE¼NW¼ sec. 1, F. D. W. subd., blk. 5, 7.5 miles east of Texline.

Water level, in feet below measuring point, 1941 a/

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	40.4	Apr. 4	39.75	July 23	38.92	Sept.26	38.95
Feb. 5	39.88	May 8	39.60	Aug. 21	38.92	Nov. 18	38.33
Mar. 6	39.80	June 5	39.34				

122. Measurements discontinued.

126. Measurements discontinued.

130. I. I. Regier. SE¼SW¼ sec. 17, C. S. S. subd., blk. 17, 18 miles east of Texline. Water level, in feet below measuring point, 1941: Dec. 4, 15.58.

152. C. O. Hawk. NW cor. sec. 57, blk. 8, 16.5 miles southeast of Texline. Water level, in feet below measuring point, 1941: Dec. 3, 241.35.

158. No measurements made in 1941.

158a. Measurements discontinued.

159. L. E. Paige. SE cor. NE¼ sec. 83, C. S. S. subd., blk. 7, 3.25 miles southeast of Texline. Water level, in feet below measuring point, 1941: Dec. 3, 63.21.

234. No measurements made in 1941.

241. J. F. Shellenberg. NW cor. sec. 30, C. S. S. subd., blk. 18, 26.5 miles north of Dalhart. Water level, in feet below measuring point, 1941: Dec. 4, 51.89.

289. Measurements discontinued.

319. Measurements discontinued.

376. Measurements discontinued.

377. No measurements made in 1941.

384. O. F. Salasky. SW¼SW¼ sec. 31, B. & B. subd., blk. 2, 5.5 miles west of Dalhart. Water level, in feet below measuring point, 1941: Dec. 3, 199.80.

386. No measurements made in 1941.

Dawson County

No measurements made in Dawson County in 1941.

Deaf Smith County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

54. Measurements discontinued.

113. A. S. Higgins. NW cor. NW¼NW¼ sec. 58, blk. K-4, 12.5 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 99.01; Mar. 6, 99.05.

127. Federal Life Insurance Co. SE¼SE¼ sec. 36, blk. 7, 18 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Mar. 6, 74.65; Dec. 23, 73.59.

128. M. H. Byrum. SW¼SE¼ sec. 36, blk. 7, 18 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Mar. 6, 25.76; Dec. 23, 23.74.

a Measurements made by the United States Department of Agriculture, Soil Conservation Service.

Deaf Smith County--Continued.

150. D. Thompson. SE¼SE¼ sec. 79, blk. K-4, 10.5 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 98.37; Mar. 6, 98.33; July 26, 98.11; Dec. 23, 97.72.

207. R. Schroeler. West line of NW¼SW¼ sec. 12, blk. K-3, 9 miles northeast of Hereford. Water level, in feet below measuring point, 1941: Mar. 6, 55.91.

212. Alfred May. NW cor. NE¼NW¼ sec. 16, blk. 3, 12 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 76.19; Mar. 6, 75.56.

216. H. H. Miller. SW cor. SE¼ sec. 14, blk. 3, 13 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 70.00; Mar. 6, 69.88.

217. W. E. Neal. SE¼NW¼ sec. 21, blk. 3, 13 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 95.21; Mar. 6, 93.01; Dec. 23, 89.17.

219. J. E. Manz. NE¼NW¼ sec. 11, blk. 3, 14 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 77.78; Mar. 6, 77.54; Dec. 23, 77.23.

220. C. T. Wimberley. SW cor. SW¼ sec. 22, blk. 3, 11.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 90.47; Mar. 6, 89.08.

224. M. H. Burum. SE cor. NE¼SE¼ sec. 25, blk. 3, 10 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 57.86; Mar. 6, 57.86; Dec. 23, 57.89.

226. J. B. Stoker. NW cor. NW¼NE¼ sec. 7, blk. K-3, 9 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 53.53; Mar. 6, 55.52; Dec. 23, 50.65.

230. E. C. Reineaur. NW cor. SW¼ sec. 6, blk. K-3, 7.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 49.98; Mar. 6, 49.64.

234. Sec. 534, excess acreage strip, 7.75 miles northeast of Hereford. Water level, in feet below measuring point, 1941: Mar. 6, 52.88.

235. W. G. Slagle. SW¼SE¼ sec. 5, blk. K-3, 7 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 55.15; Mar. 6, 54.55; Dec. 23, 50.61.

236. Western National Bank. SW cor. SW¼ sec. 5, blk. K-3, 6.4 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 49.26; Mar. 6, 49.01; Dec. 23, 47.05.

237. Western National Bank. NW cor. NW¼ sec. 5, blk. K-3, 7 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 46.80; Mar. 6, 46.77; Dec. 23, 45.83.

241. J. K. Estes. NW cor. NW¼NW¼ sec. 17, blk. K-3, 5.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 48.15; Mar. 6, 48.19.

242. Travis Damron. NW cor. SW¼ sec. 24, blk. K-3, 4.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 52.13; Mar. 6, 52.18; July 26, 52.20.

245. A. D. Smith. SW cor. NW¼NW¼ sec. 25, blk. K-3, 5.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Mar. 6, 47.50; July 26, 46.75; Dec. 23, 47.10.

247. NE¼NE¼ sec. 34, blk. K-3, 7.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 24.49; Mar. 6, 24.52; Dec. 23, 19.65.

248. NE¼NW¼ sec. 34, blk. K-3, 7 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 46.92; Mar. 6, 46.59, July 26, 45.85.

Deaf Smith County--Continued.

251. A. D. Thompson and Blakemore. NW cor. SW¼NW¼ sec. 47, blk. K-3, 6.5 miles north of Hereford; the most southwesterly of three wells. Water levels, in feet below measuring point, 1941: Jan. 29, 51.93; Mar. 6, 51.86; Dec. 23, 51.09.

258. Dr. G. W. Heard. SW cor., NE¼ sec. 77, blk. K-3, 3 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 57.83; Mar. 6, 57.79.

261. D. L. McDonald. NW cor. NW¼NW¼ sec. 65, blk. K-3, 4 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 55.45; July 26, 55.60.

265. Reineaur Bros. NW cor. SE¼ sec. 74, blk. K-3, 6 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 67.75; Mar. 6, 67.42.

272. Empire Mortgage Company. SW cor. SE¼SW¼ sec. 86, blk. K-3, 5 miles northwest of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 75.21; Mar. 6, 74.63.

276. SW¼SW¼ sec. 69, blk. K-3, 7.5 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 40.50; Mar. 6, 40.08; May 31, 40.42; July 26, 39.56.

277. H. H. Myers. SE¼SE¼ sec. 72, blk. K-3, 7.5 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 25.63; Mar. 6, 25.93; July 26, 18.83; Dec. 23, 22.73.

281. P. H. Filbin. NW¼NW¼ sec. 96, blk. K-3, 5.5 miles northwest of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 73.90; Mar. 6, 70.18; Dec. 23, 68.63.

283. J. T. Gilbreath. North line of NW¼NE¼ sec. 133, blk. M-7, 3 miles west of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 67.10; Mar. 6, 66.75.

288. John W. Kropff. NW¼NW¼ sec. 63, blk. K-3, 2.5 miles north of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 69.05; Mar. 5, 68.06.

291. S. L. Harman. NW cor. NW¼ sec. 59, blk. K-3, 1 mile northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 58.09; Mar. 5, 58.03.

300. SW¼SW¼ sec. 43, blk. K-3, 2 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 50.38; Mar. 5, 50.34.

301. SE¼SE¼ sec. 43, blk. K-3, 2.6 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 49.55; Mar. 6, 49.50; July 26, 49.25.

302. J. L. Fuqua. NE¼SE¼ sec. 39, blk. K-3, 4 miles northeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 55.10; Jan. 29, 55.12; Mar. 6, 55.12; Dec. 23, 53.83.

308. Hereford State Park. NW cor. NE¼NE¼ sec. 60, blk. K-3, 1 mile northeast of Hereford.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 14	51.27	Mar. 5	51.13	Dec. 23	49.75
Jan. 28	51.25	July 26	49.84		

311. H. H. Boardman. SW cor. SE¼SW¼ sec. 41, blk. K-3, 2 miles east of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 53.64; Jan. 28, 53.42; Mar. 5, 52.93; July 26, 53.97.

315. C. P. Hussey. SW¼NE¼ sec. 67, blk. M-7, 3.5 miles east of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 58.93; Jan. 28, 58.81; Mar. 5, 58.38; July 26, 56.31.

Deaf Smith County--Continued.

317. L. Baskin. SW cor. SE¼SE¼ sec. 110, blk. M-7, 1.6 miles south of courthouse, in Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 67.87; Jan. 28, 67.84; July 26, 68.58.

319. Hooker Estate. SW cor. SE¼NE¼ sec. 79, blk. K-3, 1 mile northwest of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 62.94; Mar. 5, 62.98; July 26, 63.33.

322. Lloyd Edwards. SW cor. SE¼ sec. 112, blk. M-7, 2.5 miles south of Hereford.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 14	74.83	Mar. 5	74.83	Dec. 22	75.00
Jan. 28	74.83	July 26	74.88		

326. SW cor. SW¼SW¼ sec. 114, blk. M-7, 5 miles south of Hereford. Water level, in feet below measuring point, 1941: Jan. 28, 94.22.

331. M. C. Doss. SW cor. NW¼ sec. 107, blk. M-7, 4 miles south of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 83.05; Mar. 5, 82.93.

336. E. J. Boeskin. SW cor. NE¼ sec. 86, blk. M-7, 3.5 miles southeast of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 88.51; Jan. 28, 88.57; Mar. 5, 88.59.

340. Felix Urbanczyk. SW¼SW¼ sec. 108, blk. M-7, 3.75 miles south of Hereford. Water levels, in feet below measuring point, 1941: Jan. 28, 80.80; Mar. 5, 80.40.

342. Felix Urbanczyk. NE¼SE¼ sec. 108, blk. M-7, 3.5 miles south of Hereford. Water levels, in feet below measuring point, 1941: Jan. 14, 79.70; Mar. 5, 79.09; July 26, 78.50.

410. Measurements discontinued.

431. Mrs. M. Wooldridge. NE¼NE¼ sec. 152, blk. M-7, 4.5 miles southwest of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 72.33; Mar. 6, 72.23.

502. M. S. Tannahill. NW¼NW¼ sec. 50, blk. K-8, 8.5 miles west of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 100.36; Mar. 7, 99.82.

506. Alton Fraser. NW¼NW¼ sec. 5, Gregg County School Land, 9 miles west of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 80.48; Mar. 7, 78.92.

513. No measurements made in 1941.

519. J. G. Evans. SW¼SW¼ sec. 25, Gregg County School Land, 10 miles west of Hereford. Water levels, in feet below measuring point, 1941: Jan. 29, 86.78; Mar. 7, 86.79.

Dimmit County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886 and 909.

M9- 9. Meyers. Two and one-half miles southwest of Cometa. Water level, in feet below measuring point, 1941: Aug. 3, 86.31.

N7-25. Mrs. Ella Perrin. Four and one-quarter miles southeast of Cometa. Water level, in feet below measuring point, 1941: Aug. 3, 54.36.

N7-34. A. Johnson. Two miles northwest of Winter Haven. Water level, in feet below measuring point, 1941: Aug. 2, 35.10.

N7-48. H. Hagelstein. One mile east of Winter Haven. Water level, in feet below measuring point, 1941: Aug. 2, 35.11.

Dimmit County--Continued.

N7-78. C. Schmitt. Two miles northwest of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 3, 106.52.

N7-95. M. E. Cook. Three miles west of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 3, 74.72.

N7-125. J. Gardner. Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 3, 67.82.

N7-135. J. L. Bell. Two miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 3, 32.78.

N8-19. Hill and Morton. Two miles southeast of Winter Haven. Water level, in feet below measuring point, 1941: Aug. 2, 82.03.

N8-26. Charles Dunn. Four miles southeast of Winter Haven. Water level, in feet below measuring point, 1941: Aug. 2, 39.38.

N8-28. J. C. Brazil. Four miles southeast of Winter Haven. Water level, in feet below measuring point, 1941: Aug. 2, 39.34.

N8-29. Measurements discontinued.

N8-40. M. V. Kerley. Three miles northeast of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 2, 40.06.

N8-47. C. W. Miller. Two miles east of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 5, 86.66.

N8-50. R. H. Price. Three miles east of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 5, 58.67.

N8-58. G. & C. Hagelstein. Six miles northeast of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 5, 27.51.

N8-71. No measurements made in 1941.

N8-73. No measurements made in 1941.

N8-103. Nueces Land & Irrigation Company. Four miles southwest of Brundage. Water level, in feet below measuring point, 1941: Aug. 5, 11.90.

N9- 8. T. S. Buchanan. One and one-half miles north of Big Wells. Water level, in feet below measuring point, 1941: Aug. 5, 47.98.

N9-12. R. J. Rothe. One mile west of Big Wells. Water level, in feet below measuring point, 1941: Aug. 5, 10.15.

N9-16. No measurements made in 1941.

N9-25. No measurements made in 1941.

N9-32. P. J. Lewis. Two and one-half miles south of Big Wells. Water level, in feet below measuring point, 1941: Aug. 5, 18.75.

N9-33. P. J. Lewis. In county road, 2.5 miles south of Big Wells. Water level, in feet below measuring point, 1941: Aug. 5, 18.05.

O7- 3. Wimar-Richardson. Nine miles northwest of Big Wells. Water level, in feet below measuring point, 1941: Aug. 5, 94.64.

S1-15. South Texas Winter Gardens, Inc. Six miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 6, 56.79.

S1-16. C. W. Gilfillen and Son. Four and one-half miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 3, 60.07.

S1-18. South Texas Winter Gardens, Inc. Three and one-half miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 3, 107.29.

S2-24. L. V. Richardson. Five and one-half miles southeast of Carrizo Springs. Water level, in feet below measuring point, 1941: Aug. 4, 92.32.

Dimmit County--Continued.

S2-27. No measurements made in 1941.

S2-29. E. W. Tackett. Four miles northwest of Asherton. Water level, in feet below measuring point, 1941: Aug. 4, 68.55.

S2-78. J. W. Robinson. Two and one-half miles southwest of Asherton. Water level, in feet below measuring point, 1941: Aug. 4, 143.70.

S2-86. E. Hess. Four miles southeast of Asherton. Water level, in feet below measuring point, 1941: Aug. 4, 121.67.

S2-91. L. Zaunbrecher. Five miles south of Asherton. Water level, in feet below measuring point, 1941: Aug. 4, 136.10.

S2-94. A. J. Frey. Nine miles west of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 169.34.

S2-102. J. P. Giles. Four miles northwest of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 101.82.

S3-10. G. W. Taggert. Four and one-half miles northeast of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 65.09.

S3-16. Catarina Farms Company. Two and one-half miles west of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 125.59.

S5- 3. Ingram & Eckler. Six miles east of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 95.21.

S5- 5. Claude Lindley. Thirteen miles southwest of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 65.88.

S5-10. No measurements made in 1941.

S6- 4. O. V. Ray. One and one-half miles southeast of Catarina. Water level, in feet below measuring point, 1941: Aug. 4, 8.00.

T1- 5. Flecher. Two and one-quarter miles east of Valley Wells. Water level, in feet below measuring point, 1941: Aug. 5, 2.58.

Duval County

Well numbers correspond to those in Water-Supply Papers 776, 777, 840, 845, 886 and 909.

55. L. N. Garcia. Three and seven-tenths miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 52.47.

59. Candeladio Cuellar. Six miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 62.38.

61. Jose M. Sepulvida. Seven miles northwest of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 47.25.

68. Cantu Estate. Nine miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 60.32.

69. Juan Peralez. Nine miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 73.59.

70. M. Cantu. Ten and four-tenths miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 52.47.

71. Helena de Peña. Eleven and two-tenths miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 46.73.

72. Cecilio Valerio. Twelve miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 36.56.

73. Severo Ranjel. Eleven miles west of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 35.70.

143. Salidonia Ruiz. In Benavides. Water level, in feet below measuring point, 1941: Feb. 3, 39.52.

Duval County--Continued.

144. Pete Coronada. In Benavides. Water level, in feet below measuring point, 1941: Feb. 3, 40.99.

145. T. Ramirez. In Benavides. Water level, in feet below measuring point, 1941: Feb. 3, 41.71.

157. Francisco Vaello. Two and one-half miles southwest of Benavides. Water level, in feet below measuring point, 1941: Feb. 4, 92.21.

158. Marco Gomez. One and three-quarters miles southwest of Benavides. Water level, in feet below measuring point, 1941: Feb. 3, 96.21.

173. Ismael Garcia. Two and one-third miles east of Benavides. Water level, in feet below measuring point, 1941: Feb. 3, 52.83.

175. Mrs. Tom Cavenaugh. One mile east of Benavides. Water level, in feet below measuring point, 1941: Feb. 3, 47.48.

183. Lazaro Vela. Eight miles south of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 55.77.

184. Eusebio Alanis. Seven and one-half miles south-southwest of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 46.87.

185. Cervando Saenz. Ten miles south of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 36.33.

187. Ranchita Anjerlina. Ten and one-half miles south of San Diego. Water level, in feet below measuring point, 1941: Feb. 3, 43.99.

188. Encarnacion Peña. One mile north of San Jose. Water level, in feet below measuring point, 1941: Feb. 3, 76.25.

189. Pedro Lopez. At San Jose, 13 miles south of San Diego. Water level, in feet below measuring point, 1941: Feb. 4, 62.86.

190. Margarita Lopez. One half mile south of San Jose. Water level, in feet below measuring point, 1941: Feb. 4, 46.57.

201. Maria Villareal de Saenz. One and one-fourth miles north of Santa Cruz. Water level, in feet below measuring point, 1941: Feb. 4, 76.60.

203. N. E. Martinez. In Santa Cruz. Water level, in feet below measuring point, 1941: Feb. 4, 53.19.

204. Hilario Saenz. One mile south of Santa Cruz. Water level, in feet below measuring point, 1941: Feb. 4, 65.89.

207. Guadalupe Silva Salinas. Two miles east of Conception. Water level, in feet below measuring point, 1941: Feb. 4, 56.64.

209. W. S. Evans. In Conception. Water level, in feet below measuring point, 1941: Feb. 4, 42.14.

211. J. Perez. One and one-third miles north of Conception. Water level, in feet below measuring point, 1941: Feb. 3, 42.49.

230. San Antonio Loan and Trust Company. Three and one-half miles south of Realitos. Water level, in feet below measuring point, 1941: Feb. 4, 60.28.

240. Gus Minges. One and one-half miles northeast of Realitos. Water level, in feet below measuring point, 1941: Feb. 3, 94.90.

271. J. Mann. Five and one-half miles south-southeast of Realitos. Water level, in feet below measuring point, 1941: Feb. 4, 76.53.

276. Herman Damier. Ten and one-fourth miles south of Realitos. Water level, in feet below measuring point, 1941: Feb. 4, 39.99.

287. Virginia J. Ramidez. Four miles southwest of Conception. Water level, in feet below measuring point, 1941: Feb. 4, 50.01.

289. Adolfo Garcia. Three and one-fourth miles northeast of Sejita. Water level, in feet below measuring point, 1941: Feb. 4, 46.92.

Duval County--Continued.

290. Andalasia Garcia. Javelina pasture, 3 miles northeast of Sejita. Water level, in feet below measuring point, 1941: Feb. 4, 52.02.

292. Raphael Flores. One mile east of Sejita. Water level, in feet below measuring point, 1941: Feb. 4, 33.65.

297. San Antonio Loan and Trust Company. Six and one-half miles south-southeast of Sejita. Water level, in feet below measuring point, 1941: Feb. 4, 53.62.

301. Virginia Garcia. Five miles south of Conception. Water level, in feet below measuring point, 1941: Feb. 4, 53.37.

302. Rafael Garcia. Four and one-half miles south of Conception. Water level, in feet below measuring point, 1941: Feb. 4, 33.44.

304. Rafael Garcia. Three miles south of Conception. Water level, in feet below measuring point, 1941: Feb. 4, 54.74.

315. Reuben Shultz. Six and three-fourths miles south-southwest of Santa Cruz. Water level, in feet below measuring point, 1941: Feb. 4, 51.20.

319. San Antonio Loan and Trust Company. Five and one-fourth miles south-southeast of Santa Cruz. Water level, in feet below measuring point, 1941: Feb. 4, 29.00.

322. Santone Hinojosa. Three-fourths mile east of La Copita. Water level, in feet below measuring point, 1941: Feb. 4, 40.02.

Ector County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

68a. H. C. Barrow Estate. Seismograph test hole, 10.4 miles north of Odessa. Water level, in feet below measuring point, 1941: Dec. 16, 72.36.

73a. J. M. Gist. Seismograph test hole, NE¼SE¼ sec. 33, blk. 42, T. I. S., 7 miles north of Odessa. Water level, in feet below measuring point, 1941: Dec. 16, 29.30.

149. Odessa Cemetery. One-half mile southeast of Odessa County Courthouse. Water level, in feet below measuring point, 1941: Dec. 16, 45.76.

161. No measurements made in 1941.

El Paso County

By A. N. Sayre

6. El Paso Electric Co. well 2. Santa Fe and 4th Streets. Water levels, in feet above mean sea level, 1941: Jan. 11, 3,697.76; Feb. 11, 3,697.35; Mar. 11, 3,697.33; June 21, 3,698.89. Measurements discontinued.

7. El Paso Electric Co. well 1. Santa Fe and 4th Streets. Water levels, in feet above mean sea level, 1941: Jan. 11, 3,697.04; Feb. 11, 3,696.75; Mar. 11, 3,696.44; June 21, 3,697.94. Measurements discontinued.

8. El Paso Electric Co. well 4. Santa Fe and 4th Streets.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	3,692.95	June 21	3,691.78	Aug. 18	3,691.62	Oct. 21	3,692.46
Feb. 11	3,692.27	July 11	3,692.22	Sept.17	3,692.53	Nov. 17	3,692.73
Mar. 11	3,691.52						

9. El Paso Electric Co. well 3. Santa Fe and 4th Streets.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	3,697.03	June 21	3,698.13	Aug. 18	3,697.72	Oct. 21	3,698.48
Feb. 11	3,696.94	July 11	3,698.21	Sept.17	3,698.32	Nov. 17	3,698.56
Mar. 11	3,696.43						

El Paso County--Continued.

10. City of El Paso drainage well. Fourth and Oregon Streets. Measuring point from July 3, 1941, top of 20-inch casing, 0.25 foot below land surface and 3,707.60 feet above mean sea level.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	3,696.69	June 16	3,697.63	Aug. 20	3,696.27	Oct. 21	3,698.03
Feb. 11	3,696.88	July 11	3,697.63	Sept.17	3,697.76	Nov. 17	3,698.08
Mar. 11	3,696.20						

12. City of Juarez well 1. Municipal Market. Water levels, in feet above mean sea level, 1941; Jan. 23, 3,689.37; June 17, a/ 3,627.42.

13. City of Juarez well 2. Mariscal and Primera Streets. No measurements made in 1941.

18. City of Juarez well 3. Near Hipodromo. Water level, in feet above mean sea level, 1941: June 16, a/ 3,661.49.

19. El Paso Milling Co. Kansas and 11th Streets.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 11	3,693.08	Mar. 11	3,692.24	Sept.17	3,691.58
Feb. 11	3,692.77	June 16	3,690.07		

19a. El Paso Milling Co. well 1. On river bank near Kansas and 11th Streets. Diameter 8 inches, depth 60 feet. Measuring point, top of casing, 4 feet below land surface and 3,701.19 feet above mean sea level. Water level, Aug. 16, 1938, 2.50 feet below measuring point.

Water level, in feet above mean sea level, 1940-41

Mar. 18,1940	3,696.97	Sept.11,1940	3,696.92	Feb. 11,1941	3,696.70
Apr. 15	3,696.86	Oct. 15	3,696.95	Mar. 11	3,696.26
May 24	3,696.93	Nov. 18	3,696.58	June 16	3,697.05
June 24	3,696.87	Dec. 11	3,696.73	July 11	3,696.95
July 16	3,696.49	Jan. 11,1941	3,696.69	Sept.17	3,697.18
Aug. 14	3,697.11				

21. City of El Paso well 10. Campbell and 6th Streets.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	3,685.18	June 16	3,684.08	Aug. 18	3,683.84	Oct. 21	3,685.01
Feb. 11	3,685.05	July 11	3,678.95	Sept.17	3,684.36	Nov. 17	3,685.37
Mar. 11	3,684.72						

22. City of El Paso well 6. Second and Cotton Streets. Well plugged; no measurements made in 1941.

28. Acme Laundry, 905 E. Missouri Street.

Water level, in feet above mean sea level, 1941

Jan. 12	3,672.72	May 4	3,671.18	Aug. 30	3,670.92	Nov. 30	3,672.75
Feb. 9	3,672.39	June 22	3,667.42	Sept.20	3,671.69	Dec. 21	3,673.14
Mar. 9	3,671.96	July 20	3,666.07	Oct. 19	3,672.17		

29a. Consumer's Ice and Fuel Co. well 2. Cotton and Dallas Streets.

Water level, in feet above mean sea level, 1941

Jan. 11	3,667.94	June 19	3,655.79	Aug. 18	3,656.49	Oct. 21	3,667.18
Feb. 10	3,665.98	July 11	3,655.71	Sept.17	3,661.99	Nov. 17	3,665.46
Mar. 11	3,665.35						

a Pumping.

El Paso County--Continued.

30a. City of El Paso well 14. San Antonio and Walnut Streets.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	3,667.63	Mar. 13	a3,642.59	July 11	a3,639.23	Oct. 21	3,667.16
22	3,667.49	May 21	a3,638.89	Aug. 18	a3,638.44	Nov. 17	3,667.65
Feb. 11	3,666.00	June 16	a3,637.55	Sept.17	a3,642.15		

31. City of El Paso well 7. Lee and Magoffin Streets. Water level, in feet above mean sea level, 1941: Jan. 10, 3,692.91. Well plugged.

32a. City of El Paso well 17. San Antonio and Tornillo Streets.

Water level, in feet above mean sea level, 1941

Jan. 11	a3,639.47	Mar. 12	a3,637.79	July 11	a3,635.67	Oct. 21	a3,639.18
Feb. 11	a3,638.20	May 21	a3,635.03	Aug. 18	a3,633.07	Nov. 17	a3,639.90
Mar. 11	a3,638.81	June 16	a3,634.48	Sept.17	a3,637.44		

33. El Paso Foundry and Machine Co. Williams Street at International Boundary. Water level, in feet above mean sea level, 1941: Jan. 14, 3,691.79. Measurements discontinued.

36. Southern Pacific Ry. Piedras Street Shops.

Water level, in feet above mean sea level, 1941

Jan. 11	3,677.46	June 19	3,669.55	Aug. 18	3,671.70	Oct. 22	3,675.98
Feb. 10	3,675.67	July 16	3,671.68	Sept.17	3,673.17	Nov. 17	3,676.24
Mar. 11	3,673.64						

39. Midwest Dairies, Inc. Piedras and Oro Streets.

Water level, in feet above mean sea level, 1941

Jan. 11	3,671.04	June 25	3,655.64	Aug. 19	3,657.60	Oct. 22	3,666.54
Feb. 13	3,666.45	July 16	3,657.75	Sept.17	3,663.45	Nov. 17	3,669.79
Mar. 11	3,666.54						

40. City of El Paso well. Piedras and Hamilton Streets. No measurements made in 1941.

41. City of El Paso well 5. Morenci and Grama Streets. Water level, in feet above mean sea level, 1941: Jan. 11, 3,669.40. Well plugged; measurements discontinued.

42. City of El Paso well 9. Luna and Pera Streets. Water level, in feet above mean sea level, 1941: June 21, a/ 3,607.03.

44. Harry Mitchell Brewing Co. Travis and Frutas Streets.

Water level, in feet above mean sea level, 1941

Jan. 11	3,673.61	June 21	3,660.71	Aug. 30	3,662.07	Nov. 30	3,672.62
Feb. 10	3,672.89	21	3,662.33	Sept.20	3,666.97	Dec. 21	3,672.62
Mar. 11	3,667.93	July 20	3,661.54	Oct. 22	3,672.00		

48a. City of El Paso well 18. Hadlock Addition.

Water level, in feet above mean sea level, 1941

Jan. 14	a3,631.17	Mar. 11	3,669.31	June 16	a3,623.55	Sept.17	3,667.44
22	3,672.96	Apr. 16	3,666.34	July 9	a3,624.40	Oct. 21	3,672.30
Feb. 10	3,672.15	May 12	a3,625.09	Aug. 18	3,662.78	Nov. 17	3,672.89

48b. City of El Paso test well 33. Near Franklin Canal.

Water level, in feet above mean sea level, 1941

Jan. 14	3,673.89	Mar. 11	3,671.89	July 10	3,666.93	Oct. 21	3,674.15
22	3,674.03	Apr. 16	3,670.46	Aug. 18	3,667.20	Nov. 17	3,674.58
Feb. 10	3,673.43	June 19	3,666.19	Sept.17	3,671.03		

49. City of El Paso well 4. Montana well field.

Water level, in feet above mean sea level, 1941

Jan. 14	3,670.43	Mar. 10	3,664.82	July 10	a3,605.29	Oct. 22	3,669.42
22	3,671.06	Apr. 16	a3,606.03	Aug. 18	a3,606.26	Nov. 18	3,670.42
Feb. 10	3,670.05	June 16	a3,600.31	Sept.17	3,663.33		

a Pumping.

El Paso County--Continued.

50. City of El Paso well 1. Montana well field.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	3,670.82	Mar. 10	3,665.34	July 10	3,654.43	Oct. 22	3,668.65
22	3,670.80	Apr. 16	3,659.31	Aug. 18	3,657.83	Nov. 18	3,669.79
Feb. 10	3,669.95	June 18	3,653.36	Sept.17	3,663.64		

51. City of El Paso well 2. Montana well field.

Water level, in feet above mean sea level, 1941

Jan. 14	3,671.72	Apr. 16	3,656.96	Aug. 18	3,647.05	Nov. 18	3,670.65
22	3,671.86	June 18	3,650.56	Sept.17	3,664.23	Dec. 1	3,671.17
Feb. 10	3,671.08	July 10	3,653.20	Oct. 22	3,669.82	21	3,670.39
Mar. 10	3,663.77						

52. City of El Paso well 3. Montana well field.

Water level, in feet above mean sea level, 1941

Jan. 14	3,671.15	Mar. 5	a3,638.78	June 16	a3,629.51	Sept.17	3,663.99
22	3,671.20	10	a3,637.72	July 10	3,655.97	Oct. 22	3,669.20
Feb. 10	3,670.46	Apr. 16	a3,634.11	Aug. 18	3,659.21	Nov. 18	3,670.01

53. Loretto College. Clifton and Raynolds Streets.

Water level, in feet above mean sea level, 1941

Jan. 14	3,670.61	Mar. 10	3,664.56	July 10	3,655.05	Oct. 22	3,667.45
22	3,670.62	Apr. 16	3,660.09	Aug. 18	3,658.97	Nov. 18	3,668.70
Feb. 10	3,669.71	June 18	3,654.45	Sept.17	3,662.93		

55. Texas Co., 0.6 mile northeast of Ascarate.

Water level, in feet above mean sea level, 1941

Jan. 16	3,670.87	Apr. 24	3,665.62	Aug. 18	3,665.31	Oct. 24	3,669.21
Feb. 11	3,670.30	June 18	3,663.64	Sept.17	3,666.97	Nov. 17	3,670.56
Mar. 11	3,669.08	July 10	3,662.97				

64. City of El Paso and Geological Survey test well 1. Carlsbad Highway.

Water level, in feet above mean sea level, 1941

Jan. 14	3,680.76	June 18	3,680.28	Aug. 19	3,679.29	Oct. 15	3,682.68
Feb. 13	3,680.73	July 15	3,679.29	Sept.23	3,679.44	Nov. 18	3,679.50
Mar. 14	3,680.58						

67. Texas and New Orleans Ry. well 1. Near south entrance to Fort Bliss. Water levels, in feet above mean sea level, 1941: Jan. 16,3,668.11; Feb. 14, 3,667.74; Mar. 21, 3,666.62.

67b. Texas and New Orleans Ry. well 3. Near south entrance to Fort Bliss.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level
July 17	3,654.31	Sept.26	3,662.13	Nov. 19	3,665.04
Aug. 19	3,660.27	Nov. 1	3,664.24		

72. United States War Department, Fort Bliss well 2.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	3,663.75	June 26	3,650.60	Aug. 19	3,653.85	Oct. 15	3,656.80
Feb. 14	3,664.69	July 15	3,649.97	Sept.23	3,658.49	Nov. 18	3,660.39
Mar. 21	3,660.40						

75a. United States War Department, Fort Bliss well 6. Measurements discontinued.

a Pumping.

El Paso County--Continued.

75b. 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 above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3,669.82	Mar. 13	3,669.41	July 15	3,663.32	Oct. 15	3,666.95
23	3,669.92	May 19	3,666.90	Aug. 18	3,666.35	Nov. 18	3,667.16
Feb. 12	3,670.08	June 13	3,666.71	Sept.20	3,665.83	Dec. 1	3,669.21

75d. City of El Paso well 19. Airport Road, 0.6 mile south of Wilson Road.

Water level, in feet above mean sea level, 1941

Jan. 10	3,671.01	Mar. 10	3,669.36	June 16	(a)	Sept.23	a3,634.02
25	3,673.40	Apr. 3	a3,646.21	July 16	a3,633.01	Nov. 18	a3,635.06
Feb. 18	3,670.39	May 19	3,665.40	Aug. 19	3,668.80	Dec. 5	3,675.11

76. City of El Paso and Geological Survey test well 2. Near southeast corner of Biggs Field.

Water level, in feet above mean sea level, 1941

Jan. 10	3,680.24	Mar. 14	3,679.74	July 15	3,677.27	Oct. 15	3,675.70
27	3,681.20	Apr. 24	3,678.98	Aug. 19	3,678.05	Nov. 18	3,677.61
Feb. 13	3,680.98	June 18	3,678.05	Sept.25	3,676.70		

77. City of El Paso well 12. Mesa well field.

Water level, in feet above mean sea level, 1941

Mar. 27	a3,633.61	July 15	a3,633.69	Sept.23	a3,634.17	Nov. 18	a3,633.71
June 25	a3,633.69	Aug. 19	a3,633.69	Oct. 15	a3,633.78		

77b. City of El Paso well 15. Wilson and Airport Roads.

Water level, in feet above mean sea level, 1941

Jan. 13	3,676.19	Mar. 13	a3,644.04	July 16	a3,635.64	Oct. 18	3,667.99
25	3,676.96	27	a3,644.39	Aug. 19	a3,635.76	Nov. 12	3,667.72
Feb. 10	3,676.47	June 16	a3,640.78	Sept.23	3,668.68	Dec. 5	3,675.53
18	a3,645.44						

78. City of El Paso well 11. Mesa well field. Water levels, in feet above mean sea level, 1941: Jan. 13, 3,662.17; Jan. 25, 3,662.01; Feb. 10, 3,662.41; Mar. 13, 3,664.77.

78c. City of El Paso test well 4. One mile north of Mesa well field.

Water level, in feet above mean sea level, 1941

Jan. 13	3,679.34	May 4	3,679.24	Aug. 19	3,678.32	Oct. 15	3,680.18
Feb. 13	3,679.38	June 23	3,678.15	Sept.25	3,678.36	Nov. 19	3,678.42
Mar. 14	3,679.38	July 16	3,679.34				

79. City of El Paso well 8. Mesa well field.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level
Mar. 22	3,668.26	Aug. 19	a3,601.48	Oct. 22	a3,607.00
July 15	a3,600.91	Sept.23	a3,599.00	Nov. 18	3,664.36

82a. City of El Paso well 20. One mile north of Mesa well field. Diameter 24 inches, depth 967 feet. Measuring point, top of 3/8-inch brass pipe in pump base which is 3,875.58 feet above mean sea level. Water level, June 21, 1941, 206.48 feet below measuring point. Water levels, in feet above mean sea level, 1941: June 21, 3,667.75; Oct. 23, 3,673.69; Nov. 19, 3,673.58.

112. City of El Paso old Mesa well 32. Mesa well field

Water level, in feet above mean sea level, 1941

July 15	3,658.93	Sept.23	3,658.29	Nov. 18	3,666.42
Aug. 19	3,659.86	Oct. 15	3,662.49		

a Pumping.

El Paso County--Continued.

126. McElroy Packing Co. Near Southern Pacific Ry., 3.3 miles north of Wilson Road.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 10	3,689.87	Mar. 18	3,689.86	June 18	a 3,689.99
Feb. 13	3,689.55	Apr. 24	3,688.03		(b)

126a. City of El Paso test well 37, 2.5 miles east of well 126.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	3,689.89	Apr. 24	3,689.58	Aug. 20	3,689.49	Oct. 24	3,689.37
Feb. 13	3,690.25	June 18	3,689.56	Sept.25	3,689.54	Nov. 22	3,689.65
Mar. 14	3,689.94	July 15	3,689.56				

128b. City of El Paso well 21. Two miles north of Mesa well field. Diameter 24 inches, depth 850 feet. Measuring point, top of 3/8-inch brass pipe in pump base which is 3,881.42 feet above mean sea level. Water level, June 25, 1941, 197.44 feet below measuring point. Water levels, in feet above mean sea level, 1941: June 25, 3,682.98; Oct. 23, 3,683.44; Nov. 19, 3,683.67.

128c. El Paso city test well 23, 2.5 miles north of Mesa well field.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	3,688.03	Apr. 24	3,687.96	Aug. 20	3,687.73	Oct. 15	3,687.59
Feb. 13	3,688.27	June 18	3,688.04	Sept.25	3,687.76	Nov. 19	3,687.82
Mar. 18	3,688.08	July 15	3,687.76				

130. G. T. Cook. Sunrise Acres, 2.9 miles north of Wilson Road. New measuring point from June 19, 1941, top of coupling 0.23 foot above old measuring point and 3,937.84 feet above mean sea level.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3,689.27	May 4	3,689.38	Aug. 20	3,688.58	Oct. 22	3,688.60
Feb. 13	3,689.52	June 19	3,688.64	Sept.23	3,688.65	Nov. 19	3,688.59
Mar. 14	3,689.26	July 15	3,688.39				

136. City of El Paso and Geological Survey test well 3, 6.9 miles north of Wilson Road.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3,699.11	May 4	3,699.27	Aug. 20	3,698.96	Oct. 24	3,698.99
Feb. 13	3,699.35	June 19	3,699.04	Sept.25	3,699.15	Nov. 19	3,699.11
Mar. 14	3,699.11	July 18	3,698.98				

139a. El Paso city test well 29. Nine miles north of Mesa well field.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3,709.77	June 19	3,709.57	Aug. 21	3,706.94	Oct. 25	3,710.04
Feb. 13	3,709.71	July 18	3,709.84	Sept.25	3,708.59	Nov. 22	3,709.60
Mar. 14	3,709.66						

143a. El Paso city test well, 30.5 miles west of Newman, N. Mex.

Water level, in feet above mean sea level, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3,723.48	June 19	3,723.54	Aug. 21	3,725.32	Oct. 25	3,720.46
Feb. 13	3,723.26	July 18	3,723.37	Sept.25	3,723.47	Nov. 22	3,723.49
Mar. 14	3,723.54						

a Pumping.
b Measurements discontinued.

Floyd County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

5. M. C. Sheele. SW cor. SE¼ sec. 127, blk. D-2, 11 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 54.38; Mar. 11, 54.28; Oct. 16, 53.65.

14. Herman R. King. SW¼SW¼SE¼ sec. 5, blk. C-9, 10 miles north of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 64.00; Mar. 11, 64.12.

28. No measurements made in 1941.

32. Frank Whitfill. NW¼NW¼NE¼ sec. 12, blk. C-9, 9 miles north of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 91.32; Mar. 11, 91.02; Dec. 22, 91.80.

44. R. J. McLaughlin. Center of NW¼NE¼ sec. 123, blk. D-2, 10 miles north of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 69.20; Mar. 11, 68.96.

57. T. L. Wilhite. NE¼NW¼ sec. 87, blk. D-2, 7.5 miles northwest of Lockney. Water level, in feet below measuring point, 1941: Oct. 16, 63.50.

106. Texas Land and Development Company. SW¼NE¼NW¼ sec. 65, blk. D-2, 6 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 64.10; Mar. 11, 62.82.

108. Texas Land and Development Company. NW cor. SE¼ sec. 65, blk. D-2, 6.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 63.00; Mar. 11, 60.90.

111. Texas Land and Development Company. SW¼SW¼SW¼ sec. 65, blk. D-2, 6.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 59.03; Mar. 11, 56.98; July 23, 64.80; Dec. 20, 55.70.

112. Texas Land and Development Company. NW¼NW¼NW¼ sec. 12, blk. D-5, 7 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 58.59; Mar. 11, 56.32; Dec. 20, 54.66.

120. Francis Carthel. NW cor. NW¼ sec. 1, blk. D-5, 4.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 63.19; Oct. 16, 61.29.

124. Rosa Lee Carthel. NW¼SW¼SW¼ sec. 50, blk. D-2, 3.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 45.82; Mar. 11, 45.97; Dec. 22, 37.33.

140. Texas Land and Development Company. SW¼NE¼ sec. 2, blk. D-5, 3.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 57.87; Mar. 11, 57.85; July 23, 57.01; Dec. 22, 55.54.

143. Plainview-Lockney Farms. SE¼NW¼SW¼ sec. 8, blk. D-5, 5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 18, 66.31; July 23, 65.67; Dec. 11, 64.22.

150. M. S. Gholson. NW cor. NW¼ sec. 14, blk. D-5, 7 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 51.24; Mar. 11, 50.86; July 23, 51.06; Dec. 20, 48.69.

153. Texas Land and Development Company. SW cor. NW¼ sec. 15, blk. D-5, 6.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 57.60; Mar. 11, 57.13.

157. Texas Land and Development Company. NW cor. NW¼ sec. 10, blk. D-5, 6 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 59.80; Mar. 11, 59.39; Dec. 20, 57.20.

161. Texas Land and Development Company. SW cor. NE¼ sec. 10, blk. D-5, 5.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 64.92; Mar. 11, 64.49; Dec. 22, 62.03.

401. George Whitfield. NE¼NE¼SE¼ sec. 39, blk. D-6, 6.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 58.49; Mar. 11, 58.61; July 23, 58.99; Dec. 22, 58.98.

Floyd County-Continued.

409. Texas Land and Development Company. NW¼NW¼NW¼ sec. 24, blk. N, 5 miles west of Lockney.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 20	57.12	June 2	57.85	Dec. 22	54.74
Mar. 11	56.81	July 23	56.81		

410. W. C. McGrede. SW cor. W½ sec. 44, blk. D-6, 5.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 54.18; Mar. 11, 54.00; Dec. 22, 51.45.

414. Mrs. Harriet B. Robbins. SW cor. SW¼ sec. 46, blk. D-6, 4.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 67.95; Mar. 5, 66.87; July 23, 67.70; Dec. 22, 63.98.

416. Johnnie Spears. NW cor. NE¼SW¼ sec. 46, blk. D-6, 4.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 70.01; Mar. 5, 69.11; Dec. 22, 66.40.

421. W. W. Cooper. NW cor. NW¼ sec. 48, blk. D-6, 3.5 miles west of Lockney. Water levels, in feet below measuring point, 1941: Mar. 11, 65.28; June 2, 66.27; July 23, 65.15; Dec. 11, 63.86.

428. Texas Land and Development Company. NW cor. F. Griggs survey, 3.5 miles southwest from Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 54.98; Mar. 11, 54.83; Dec. 22, 53.41.

435. Home Owners' Loan Corporation. Middle of L. C. Reed survey, in southwest part of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 63.15; July 22, 65.28; Dec. 22, 62.18.

436. Four hundred feet southeast of railroad depot at Lockney. Water level, in feet below measuring point, 1941: Mar. 11, 50.91.

437. Lockney Oil Mill Company. In Lockney, 0.1 mile north of junction of U. S. Highway 70 with Lockney East Loop. Water levels, in feet below measuring point, 1941: Jan. 20, 54.47; Mar. 11, 54.56; Dec. 22, 53.33.

439. O. J. Schacht. NW cor. W. F. Smith survey, 3 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 57.74; Mar. 11, 57.55; Dec. 22, 56.15.

441. Federal Land Bank. NW cor. NW¼ sec. 50, blk. D-3, 2 miles northeast of Lockney.

Water level, in feet below measuring point, 1941

Jan. 20	65.43	June 2	65.91	Dec. 20	64.55
Mar. 11	65.60	July 23	65.81		

442. Solon Clements. NW¼SW¼NW¼ sec. 51, blk. D-3, 2 miles east of Lockney.

Water level, in feet below measuring point, 1941

Jan. 20	39.60	June 2	39.31	Dec. 20	24.48
Mar. 11	40.70	July 23	31.32		

446. W. J. King. NE¼SE¼NE¼ sec. 68, blk. G, 2.5 miles southeast of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 45.25; Mar. 11, 45.07; Dec. 22, 44.10.

459. Texas Land and Development Company. SW cor. M. Y. Price survey, 5.5 miles southwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 51.64; Mar. 11, 51.62; Dec. 20, 48.93.

463. Texas Land and Development Company. NW cor. NW¼ sec. 14, blk. N, 6 miles west of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 54.71; Mar. 11, 54.57; Dec. 22, 51.42.

467. C. J. Barnard. NW¼SW¼SW¼ sec. 3, blk. N, 8 miles southwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 44.58; Mar. 11, 44.32; Dec. 20, 40.80.

Floyd County--Continued.

472. Texas Land and Development Company. NW cor. J. K. Andrews survey, 5.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 51.53; Mar. 11, 51.55; Dec. 20, 48.56.

486. Mrs. M. E. Morris. SE¼NE¼SE¼ sec. 53, blk. G, 5.5 miles southeast of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 36.14; Mar. 12, 36.20; July 23, 28.20; Dec. 20, 27.20.

509. S. H. Boon. North end of C. H. Johnson survey, 8.5 miles south of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 45.19; Mar. 11, 45.53; July 23, 43.20; Dec. 20, 41.83.

510. L. D. Pope. North end of J. R. Powell survey, 8 miles southwest of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 49.52; Mar. 11, 50.70; Dec. 20, 42.97.

519. J. L. Faulkner. NE cor. SW¼ sec. 44, blk. G, 7.5 miles west of Floydada. Water levels, in feet below measuring point, 1941: Jan. 20, 54.44; Mar. 11, 54.45; Dec. 20, 53.24.

523. C. F. Harris. NE¼NW¼ sec. 41, blk. G, 7.5 miles northwest of Floydada. Water levels, in feet below measuring point, 1941: Jan. 20, 60.47; Mar. 11, 60.16; July 23, 67.20; Dec. 20, 57.80.

525. W. Fry. NW¼NW¼NW¼ sec. 52, blk. G, 5.5 miles south of Lockney. Water levels, in feet below measuring point, 1941: Jan. 20, 42.46; Mar. 11, 42.57; July 23, 42.34; Dec. 20, 39.87.

528. Mrs. Maud Hollums. SW cor. SW¼ sec. 82, blk. G, 5 miles northwest of Floydada. Water levels, in feet below measuring point, 1941: Jan. 20, 51.94; Mar. 12, 52.16; July 23, 51.24; Dec. 22, 51.05.

529. No measurements made in 1941.

533. Martin Heirs. In Floydada, at west Kentucky and Fourth Streets. Water level, in feet below measuring point, 1941: Mar. 12, 122.70.

562. H. W. Carver. NW¼ of J. A. Huckabee survey. Water level, in feet below measuring point, 1941: Dec. 18, 135.67.

603. Gladys Fox. NW¼NE¼ sec. 86, blk. 1, 5.5 miles east of Floydada. Water level, in feet below measuring point, 1941: Mar. 12, 176.34.

605. W. B. Jones. NW cor. SW¼NE¼ sec. 106, blk. 1, 10.5 miles east of Floydada. Water levels, in feet below measuring point, 1941: Mar. 12, 212.90; Dec. 18, 212.20.

607. Mrs. Kate Martin. NW¼NE¼ sec. 4, blk. 1, 14.5 miles east of Floydada. Water levels, in feet below measuring point, 1941: Mar. 12, 240.29; Dec. 18, 240.21.

Fort Bend County

Well numbers correspond to those given in Water-Supply Paper 909.

1. No measurements made in 1941.

6. P. V. Cook. Six miles southwest of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 67.81; Mar. 11, 67.45; May 15, 66.66; Oct. 24, 67.40.

7. C. C. Cardiff. Four miles south-southwest of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 61.20; Mar. 11, 60.57; Oct. 24, 61.54.

11. P. V. Cook. One and three-fourths miles south-southwest of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 59.04; Mar. 11, 58.53; May 15, 57.67; Oct. 24, 59.52.

12. Stockdick Estate. One-half mile west-southwest of Katy. Water level, in feet below measuring point, 1941: May 15, 22.26.

15. P. V. Cook. Three and one-fourth miles south-southwest of Katy. Water levels, in feet below measuring point, 1941: Mar. 11, 62.05; May 15, 60.95; Oct. 24, 62.38.

Fort Bend County--Continued.

16. C. C. Cardiff. Five miles southwest of Katy. Water levels, in feet below measuring point, 1941: Mar. 11, 62.55; Oct. 24, 63.10.

19. R. Robertson. Four and three-fourths miles south of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 48.55; Mar. 11, 47.56; May 16, 46.57.

20. L. Pauli. Five and three-fourths miles south-southeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 42.35; Mar. 11, 41.54; May 16, 40.54; Oct. 22, 42.16.

21. L. Pauli. Six miles south of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 45.41; Mar. 11, 44.99; May 16, 43.65; Oct. 24, 44.95.

26. C. Pillot. Ten miles southeast of Katy. Water levels, in feet below measuring point, 1941: Mar. 11, 30.09; May 16, 31.37; Oct. 24, 31.03.

33. Earl McMillian. Three and one-half miles southwest of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 63.07; Mar. 11, 62.82; May 15, 62.12; Oct. 24, 63.85.

50. Owner's number 6. Fort Bend Utilities Company. At Sugarland. Water levels, in feet below measuring point, 1941: Mar. 2, 45.75; May 25, 45.20.

53. Owner's number 4. Fort Bend Utilities Company. At Sugarland. Water level, in feet below measuring point, 1941: Mar. 2, 42.39.

54. Owner's number 3. Fort Bend Utilities Company. At Sugarland. Water levels, in feet below measuring point, 1941: Mar. 2, 30.76; May 25, 25.87.

75. Gulf Pips Line Company. Ten miles east-southeast of Sugarland. Water levels, in feet below measuring point, 1941: Feb. 19, 54.54; Apr. 5, 54.33; July 16, 54.45; Nov. 25, 56.02.

76. About one-half mile west of Blue Ridge prison farm.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Feb. 19	36.50	June 3	36.01	Nov. 24	35.87
Apr. 5	36.29	July 16	35.85		

Freestone County

No measurements made in Freestone County in 1941.

Gaines County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

2. Carrol Cobb. SW¼ sec. 20, blk. A-21, P. S. L., 7.4 miles south of Seminole. Water level, in feet below measuring point, 1941: Dec. 16, 56.36.

6. Measurements discontinued.

6a. No measurements made in 1941.

7. Measurements discontinued.

9. Measurements discontinued.

12. Measurements discontinued.

Galveston County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886 and 909.

Galveston County--Continued.

3. Mrs. A. Voss. Five and three-quarters miles west of League City. Water levels, in feet below measuring point, 1941: Jan. 20, 40.30; Mar. 14, 40.85; July 7, 33.86.

11. A. A. Davis. Genoa Quadrangle G-1, in Friendswood. Water level, in feet below measuring point, 1941: Jan. 20, 59.28.

16. Cecil Brown. Genoa Quadrangle G-1, in town of Friendswood. Water levels, in feet below measuring point, 1941: Jan. 20, 59.09; Mar. 14, 58.65; July 21, 62.21.

28. Galveston, Houston & Henderson Railroad. In League City. Water levels, in feet below measuring point, 1941: Mar. 14, 53.06; July 23, 55.07.

42. J. Freund. Seabrook Quadrangle G-2, in town of Kemah. Water levels, in feet below measuring point, 1941: Mar. 14, 40.63; July 25, 42.00.

105. H. E. Newell. Five miles north of Alta Loma. Water level, in feet below measuring point, 1941: July 29, 9.00.

112. Galveston, Houston & Henderson Railway. Six and one-half miles northeast of Alta Loma. Water levels, in feet below measuring point, 1941: Mar. 14, 57.48; July 28, 59.75.

113. E. Menotti. Seven miles northeast of Alta Loma. Water levels, in feet below measuring point, 1941: Mar. 15, 35.36; July 28, 36.97.

115. J. W. Palmer. Six miles northeast of Alta Loma. Water levels, in feet below measuring point, 1941: Mar. 14, 36.01; July 29, 37.76.

142. Maco Stewart. Dickinson Quadrangle, 2.75 miles west of League City. Water levels, in feet below measuring point, 1941: Mar. 14, 49.72; July 28, 53.32.

206. A. J. Biran. Three and one-half miles west of Texas City. Water level, in feet below measuring point, 1941: Mar. 15, 45.68.

244. Stone Oil Company. Texas City Quadrangle, in town of Texas City. Water levels, in feet below measuring point, 1941: Mar. 15, 68.72; Aug. 7, 75.86.

295. A. T. & S. F. R. R. Hitchcock Quadrangle, in Hitchcock. Water level, in feet below measuring point, 1941: Aug. 13, 54.51.

381. Stewart Production Company. Virginia Point Quadrangle, 3 miles southeast of Hitchcock. Water levels, in feet below measuring point, 1941: Mar. 14, 36.60; Aug. 12, 60.95.

619. Phenix Dairy. Dickinson Quadrangle, 4 miles northwest of Alta Loma. Water levels, in feet below measuring point, 1941: Mar. 15, 48.02; Aug. 2, 51.94.

688. City of Galveston. In Alta Loma. Drilled test well, diameter 4 inches, depth 1,066 feet. Measuring point, top of casing 0.7 foot above land surface. Water levels, in feet below measuring point, 1941: Mar. 14, 69.74; Aug. 2, 76.04.

689. City of Galveston. Two and one-half miles northeast of Alta Loma. Drilled test well, diameter 4 inches, depth 1,221 feet. Measuring point, top of casing, 1.1 feet above land surface. Water levels, in feet below measuring point, 1941: Mar. 14, 55.56; July 23, 55.48.

691. City of Galveston. In Hitchcock. Drilled test well, diameter 2 inches, depth 940 feet. Measuring point, top of casing, 1.5 feet above land surface. Water levels, in feet below measuring point, 1941: Mar. 14, 43.67; Aug. 5, 50.31.

692. Carbide and Carbon Chemical Co. Three miles southwest of Texas City. Drilled test well, diameter 3 inches, depth 1,031 feet. Measuring point, top of casing, 2.1 feet above land surface. Water level, in feet below measuring point, 1941: Aug. 12, 60.03.

Gray County

No measurements made in Gray County in 1941.

Gregg County

No measurements made in Gregg County in 1941.

Guadalupe County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

316. Joe Gleitz. Four hundred feet north of U. S. Highway 81, 0.1 mile east of Guadalupe-Bexar County line. Water levels, in feet below measuring point, 1941: Jan. 23, 113.17; Mar. 25, 106.73; May 29, 101.70; Nov. 14, 105.39.

317. Joe Gleitz. Twenty feet south of well 316. Water levels, in feet below measuring point, 1941: Jan. 23, 75.52; Mar. 25, 52.72; May 29, 72.59.

Hale County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

11. S. C. Hutchinson. NE¼SE¼ sec. 5, blk. S1, 16 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 40.11; Mar. 8, 40.19; Nov. 13, 36.77.

15. S. C. Hutchinson. SW¼SW¼ sec. 4, blk. S1, 15 miles northwest from Hale Center. Unused drilled well, depth 100 feet. Measuring point 0.5 foot above land surface. Water levels, in feet below measuring point: Aug. 19, 1937, 57.8; Jan. 17, 1941, 60.00; Nov. 13, 1941, 59.12.

16. Cottle Co. NW¼NE¼ sec. 8, blk. S1, 15 miles northwest from Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 50.41; Mar. 8, 50.50.

36. G. D. Lewellen. SW¼NE¼ sec. 18, blk. 06, 12.5 miles northwest of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 79.00; Mar. 8, 78.73; Nov. 13, 78.41.

37. G. D. Lewellen. NW¼SW¼ sec. 19, blk. 06, 12 miles northwest of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 67.95; Mar. 8, 67.95.

102. Ed Duvall. SW¼NW¼ sec. 6, blk. C4, 16 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 50.93; Mar. 8, 50.70; July 24, 50.30; Nov. 13, 49.84.

103. Carl Meyer. NE¼SE¼ sec. 8, blk. C4, 16 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 48.80; Mar. 8, 48.65; Nov. 13, 47.59.

105. Texas Land and Development Co. NW¼SW¼ sec. 27, blk. S1, 14 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 52.78; Mar. 8, 52.33; July 24, 51.85; Nov. 13, 51.27.

112. C. Zelner. NW¼NW¼ sec. 12, blk. JK, 12.5 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 57.02; Mar. 8, 56.94; July 24, 54.74; Nov. 13, 53.57.

115. H. L. Gunter. NW¼NE¼ sec. 16, blk. JK, 13.5 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 58.05; Nov. 13, 57.72.

123. L. C. Wayland. NW¼NE¼ sec. 24, blk. JK, 11 miles north of Hale Cente Water levels, in feet below measuring point, 1941: Jan. 17, 64.70; Mar. 8, 64.38; July 24, 64.21; Nov. 13, 63.81.

125. E. E. Clark. SE¼SW¼ sec. 1, blk. JK4, 10 miles northwest of Hale Center. Water levels, in feet below measuring point, 1941: Mar. 8, 83.29; July 24, 83.38; Nov. 13, 82.84.

202. Texas Land and Development Company. NW¼NE¼ sec. 20, blk. C3, 17 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 68.05; Mar. 10, 67.98; Nov. 5, 67.88.

Hale County--Continued.

206. Texas Land and Development Company. Just east of center of Richard William Survey, 18 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 71.37; Mar. 10, 70.97; Nov. 5, 71.56.

208. Texas Land and Development Company. SW¼ J. P. Lattimore survey, 17.5 miles northeast of Hale Center.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 16	68.22	May 31	68.03	Nov. 5	67.75
Mar. 10	67.80	July 25	67.55		

210. Texas Land and Development Company. NW¼ D. R. McVicker survey, 18.5 miles northeast of Hale Center.

Water level, in feet below measuring point, 1941

Jan. 16	67.21	May 31	66.98	Nov. 5	66.99
Mar. 10	67.02	July 25	66.87		

212. Texas Land and Development Company. West center D. R. McVicker strip, west of sec. 55, blk. M14, 18 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 66.80; Mar. 10, 65.54; Nov. 5, 65.42.

220. Texas Land and Development Company. NW¼NE¼ sec. 3, blk. JK3, 15.5 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 57.56; Mar. 10, 57.28; Nov. 4, 56.82.

223. Texas Land and Development Company. NW¼SE¼ sec. 18, blk. C-3, 14.5 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 55.80; Mar. 10, 55.36; Nov. 4, 54.74.

231. Measurements discontinued.

232. M. Hutchinson. NW¼NW¼ sec. 1, blk. JK3, 13.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 55.64; Mar. 10, 54.60.

238. Dr. McKinley Howell. SE¼SW¼ sec. 8, blk. JK3, 13.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 55.58; Mar. 10, 55.44; Nov. 5, 54.86.

246. NE¼NE¼ sec. 34, blk. JK2, 12 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 51.91; Mar. 4, 51.55; July 24, 50.98; Oct. 16, 50.48.

255. G. H. Slaton. SE¼NW¼ sec. 15, blk. JK2, 10 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 21.20; Mar. 8, 21.24.

256. R. M. Malone. SE¼SW¼ sec. 10, blk. JK2, 9 miles north of Hale Center.

Water level, in feet below measuring point, 1941

Jan. 17	42.41	June 2	41.78	Nov. 21	38.01
Mar. 8	42.42	July 24	39.05		

259. C. S. Ebeling. NW¼SE¼ sec. 3, blk. JK2, 9 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 20.70; Mar. 8, 20.85; June 2, 19.26; Nov. 13, 15.32.

263. Federal Land Bank. NW¼SW¼ sec. 6, blk. JK3, 15 miles northeast of Hale Center.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	46.51	Mar. 3	46.51	July 30	45.67	Oct. 28	45.88
28	46.51	May 4	46.78	Aug. 6	45.72	Nov. 4	45.72
Feb. 11	46.52	31	46.63	10	45.84	10	45.61
18	46.52	June 7	46.37	17	45.96	17	45.45
24	46.51	July 22	45.60	Oct. 21	46.03		

Hale County--Continued

305. Texas Land and Development Company. On strip land, 0.55 mile east of SW. cor. sec. 54, blk. M14, 18.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 73.67; Mar. 10, 73.18; July 25, 72.91; Nov. 5, 72.70.

307. Texas Land and Development Company. On strip land, 0.3 mile east of SW cor. sec. 53, blk. M14, 19 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 67.05; Mar. 10, 66.53; July 25, 66.19; Nov. 5, 66.20.

314. J. S. Leach. NE¼NE¼ sec. 14, blk. JK3, 17 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 47.48; Mar. 10, 47.20; July 25, 46.75; Oct. 16, 47.04.

316. Texas Land and Development Company. NW¼ S. D. Lemaster survey, 17.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 52.48; Mar. 10, 52.58; July 25, 53.08; Oct. 16, 52.92.

317. Texas Land and Development Company. NE¼ J. F. Owens survey, 18.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 53.54; Mar. 10, 53.42; July 25, 52.93; Oct. 16, 53.26.

330. George White. NE¼ J. M. Martin survey, 16.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 46.60; Mar. 10, 46.67; Nov. 5, 46.21.

338. Dr. J. H. Stewart. NW¼SE¼ sec. 110, blk. D2, 20 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 18, 48.64; Mar. 11, 48.58; Nov. 5, 46.97.

346. Measurements discontinued.

355. C. N. Horne, SE¼SW¼ sec. 1, blk. D6, 15.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 18, 42.99; Mar. 10, 43.50; Mar. 11, 43.09.

357. G. D. Lewellen. SE¼SW¼ sec. 8, blk. D6, 14.5 miles northeast of Hale Center.

Water levels, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 18	40.10	June 2	39.82	Nov. 21	36.68
Mar. 10	40.17	July 23	37.84		

370. D. A. Reading. SE¼SE¼ sec. 5, blk. D4, 14.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 16, 45.32; Mar. 10, 45.27; July 25, 44.78; Nov. 5, 44.18.

402. N. R. Johnson. SW¼NE¼ sec. 40, blk. JK2, 11 miles northeast of Hale Center.

Water levels, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	23.75	May 4	23.85	June 2	22.13	Oct. 16	17.66
Mar. 4	23.91	30	22.44	July 24	15.99		

418. Measurements discontinued.

422. Mrs. J. B. Long. SW¼SW¼ sec. 20, blk. D5, 16 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 44.01; Mar. 11, 44.16; June 2, 43.27; Nov. 21, 36.05.

427. C. M. Smith. NW¼NW¼ sec. 17, blk. D5, 17.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 52.70; Mar. 11, 52.53; Nov. 21, 50.08.

428. C. M. Smith. SW¼SW¼ sec. 17, blk. D5, 17 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 52.64; Mar. 11, 52.50; June 11, 52.64; July 23, 50.48.

Hale County--Continued.

433-A. Lizzie B. Morris. SW cor. of west 186 acres in sec. 37, blk. D6, 15 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 24.93; Mar. 11, 25.12; Nov. 21, 6.97.

434. Texas Land and Development Company. SW cor. SE¼NE¼ sec. 33, blk. D6, 14.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 48.52; Mar. 11, 48.64; Nov. 21, 44.40.

435. Texas Land and Development Company. SW cor. NE¼ sec. 35, blk. D6, 14 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 53.17; Mar. 11, 53.24; Nov. 21, 49.63.

436. Texas Land and Development Company. NW¼SW¼ sec. 33, blk. D6, 13.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 56.26; Mar. 11, 56.26; Nov. 21, 53.51.

449. W. S. Messick. NW¼NE¼ sec. 10, blk. D7, 8 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 61.08; Mar. 4, 60.90; Nov. 24, 60.14.

454. B. F. Smith. NW¼NE¼ sec. 21, blk. N, 16.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 56.19; Mar. 11, 55.94.

459. Texas Land and Development Company. NE¼SE¼ sec. 16, blk. N, 16.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 44.77; Mar. 11, 44.67; Nov. 24, 38.60.

462. R. E. Keniston. SW¼SW¼ sec. 16, blk. N, 16 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 46.49; Mar. 11, 46.43; Nov. 24, 37.60.

463. R. E. Keniston. SW¼SW¼ sec. 16, blk. N, 16 miles east of Hale Center.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 20	41.84	June 2	39.67	Nov. 24	32.09
Mar. 11	41.81	July 23	33.47		

467. M. E. Courtney. NW¼NE¼ sec. 25, blk. N, 13.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 38.53; Mar. 11, 37.95; Nov. 24, 35.99.

470. M. H. Neer. NW¼NW¼ sec. 25, blk. D7, 11 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 20, 33.73; Mar. 11, 33.80; July 25, 33.25; Nov. 24, 31.99.

477. C. J. Jagelky. NW¼NW¼ sec. 22, blk. D7, 8 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 39.46; Mar. 11, 39.45; Nov. 24, 38.10.

508. Mrs. J. H. Slaton. SW cor. sec. 8, blk. JK2, 7.5 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 49.85; Mar. 11, 49.86; Oct. 14, 49.69.

510. R. E. Walker. NE¼NE¼ sec. 9, blk. JK2, 9 miles north of Hale Center.

Water level, in feet below measuring point, 1941

Jan. 17	38.19	June 2	38.11	Nov. 21	34.57
Mar. 11	38.30	July 24	36.11		

511. Dr. J. Anderson. NW¼NW¼ sec. 28, blk. JK2, 10 miles northeast of Hale Center. Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	24.14	May 4	25.32	June 2	17.80	July 24	15.75
Mar. 4	24.28	30	19.38	3	17.51	Oct. 14	14.90

Hale County--Continued.

526. I. W. LaFrance. NE cor. NE¼ sec. 44, blk. A1, 6 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 28, 55.62; Mar. 4, 55.73.

539. Fred Rastetter. SE cor. SE¼ sec. 29, blk. A, 3.25 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 59.48; Mar. 4, 59.59.

542. J. B. Hay. NE¼NE¼ sec. 38, blk. A1, 7 miles northeast of Hale Center.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	38.30	Mar. 4	38.42	June 10	37.98	Oct. 14	36.89
28	38.32	11	38.43	July 22	37.24	21	36.82
Feb. 4	38.33	May 4	38.63	30	37.18	28	36.74
11	38.36	11	38.63	Aug. 6	37.14	Nov. 4	36.58
18	38.38	31	38.32	10	37.12	10	36.37
24	38.39	June 3	38.16	17	38.00	17	36.18

547. O. C. McClain. NW¼NW¼ sec. 40, blk. A1, 7 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 54.15; Mar. 4, 54.28; Nov. 25, 53.30.

549. Bennie Harris. SW¼NE¼ sec. 25, blk. A1, 7 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 59.18; Mar. 4, 59.12.

552. H. S. Dunaway. NE¼NW¼ sec. 6, blk. A1, 4 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 61.14; Mar. 4, 62.06; Nov. 25, 59.97.

553. Texas Land and Development Company. NW¼NE¼ sec. 6, blk. A1, 4.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 58.81; Mar. 4, 59.47; Nov. 25, 54.90.

564. T. F. Mounts. NW¼SW¼ sec. 20, blk. A1, 2 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 57.78; Mar. 4, 57.84; July 25, 57.96; Nov. 25, 57.65.

567. J. B. Maxey. SW¼SW¼ sec. 19, blk. A1, 1.25 miles northeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 54.01, Mar. 4, 54.07; Nov. 25, 53.01.

569. O. C. Sanders. SW¼SW¼ sec. 3, blk. A1, 1 mile southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 55.87; Mar. 4, 56.02; Nov. 25, 53.63.

605. J. O. Douglas. NE¼NE¼ sec. 23, blk. O, 11.5 miles northwest of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 86.96; Mar. 11, 86.70; July 24, 86.81; Nov. 13, 86.40.

621. E. S. Crow. SE¼NE¼NE¼ sec. 19, blk. O, 9.5 miles northwest of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 17, 63.25; Mar. 11, 63.27; Nov. 13, 62.10.

719-A. W. Bogart. NE¼NE¼NE¼ sec. 22, Sabine County School Land, 15 miles southwest of Hale Center. Water level, in feet below measuring point, 1941: Nov. 6, 76.36.

719-B. W. Bogart. NE¼NW¼ sec. 22, Sabine County School Land, 17.5 miles southwest of Hale Center. Water levels, in feet below measuring point, 1941: Mar. 11, 12.76; Nov. 6, 3.50.

720-B. P. R. Caraway. NE¼NE¼NE¼ sec. 27, Sabine County School Land, 17 miles southwest of Hale Center. Water level, in feet below measuring point, 1941: Nov. 7, 10.79.

736-B. Ross Title Insurance Company. Two miles north and 6.5 miles west of Abernathy. Water levels, in feet below measuring point, 1941: Mar. 7, 35.00; Nov. 7, 20.07.

Hale County--Continued.

816. A. M. Eason. SE¼SE¼ sec. 18, blk. R, 9.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 57.34; Mar. 11, 57.34; July 25, 55.78; Nov. 24, 54.88.

822. Elsie Thornton. SW¼SW¼ sec. 37, blk. A4, 6.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 52.18; Mar. 11, 52.21; July 25, 50.40; Nov. 7, 49.39.

824. J. Wells Kinkaid. SW¼NW¼ sec. 29, blk. A4, 4.75 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 64.68; Mar. 11, 64.70; July 25, 64.70; Nov. 7, 64.60.

825. Matilda Akeson. NW¼NW¼ sec. 18, blk. A4, 3.25 miles north of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 66.37; Mar. 11, 66.41; July 25, 66.19; Nov. 25, 66.10.

828. C. W. Bigler. NW¼NE¼ sec. 33, blk. A4, 5 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 74.15; Mar. 11, 81.09; Nov. 24, 73.72.

833. Elsie Thornton. SE¼NE¼ sec. 65, blk. A4, 9.5 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 84.43; Mar. 11, 84.46.

834. R. E. Sikes. NE¼SE¼ sec. 64, blk. A4, 8.5 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 77.88; Mar. 11, 77.91; Nov. 25, 77.24.

835. S. E. Wallace. SE¼SW¼ sec. 50, blk. A4, 8 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 60.15; Mar. 11, 60.20.

837. F. L. Hunsicker. NW¼NW¼ sec. 54, blk. A4, 8 miles southeast of Hale Center. Water level, in feet below measuring point, 1941: Nov. 7, 64.73.

840. Debb McLaughlin. NE¼SE¼ sec. 12, blk. R, 12 miles southeast of Hale Center. Water level, in feet below measuring point, 1941: Nov. 24, 59.98.

848. Mrs. J. E. Cheney. SE¼NE¼ sec. 75, blk. A4, 12.5 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 22, 96.53; Mar. 11, 96.55; Nov. 25, 95.70.

852. Abernathy Cemetery. SW¼SE¼ sec. 2, blk. X, 15 miles south of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 22, 118.26; Mar. 11, 118.49; Nov. 7, 117.84.

859. L. Ragland. NE¼SE¼SE¼ sec. 22, blk. C. L., 15.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 25, 78.00; Nov. 7, 75.24.

906. Floyd Reagan. SW¼SE¼ sec. 59, blk. R, 14 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 44.40; Nov. 24, 41.03.

923. D. C. Bayley. NW¼NW¼ sec. 28, blk. R, 9.5 miles east of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 56.46; Mar. 11, 56.69; July 25, 55.43; Nov. 25, 54.48.

936. B. E. Porter. NW¼NW¼ C. K. Andrews survey, east of sec. 38, blk. R, 14 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 49.73; Mar. 11, 49.00; Nov. 24, 46.45.

946. B. E. Porter. SE¼SE¼ C. K. Andrews survey, 14.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 61.15; Mar. 11, 61.01; Nov. 24, 59.97.

956. J. W. Heard. SW¼NW¼ sec. 7, blk. R, 11.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 67.73; Mar. 11, 67.45; July 25, 67.17; Nov. 24, 66.14.

958. W. C. Sewell. SW¼NW¼ sec. 9, blk. R, 12 miles southeast of Hale Center. Water levels, in feet below measuring point, 1941: Jan. 21, 59.88; Mar. 11, 59.85; Nov. 24, 57.50.

Hale County--Continued.

971. L. S. Claitor. NW cor. NW¼ sec. 15, blk. C. L., 17.5 miles southeast of Hale Center. Water level, in feet below measuring point, 1941: Nov. 7, 62.99.

974-A. W. B. Mooney. SW¼NW¼ J. A. Alexander survey, 17.5 miles southeast of Hale Center. Water level, in feet below measuring point, 1941: Nov. 7, 61.87.

Hansford County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

124. L. W. Mathews. Five and one-half miles northwest of Spearman. Water level, in feet below measuring point, 1941: Dec. 5, 73.76.

137. S. B. Hale. Five miles northwest of Spearman. Water level, in feet below measuring point, 1941: Dec. 5, 68.63.

141. No measurements made in 1941.

153. No measurements made in 1941.

236. Fred McRee. Eleven miles northwest of Gruver. Water level, in feet below measuring point, 1941: Dec. 5, 169.82.

239. No measurements made in 1941.

243. No measurements made in 1941.

244. Patton. Ten miles west of Gruver. Water level, in feet below measuring point, 1941: Dec. 4, 181.02.

246. H. S. Hays. Two miles southeast of Gruver. Water level, in feet below measuring point, 1941: Dec. 5, 174.56.

262. Gwinfred Lackey. Five and one-half miles south of Gruver. Water level, in feet below measuring point, 1941: Dec. 5, 45.57.

277. Coy Holt. Six miles south of Gruver. Water level, in feet below measuring point, 1941: Dec. 5, 27.03.

289. J. J. Jones. Six and one-half miles south of Gruver. Water level, in feet below measuring point, 1941: Dec. 5, 25.26.

Harris County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886 and 909.

6a. C. Mathews. In Waller.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	8.69	May 22	7.35	Sept. 4	8.95	Nov. 6	6.50
Mar. 1	7.82	July 7	7.20	19	7.45	Dec. 17	7.86
Apr. 4	7.80						

14. J. A. Hafner. One and three-quarters miles east of Waller.

Water level, in feet below measuring point, 1941

Jan. 28	52.46	July 8	54.13	Sept.19	54.84	Dec. 18	52.97
May 22	52.57	Aug. 16	55.27	Nov. 6	53.53		

31. R. L. Burton. Five miles southeast of Waller.

Water level, in feet below measuring point, 1941

Jan. 28	42.72	May 22	42.40	Aug. 16	48.69	Nov. 6	42.67
Mar. 1	42.13	July 7	42.06	Sept.19	45.64	Dec. 18	41.20
Apr. 4	41.15						

Harris County--Continued

33. W. G. Neeley. Five miles east-southeast of Waller.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	29.41	July 7	27.89	Sept.19	19.75	Dec. 18	25.46
May 22	30.87	Aug. 16	32.50	Nov. 6	20.70		

35. O. M. Taylor. Six and one-quarter miles east-southeast of Waller.

Water level, in feet below measuring point, 1941

Jan. 28	25.21	May 22	17.84	Aug. 16	19.90	Nov. 6	15.70
Mar. 1	22.72	July 7	15.79	Sept.19	22.01	Dec. 18	16.47
Apr. 4	19.80						

40. Ira Southard. One-quarter mile south of Houston-Hempstead Highway at Hockley.

Water level, in feet below measuring point, 1941

Jan. 27	45.88	Apr. 4	44.43	Sept. 3	56.01	Dec. 18	43.06
Mar. 1	45.41	July 7	45.29	Nov. 6	44.53		

95. H. C. Middlestead. One and three-quarter miles south-southwest of Spring.

Water level, in feet below measuring point, 1941

Jan. 27	25.42	June 3	23.85	Aug. 15	23.80	Nov. 4	17.72
Feb. 26	24.67	July 3	22.71	Sept.19	23.47	Dec. 16	19.79
Apr. 8	23.20						

102. C. P. Addison. Four and one-half miles south of Spring.

Water level, in feet below measuring point, 1941

Jan. 27	12.55	June 3	6.90	Aug. 15	8.05	Nov. 4	2.65
Feb. 26	10.40	July 3	5.78	Sept.19	7.04	Dec. 16	5.43
Apr. 7	6.77						

104. C. P. Addison. Four and one-half miles south of Spring.

Water level, in feet below measuring point, 1941

Jan. 27	17.65	Apr. 7	14.10	Aug. 15	13.60	Nov. 4	9.66
Feb. 26	16.45	June 3	12.83	Sept.19	14.03	Dec. 16	11.18

134. Ira Southard. Nine miles southwest of Cypress. Water levels, in feet below measuring point, 1941: Jan. 21, 52.84; Mar. 12, 52.26; May 21, 51.19; Oct. 29, 53.03.

136. J. Freeman. Nine miles west of Cypress. Water levels, in feet below measuring point, 1941: Jan. 21, 53.82; Mar. 12, 53.32; May 22, 52.35; Oct. 29, 52.90.

139a. E. W. Peak. Eight and three-quarter miles southeast of Cypress. Water levels, in feet below measuring point, 1941: Jan. 21, 51.45; Mar. 12, 50.29; Oct. 29, 51.74.

140. Oscar Kemp. Seven and three-quarter miles southeast of Cypress. Water levels, in feet below measuring point, 1941: Jan. 21, 50.00; Mar. 12, 48.27; May 22, 47.16; Oct. 29, 50.15.

166. No measurements made in 1941.

169a. Ben Pewe. Two and nine-tenths miles northwest of Cypress.

Water level, in feet below measuring point, 1941

Mar. 1	13.39	May 22	11.80	Sept. 4	20.14	Dec. 18	11.79
Apr. 4	12.50	July 7	11.44	Nov. 6	13.06		

Harris County--Continued

171. Measurements discontinued.

178. K. P. Black. Five miles southeast of Cypress.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1	2.06	May 23	3.97	Aug. 16	4.28	Nov. 6	1.50
Apr. 4	3.43	July 7	4.38	Sept.19	1.64	Dec. 19	2.93

182. Joel Schmidt. Four and one-half miles south of Cypress. Water level, in feet below measuring point, 1941: Oct. 23, 33.16.

183. J. J. Sweeney. Five and three-quarter miles south of Cypress. Water levels, in feet below measuring point, 1941: Jan. 21, 31.57; Mar. 2, 30.47; May 21, 29.43.

186. Tucker. Six miles south-southwest of Cypress. Water levels, in feet below measuring point, 1941: Jan. 21, 32.47; Mar. 12, 31.26; May 21, 30.60; Oct. 27, 32.48.

205. Humble Pipe Line Company. Six and one-quarter miles southeast of Cypress.

Water level, in feet below measuring point, 1941

Jan. 28	36.58	May 23	34.50	Aug. 16	34.77	Nov. 6	35.80
Mar. 1	35.85	July 7	34.23	Sept.19	35.59	Dec. 19	35.28
Apr. 4	35.26						

206. R. B. Tucker. Six and one-half miles southeast of Cypress.

Water level, in feet below measuring point, 1941

Jan. 28	29.30	May 23	26.56	Aug. 16	32.00	Nov. 6	27.67
Mar. 1	28.07	July 7	29.10	Sept.19	31.75	Dec. 19	26.11
Apr. 4	27.09						

210. Seven and one-quarter miles southeast of Cypress.

Water level, in feet below measuring point, 1941

Jan. 28	20.70	Apr. 4	18.61	July 7	20.57	Nov. 5	18.81
Mar. 1	19.65	May 23	17.69	Aug. 16	23.42	Dec. 19	17.92

221. S. Terpstra. Ten and three-quarter miles east of Cypress.

Water level, in feet below measuring point, 1941

Jan. 27	37.59	Mar. 27	35.81	July 3	34.60	Nov. 8	35.45
Feb. 26	36.67	June 3	34.39	Sept. 3	37.34	Dec. 16	34.47

225. Trinity & Brazos Valley Railroad Company. Eleven and one-half miles east-southeast of Cypress.

Water level, in feet below measuring point, 1941

Jan. 27	36.68	Mar. 27	35.40	July 3	35.28	Nov. 8	36.94
Feb. 26	35.90	June 3	34.52	Sept. 3	38.25	Dec. 16	36.10

255. J. M. Blake. Two and one-half miles west-northwest of Aldine.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 27	16.10	Apr. 8	15.67	Nov. 4	11.93
Feb. 26	14.41	July 3	12.98	Dec. 16	10.80

256. No measurements made in 1941.

264. H. Weary. Three miles north of Aldine.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	40.75	June 3	40.30	Sept. 3	39.28	Nov. 4	38.73
Feb. 26	40.21	July 3	38.87	19	39.18	Dec. 16	38.65
Apr. 7	39.63	Aug. 15	38.90				

Harris County--Continued.

264a. Fifteen-hundredths mile south of well 264 on Hardy Street, opposite mile post 135 on Missouri Pacific Railroad.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	7.42	June 3	7.20	Aug. 15	7.10	Sept.19	5.56
Feb. 26	7.25	July 3	7.07	Sept. 3	8.13	Nov. 4	4.40
Apr. 7	6.59						

302. Rebel Oil Company. Three and one-half miles southeast of Humble. Water levels, in feet below measuring point, 1941: Feb. 26, 40.80; June 3, 40.92; Sept. 3, 42.01.

352. A. E. Thompson. Five and three-quarter miles north of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 57.78; Mar. 12, 56.54; Oct. 24, 56.87.

357. P. V. Cook. Four and one-half miles north-northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 54.47; Mar. 12, 52.67; May 21, 65.50; Oct. 29, 55.72.

362. E. G. Stockdick. Four miles northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 46.95; Mar. 18, 45.45; May 21, 44.75; Oct. 29, 47.90.

367. W. C. Hickman. Three and one-quarter miles east-northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 47.21; Mar. 12, 45.96; May 15, 44.56; Oct. 28, 47.53.

370. J. M. Johnson. Three miles east of Katy.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 22	46.87	May 14	44.09	Dec. 17	45.20
Mar. 12	45.73	Nov. 18	46.66		

371. L. E. Morrison. Three miles southeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 43.75; Mar. 12, 42.71; May 15, 41.57; Oct. 28, 44.10.

381. Seven and one-half miles northeast of Katy.

Water level, in feet below measuring point, 1941

Jan. 21	34.32	May 28	33.87	Aug. 16	36.55
Mar. 12	33.55	July 3	34.50	Oct. 23	34.04

382. C. Stockdick. Six miles northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 42.93; Mar. 12, 41.57; May 21, 40.91; Oct. 29, 43.85.

384. A. J. Jordan. Six miles northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 45.83; Mar. 12, 44.30; May 21, 42.83; Oct. 29, 47.28.

385. A. J. Jordan. Six miles northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 44.12; Mar. 12, 43.16; May 21, 42.52; Oct. 29, 44.09.

399. Gertie Rice Farm. Nine and one-half miles northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 21, 34.45; Mar. 12, 33.75; May 21, 32.77; Oct. 29, 33.72.

400. Schmidt Estate. Eleven miles northeast of Katy. Water levels, in feet below measuring point, 1941: Jan. 21, 29.32; Mar. 12, 28.47; May 21, 27.28; Oct. 29, 27.62.

456. Frank Willberg. On Hempstead road, 0.5 mile southeast of Fairbanks.

Harris County--Continued

456. Frank Willberg.--Continued.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	43.04	May 23	40.89	Aug. 16	41.20	Nov. 5	42.06
Mar. 1	42.34	July 7	40.60	Sept.19	41.98	Dec. 19	41.64
Apr. 4	41.50						

512. Ed Nichols. Eight and one-half miles west-northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Mar. 1	5.40	July 7	5.10	Nov. 5	3.92
Apr. 4	5.24	Sept. 4	8.20	Dec. 19	4.90

519. Felix Myers. Six and three-quarters miles west-northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	6.69	Apr. 4	5.90	July 7	6.20	Nov. 5	2.75
Mar. 1	5.50	May 23	6.80	Sept. 4	8.30	Dec. 19	5.50

602. River Oaks County Club. Four miles north of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 28	71.56	Mar. 29	70.00	July 17	73.31	Sept.27	75.20
Feb. 18	70.75	May 20	71.70	Aug. 14	77.00	Nov. 24	74.30

604. West End Ice Company. Two and one-half miles northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 28	72.30	Mar. 29	70.12	July 17	81.00	Sept.29	80.04
Feb. 18	71.02	May 20	72.60	Aug. 14	82.05	Nov. 19	79.18

606. Henke & Pillot. Two miles west-northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 28	90.27	Mar. 29	87.17	July 17	91.44	Sept.29	94.74
Feb. 18	85.15	May 20	88.94	Aug. 14	93.92	Nov. 19	93.27

608. Fidelity Products Company. One and three-quarters miles west-northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 28	80.27	Mar. 29	79.48	July 17	90.18	Sept.29	92.40
Feb. 18	79.60	May 20	83.72	Aug. 14	92.38	Nov. 19	89.39

609. Fidelity Products Company. One and three-quarters miles west-northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 28	95.20	Mar. 29	90.93	July 17	95.75	Sept.29	98.68
Feb. 18	89.74	May 20	93.80	Aug. 14	98.77	Nov. 19	97.85

610. No measurements made in 1941.

619. City of Houston. One and one-half miles west-northwest of Houston.

Water level, in feet below measuring point, 1941

Jan. 10	93.36	Feb. 1	91.68	Feb. 15	86.31	Mar. 1	90.11
17	92.81	8	91.25	22	84.32	29	86.39
25	91.74						

620. Public Laundries. At 1601 West Webster Street in Houston. Water level, in feet below measuring point, 1941: May 25, 120.78.

Harris County--Continued.

651a. A. Wilke. Nine miles north of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	62.75	June 3	61.63	Sept. 3	62.95	Nov. 4	63.10
Feb. 26	62.23	July 3	61.73	19	62.92	Dec. 16	63.17
Apr. 8	61.65						

651b. A. Wilke. Nine miles north of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 27	8.20	June 3	10.94	Sept. 3	12.30	Nov. 4	6.82
Feb. 26	7.88	July 3	9.33	19	11.73	Dec. 16	7.86
May 8	8.53						

651c. J. W. Follis. Gulf Bank Road, 0.55 mile east of U. S. Highway 75.

Water level, in feet below measuring point, 1941

Jan. 27	54.86	Apr. 8	53.96	Sept. 3	56.73	Nov. 4	55.27
Feb. 26	54.45	July 3	53.99	19	55.02	Dec. 16	55.23

651d. Eight miles north of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 27	67.67	June 3	66.82	Sept. 3	68.48	Nov. 4	68.46
Feb. 26	66.98	July 3	67.08	19	68.30	Dec. 16	68.79
Apr. 7	66.52	Aug. 15	67.90				

656. Texas Creosoting Company. Four and one-half miles north of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 20	94.25	July 7	97.00	Nov. 19	97.14
May 7	93.60	Sept.29	99.60		

662. South Texas Cotton Oil Company. Two and one-half miles north-northeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Mar. 31	98.95	July 7	99.15	Nov. 19	103.32
June 4	97.86	Aug. 15	101.43		

663. South Texas Cotton Oil Company. Two and three-quarters miles north-northeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	74.58	Mar. 31	73.33	July 7	77.40	Sept.29	79.10
Feb. 20	72.75	June 4	75.22	Aug. 15	79.35	Nov. 19	78.78

665. National Lumber and Creosoting Company. Two and three-quarters miles north-northwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 20	73.56	Mar. 31	72.20	July 7	74.10	Nov. 19	76.35
Feb. 20	71.84	June 4	72.75	Sept.29	76.28		

666a. Houston Foundry & Machine Company. At 2005 White and Weber Streets, Houston.

Water level, in feet below measuring point, 1941

Jan. 28	85.59	Mar. 29	83.63	July 17	92.94	Nov. 19	94.04
Feb. 18	84.63	May 20	86.46	Aug. 14	94.50		

677. No measurements made in 1941.

Harris County--Continued.

680. Houston Electric Company. One-half mile northeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	79.44	Feb. 18	80.58	June 5	88.01	Sept.29	86.90
17	77.28	Mar. 1	79.45	July 7	88.10	Nov. 17	82.29
25	77.16	28	78.47	Aug. 14	88.68	Dec. 19	82.98
Feb. 1	75.95						

695. No measurements made in 1941.

738. Houston Packing Company. One and one-half miles east of Houston Post Office. Water levels, in feet below measuring point, 1941: Mar. 28, 73.15; July 7, 74.00; Sept. 29, 76.19.

748. Gulf Pipe Line Company. Five miles northeast of Houston Post Office. Unused drilled industrial well, diameter 6 inches, depth 721 feet. Measuring point, top of casing 2.5 feet above land surface.

Water level, in feet below measuring point, 1941

Jan. 20	83.07	Mar. 31	81.78	July 7	82.52	Nov. 19	85.28
Feb. 20	81.76	June 4	81.98	Aug. 15	84.30	Dec. 31	85.86

751. The Texas Pipe Line Company. Six miles east-northeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 20	92.12	June 4	91.68	Aug. 15	93.68	Nov. 19	94.76
Feb. 20	90.80	July 7	92.18	Sept.29	94.90	Dec. 31	95.12
Mar. 31	91.02						

757. Layne-Bowler Company. Four and one-quarter miles east of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 20	95.00	June 4	94.50	Aug. 15	97.00	Nov. 19	98.50
Feb. 20	94.00	July 7	95.50	Sept.29	99.00	Dec. 31	100.00

759. Port City Compress & Warehouse Company. Four and three-quarters miles east of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 20	102.08	June 4	102.80	Aug. 15	105.06	Nov. 19	107.00
Feb. 20	101.70	July 7	103.60	Sept.29	106.65	Dec. 30	106.73
Mar. 31	101.34						

783. Houston Riding & Polo Club. Six miles west of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 20	119.70	June 4	123.03	Aug. 15	121.17	Nov. 18	124.76
Feb. 20	118.44	July 7	122.29	Sept.29	121.70	Dec. 30	124.83
Mar. 31	118.93						

787. American Service Company. Two and one-half miles west-southwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 28	73.72	Mar. 29	72.35	July 17	77.48	Sept.27	79.45
Feb. 18	72.97	May 20	72.62	Aug. 14	79.03	Nov. 19	76.54

787a. American Service Company. At 1623 Westheimer Street in Houston. Water levels, in feet below measuring point, 1941: Jan. 28, 80.18; Feb. 18, 78.23; Nov. 19, 86.27.

787b. No measurements made in 1941.

788. No measurements made in 1941.

790. Southern United Ice Company. Two miles south-southwest of Houston Post Office. Water levels, in feet below measuring point, 1941: Feb. 17, 77.90; Apr. 5, 78.07; May 20, 81.47; Dec. 19, 87.20.

Harris County--Continued.

798. Rice Institute. Three and one-half miles southwest of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 28	69.01	Apr. 5	67.73	July 16	73.37
Feb. 17	69.12	May 20	69.55	Nov. 24	74.10

798a. H. C. Weiss. South Main and Sunset Streets in Houston. Water levels, in feet below measuring point, 1941: Jan. 28, 79.15; Feb. 17, 79.20; Apr. 5, 76.73.

807a. City of Bellaire. Rice and Jessamine Streets at water tower in Bellaire. Water levels, in feet below measuring point, 1941: Jan. 21, 54.78; June 3, 54.30; July 16, 54.91; Aug. 14, 56.94.

809. Gem Electric and Ice Company. In Bellaire.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	70.22	June 3	69.90	Aug. 14	71.72	Nov. 24	72.24
Feb. 19	69.75	July 16	70.40	Sept.27	72.25		

820. Institute Place. Almeda Road, 5.5 miles south-southwest of Houston Post Office. Water levels, in feet below measuring point, 1941: Feb. 17, 40.05; Apr. 5, 40.11; May 20, 39.96; June 3, 40.24.

853. Port City Ice Company. At 2715 McKinney Avenue in Houston.

Water level, in feet below measuring point, 1941

Jan. 21	93.87	Mar. 28	96.51	July 8	115.90	Dec. 19	98.73
Feb. 18	92.26	June 5	112.35	Nov. 17	114.18		

854. Port City Ice Company. One mile southeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 21	95.75	Mar. 28	96.51	July 8	108.05	Dec. 19	100.63
Feb. 18	93.92	June 5	105.10	Nov. 17	106.95		

868. Hughes Tool Company. Three miles southeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 21	71.04	Mar. 28	70.59	Nov. 17	74.36
Feb. 20	70.62	June 5	73.95	Dec. 19	72.60

876. Houston Country Club. Three and three-quarters miles southeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	82.53	May 21	85.01	Aug. 15	89.30	Nov. 17	88.07
Feb. 20	81.78	June 5	86.43	Sept.29	90.80	Dec. 19	86.66
Mar. 28	81.75	July 8	87.20				

878. Houston Compress Company. Anderson-Clayton Turning Basin in Houston.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 21	91.89	Mar. 28	90.99	Sept.29	94.92
Feb. 20	90.30	May 21	92.80	Dec. 19	96.30

Harris County--Continued.

881. Terminal Compress & Warehouse Company. Eighty-second and Harrisburg Streets in Houston.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	91.65	May 21	92.90	Aug. 15	95.70	Nov. 17	96.50
Feb. 20	91.10	June 5	93.84	Sept.29	96.92	Dec. 19	96.85
Mar. 28	91.40	July 8	94.70				

883. Tennessee Coal and Iron Railroad Company. U. S. Steel. Near Morgan Line Docks on Bayou, 6.75 miles southeast of Houston Post Office.

Water level, in feet below measuring point, 1941

Jan. 20	119.70	June 4	123.03	Aug. 15	121.17	Nov. 18	124.76
Feb. 20	118.44	July 7	122.29	Sept.29	121.70	Dec. 30	124.83
Mar. 31	118.93						

886. No measurements made in 1941.

890. Texas Chemical Company. Six miles southeast of Houston Post Office. Water levels, in feet below measuring point, 1941: Jan. 21, 112.30; Mar. 28, 112.35.

898a. Allen Estate. Park Place Boulevard and Poplar Street in Houston.

Water level, in feet below measuring point, 1941

Jan. 21	90.45	May 21	91.67	Aug. 13	94.48	Nov. 18	95.80
Feb. 19	90.10	June 5	92.82	Sept.30	95.63	Dec. 19	94.78
Mar. 28	90.19	July 8	94.42				

905. Measurements discontinued.

1019. Captain Crotty. Morgans Point, bank of channel, north of U. S. Engineers Reservation, Houston.

Water level, in feet below measuring point, 1941

Jan. 20	64.10	Mar. 28	65.13	July 8	67.87	Nov. 18	74.98
Feb. 19	64.18	June 4	66.74	Sept.30	72.84	Dec. 30	75.97

1020. U. S. Engineers Reseryation. Morgans Point, Houston.

Water level, in feet below measuring point, 1941

Jan. 20	61.25	Mar. 28	62.25	July 8	64.95	Nov. 18	74.41
Feb. 19	61.21	June 4	63.87	Sept.30	72.54	Dec. 30	75.19

1101a. M. M. Graves Estate. Eight and one-half miles east-northeast of South Houston.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 20	95.62	Mar. 28	95.60	Dec. 30	106.06
Feb. 19	95.85	Nov. 18	104.07		

1104. City of La Porte. La Porte water plant. Used drilled public supply well, diameter 10 inches, depth 570 feet. Measuring point, top of tee in air line, 1.0 feet above land surface. Equipped with air lift.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	81.75	Mar. 28	82.37	July 8	85.45	Dec. 30	95.00
Feb. 19	81.58	June 4	83.59	Nov. 18	90.28		

1105. A. A. Womack. Thirteen miles east of South Houston. Water level, in feet below measuring point, 1941: Feb. 19, 61.04.

1152a. City of Galena Park. In Galena.

Water level, in feet below measuring point, 1941

Jan. 20	117.75	June 4	120.17	Aug. 15	118.54	Nov. 18	122.01
Mar. 31	118.00	July 7	120.79	Sept.29	122.35	Dec. 30	122.29

Harris County--Continued.

1154. Universal Water Company. Four and three-quarters miles north of South Houston in Galena Park.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	80.86	Mar. 31	80.65	July 7	81.92	Dec. 30	84.32
Feb. 20	80.91	June 4	82.07	Nov. 18	84.03		

1161. Sinclair Refining Company. Three miles north of South Houston.

Water level, in feet below measuring point, 1941

Jan. 10	124.80	Jan. 25	125.03	Mar. 2	125.82	June 4	129.00
17	125.38	Feb. 20	125.05	28	125.29		

1176. The Texas Company. At refinery in Galena Park, 5.25 miles north-northeast of South Houston.

Water level, in feet below measuring point, 1941

Jan. 3	70.19	Feb. 20	70.22	June 4	73.20	Nov. 18	83.93
10	70.79	Mar. 31	70.41	July 7	71.29	Dec. 30	81.85
25	71.76						

1182. Port Terminal Railroad Company. Southeast corner of Crown Refinery.

Water level, in feet below measuring point, 1941

Jan. 20	140.00	Mar. 28	139.05	July 8	140.33	Dec. 30	139.62
Feb. 19	138.36	June 4	143.30	Nov. 18	140.03		

1187. City of Pasadena. Three and one-half miles north-northeast of South Houston. Water levels, in feet below measuring point, 1941: Jan. 31, 127; Feb. 15, 130; Feb. 18, 128; Mar. 15, 130.

1187a. City of Pasadena. Three and one-half miles north-northeast of South Houston. Water levels, in feet below measuring point, 1941: Jan. 31, 126; Feb. 15, 129; Feb. 28, 133; Mar. 15, 128.

1194a. Deepwater Quadrangle, 0.5 mile south of Deepwater railroad station. Water levels, in feet below measuring point, 1941: Jan. 20, 100.01; Feb. 19, 99.24; Mar. 28, 98.50; May 21, 100.30.

1194b. Deepwater Quadrangle, 0.5 mile south of Deepwater railroad station.

Water level, in feet below measuring point, 1941

Jan. 20	14.87	Mar. 28	13.90	July 8	12.87	Dec. 30	11.21
Feb. 19	14.46	June 4	13.57	Nov. 18	11.38		

1205. City of South Houston. At water plant. Used drilled public supply well, diameter 8 inches, depth 668 feet. Measuring point, top of 3/4-inch opening in reducer on top of special 1¼-inch measuring pipe, 1.5 feet above land surface. Equipped with electric turbine pump. Water level, in feet below measuring point, 1941: June 5, 82.26.

1209. Fireworks Company. One-half mile southeast of South Houston.

Water level, in feet below measuring point, 1941

Jan. 21	61.89	June 5	64.50	Aug. 15	64.48	Nov. 18	65.10
Feb. 19	61.98	July 8	64.20	Sept.30	64.92	Dec. 30	65.14
Mar. 28	61.98						

Hartley County

No measurements made in Hartley County in 1941.

Hays County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

106. Henry Armbruster. Ten feet north of elevated steel tank, 1.25 miles northwest of Buda. Water levels, in feet below measuring point, 1941: Jan. 30, 153.26; Mar. 28, 144.83; Aug. 8, 118.46; Nov. 18, 131.46.

110. M. O. Rogers. About 100 feet south of county road, about 100 feet east of rock house, 7 miles west of Buda.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 30	18.70	May 31	8.85	Nov. 18	54.20
Mar. 28	5.46	Aug. 8	52.06		

126. One hundred feet east of county road, 9.75 miles west of Buda.

Water level, in feet below measuring point, 1941

Jan. 30	95.45	May 31	85.66	Nov. 18	90.41
Mar. 28	83.92	Aug. 8	89.21		

127. No measurements made in 1941.

234-A. N. E. Hughes. About 150 feet south of well 677-A, 0.25 mile northwest of Wimberly. Water levels, in feet below measuring point, 1941: Jan. 30, 17.76; May 23, 16.58; Aug. 7, 17.41; Nov. 19, 18.17.

348. P. K. Karnes. At house on hilltop, about 300 feet northeast of State Highway 80, 1.25 miles northwest of San Marcos. Water levels, in feet below measuring point, 1941: Jan. 29, 252.68; May 22, 248.30; Aug. 8, 249.80.

349. E. Brooks. About 100 feet west of county road, about 300 feet south of State Highway 80, 1.75 miles northwest of San Marcos. Water levels, in feet below measuring point, 1941: Jan. 24, 163.03; Mar. 28, 161.05; May 22, 158.64; Aug. 8, 159.95.

502. No measurements made in 1941.

504. Glynn C. Key. Two hundred feet north of U. S. Highway 290, 2.3 miles west of Hays-Travis County line.

Water level, in feet below measuring point, 1941

Jan. 30	35.48	May 29	34.65	Nov. 19	35.50
Mar. 27	34.88	Aug. 6	35.49		

505. Glynn C. Key. Two feet north of well 504.

Water level, in feet below measuring point, 1941

Jan. 30	63.47	May 29	46.99	Nov. 19	59.38
Mar. 27	47.64	Aug. 6	57.49		

506. John L. Tinney. One hundred fifty feet north of U. S. Highway 290, 0.7 mile east of Dripping Springs, 6.8 miles west of Hays County line.

Water level, in feet below measuring point, 1941

Jan. 30	8.82	May 29	8.96	Nov. 19	34.26
Mar. 27	8.06	Aug. 6	16.69		

507. John L. Tinney. Twenty-one feet east of well 506.

Water level, in feet below measuring point, 1941

Jan. 30	55.15	May 29	54.16	Nov. 19	62.21
Mar. 27	49.59	Aug. 6	59.59		

524. H. W. Hageman. Ten feet east of water tank, 100 feet north of local road which turns west from old U. S. Highway 81 at a point 1.8 miles north of courthouse in San Marcos.

Water level, in feet below measuring point, 1941

Jan. 29	32.35	May 22	29.34	Nov. 18	31.77
Mar. 28	30.50	Aug. 8	29.95		

Hays County--Continued.

528. F. N. Whaley. One-tenth mile west of old U. S. Highway 81, 4.75 miles north of courthouse in San Marcos. Water levels, in feet below measuring point, 1941: Jan. 29, 96.18; May 22, 92.13; Aug. 8, 93.90; Nov. 18, 95.91.

529. Nicholas Thiele. At south edge of Kyle, 15 feet south of street, 25 feet northeast of first house west of railway.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 29	140.07	May 22	130.98	Nov. 18	133.69
Mar. 28	136.51	Aug. 8	131.11		

532. San Antonio bank. On old U. S. Highway 81, 150 feet east of highway, 3.2 miles north of Kyle. Water levels, in feet below measuring point, 1941: Jan. 29, 156.07; May 31, 133.70; Nov. 18, 143.72.

534. S. B. Barber. In Buda, on west side near north end of Main Street. Equipped with automatic pump since July 26, 1940.

Water level, in feet below measuring point, 1941

Jan. 30	111.06	May 22	89.34	Nov. 18	108.16
Mar. 28	100.71	Aug. 8	88.85		

535. Thomas Yoe. One hundred feet east of U. S. Highway 81, 0.2 mile south of Hays-Travis County line.

Water level, in feet below measuring point, 1941

Jan. 30	26.02	Mar. 28	25.31	Aug. 8	24.28
Feb. 26	25.94	May 22	23.47	Nov. 18	26.14

543. W. P. Donaldson. Five hundred feet northwest of old U. S. Highway 81, 2.6 miles southwest of San Marcos.

Water level, in feet below measuring point, 1941

Jan. 24	7.70	May 22	11.47	Nov. 18	36.57
Mar. 28	5.01	Aug. 8	62.60		

553. G. M. Jackson. On old U. S. Highway 81, opposite school house, 300 feet west of road, 2.95 miles southwest of courthouse at San Marcos. Water levels, in feet below measuring point, 1941: Jan. 24, 119.72; Mar. 28, 117.91; Aug. 8, 115.60; Nov. 18, 117.86.

565. San Antonio bank. On old U. S. Highway 81, 1 mile north of Kyle. Water levels, in feet below measuring point, 1941: Jan. 29, 150.20; May 31, 136.21; Aug. 8, 142.23.

585. R. F. Clayton. On State Highway 80, 100 feet southwest of road intersection, 4.15 miles south of Wimberly.

Water level, in feet below measuring point, 1941

Jan. 30	59.15	May 23	57.26	Nov. 19	60.43
Mar. 27	57.11	Aug. 7	64.89		

586. W. A. Leath. Two hundred fifty feet east of State Highway 80, 1 mile southeast of Wimberly. Water levels, in feet below measuring point, 1941: Jan. 30, 39.21; May 23, 26.75; Aug. 7, 33.29; Nov. 19, 38.34.

590. Fred Boyett. One hundred feet south of local road, 3.2 miles west of well 585, 4.15 miles southwest of Wimberly. Water levels, in feet below measuring point, 1941: Jan. 30, 59.32; Mar. 27, 54.13; Aug. 7, 56.73; Nov. 19, 61.40.

591. Fred Boyett. One hundred feet south of well 590.

Water level, in feet below measuring point, 1941

Jan. 30	11.29	May 23	9.68	Nov. 19	45.26
Mar. 27	6.78	Aug. 7	11.76		

613. A. J. Haley. One hundred fifty feet west of road, 11.4 miles south of Dripping Springs. Water level, in feet below measuring point, 1941: Jan. 30, 162.24.

Hays County--Continued.

614. J. D. McCall. Fifty feet west of road, 6.85 miles south of Dripping Springs.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 30	24.13	May 29	24.12	Nov. 19	44.38
Mar. 27	21.59	Aug. 6	25.42		

615. Wiley Roberts. One-tenth mile west of county road, 4.6 miles south of Dripping Springs.

Water level, in feet below measuring point, 1941

Jan. 30	85.89	May 29	85.82	Nov. 19	86.00
Mar. 27	85.84	Aug. 6	85.85		

629. J. N. Byler. Forty feet northeast of rock house, 100 feet east of road, 6.45 miles north of Wimberly. Water level, in feet below measuring point, 1941: Nov. 19, 219.34.

677-A. T. E. Hughes. At northwest edge of Wimberly.

Water level, in feet below measuring point, 1941

Jan. 30	29.55	May 23	28.37	Nov. 19	29.98
Mar. 27	29.09	Aug. 7	29.22		

677. J. E. Bryant. Six and fifty-five hundredths miles north of Wimberly.

Water level, in feet below measuring point, 1941

Jan. 30	100.25	May 29	91.00	Nov. 19	92.45
Mar. 27	82.40	Aug. 6	88.89		

678. J. E. Bryant. One-tenth mile south of well 677.

Water level, in feet below measuring point, 1941

Jan. 30	274.80	May 29	255.02	Nov. 19	274.11
May 27	269.17	Aug. 6	271.62		

699. A. A. Elsner. One and six-tenths miles south of Dripping Springs. Water levels, in feet below measuring point, 1941: Jan. 30, 92.90; Mar. 27, 79.81; May 29, 82.79; Aug. 6, 103.59.

706. Jim Roberts. Seventy-five feet east of road, 0.9 mile north of Wimberly, 14.4 miles south of Dripping Springs. Water level affected by heavy rains.

Water level, in feet below measuring point, 1941

Jan. 30	8.29	May 29	7.87	Nov. 19	64.65
Mar. 27	5.33	Aug. 7	60.68		

Hemphill County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

1. Twelve and eight-tenths miles northwest of northern end of Canadian River bridge, thence 0.5 mile southeast by way of rock trail. Water level, in feet below measuring point, 1941: Dec. 5, 137.96.

2. No measurements made in 1941.

3. No measurements made in 1941.

4. No measurements made in 1941.

5. No measurements made in 1941.

7. Measurements discontinued.

Henderson County

No measurements made in Henderson County in 1941.

Hockley County

Well numbers correspond to those in Water-Supply Papers, 840, 845, 886 and 909.

5. Santa Fe Railroad Company. In Smyer. Water level, in feet below measuring point, 1941: Nov. 14, 90.40.

7. No measurements made in 1941.

18. On south line of lab. 21, lge. 67, Hardeman County School Land, 8.0 miles west of railroad depot in Levelland. Water level, in feet below measuring point, 1941: Mar. 21, 133.47.

19. Mrs. W. T. Coble. NW¼ lab. 30, lge. 65, Hardeman County School Land, 9.55 miles west of railroad depot in Levelland. Water level, in feet below measuring point, 1941: Mar. 21, 143.88.

21a. O. E. Lucas. SE¼NE¼ sec. 14, blk. I, 0.9 mile south and 3 miles west of Ropes. Water level, in feet below measuring point, 1941: Nov. 18, 62.63.

22a. Town of Ropes. At east edge of small park, 0.4 mile east of railroad depot in Ropes. Water level, in feet below measuring point, 1941: Nov. 18, 98.43.

24. R. Y. Hughen. SW¼ sec. 99, blk. A, R. M. Thomson survey, 2 miles southeast of railroad depot in Anton. Water levels, in feet below measuring point, 1941: Mar. 20, 28.52; May 30, 25.13; July 29, 23.22; Nov. 18, 21.79.

25. Texas Highway Department. SW¼ sec. 105, blk. A, R. M. Thomson survey, 0.6 mile east of railroad depot in Anton. Water levels, in feet below measuring point, 1941: Mar. 20, 30.63; May 30, 30.06; July 29, 28.43; Nov. 18, 27.40.

28. Dan Jackson and Paul Whitfield. NW cor. SW¼ sec. 106, blk. A, R. M. Thomson survey, 0.35 mile west and 0.5 mile south of railroad depot in Anton. Water levels, in feet below measuring point, 1941: Mar. 20, 36.34; May 30, 35.78; Nov. 18, 33.11.

29. A. L. Lindsey. SE cor. SE¼ sec. 124, blk. A, R. M. Thomson survey, 1.7 miles west of railroad depot in Anton. Water levels, in feet below measuring point, 1941: Mar. 20, 32.05; May 30, 30.56; July 29, 28.40; Nov. 18, 27.31.

125. E. F. Allen. SE¼NE¼SW¼ sec. 87, blk. A, 1 mile west of railroad water tank in Roundup. Water levels, in feet below measuring point, 1941: Mar. 20, 66.80; Nov. 18, 64.24.

126. W. M. Alexander. SE¼SE¼SW¼ sec. 89, blk. A, 3 miles south of Anton. Water levels, in feet below measuring point, 1941: Mar. 20, 28.98; Nov. 18, 23.42.

127. Leeds. SE¼SE¼SE¼ sec. 90, blk. A, 3 miles south of Anton. Water level, in feet below measuring point, 1941: Mar. 20, 24.55.

Howard County

Well numbers correspond to those in Water-Supply Papers 817, 840, 845, 886 and 909.

51. City of Big Spring. Measurements furnished by B. J. McDaniel, City Manager.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	124.58	121.83	.....	125.00	122.92	.....
2	.....	.....	118.83	.....	.....	121.42
3	.....	121.67	.....	125.00	122.75	.....
4	124.33	.....	.....	.....	.....	121.33
5	.....	121.50	.....	.....	122.67	.....
6	.....	.....	.....	.....	.....	.....
7	124.00	121.25	118.58	124.75	122.58	121.25

Howard County--Continued.

51. City of Big Spring.--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June
8	.....	121.17	.....	.....	.....	122.08
9	.....	.....	119.83	124.67	122.58	.....
10	123.75	.....	.....	.....	.....	123.00
11	.....	120.00	120.92	.....	122.50	123.33
12	123.50	.....	.....	124.58	.....	.....
13	.....	.....	121.00	.....	.....	.....
14	.....	119.75	121.67	124.42	122.42	.....
15	123.25	119.67	122.92	.....	.....	123.67
16	123.08	.....	.....	124.00	122.25	124.17
17	.....	.....	123.33	.....	122.25	124.25
18	122.92	119.42	123.42	.....	.....	.....
19	.....	.....	123.58	123.75	122.17	.....
20	.....	.....	.....	.....	.....	122.50
21	.....	119.08	.....	123.67	122.08	.....
22	.....	.....	123.75	.....	.....	.....
23	.....	.....	.....	123.58	.....	121.33
24	122.67	.....	.....	.....	122.00	.....
25	122.42	.....	124.00	123.50	.....	121.00
26	.....	.....	.....	.....	121.92	.....
27	.....	.....	124.42	123.42	.....	120.50
28	122.17	119.00	.....	.....	.....	.....
29	.....	.....	124.75	.....	121.67	.....
30	122.00	.....	.....	123.08	.....	.....
31	.....	.....	.....	.....	.....	.....

Water level, in feet below measuring point, 1941

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	120.42	118.42	.....	.....	.....	.....
2	.....	.....	117.08	117.00	.....	.....
3	120.17	.....	.....	.....	114.25	113.08
4	.....	118.33	.....	.....	.....	.....
5	.....	.....	117.00	116.67	.....	.....
6	119.92	120.00	.....	.....	114.17	112.83
7	.....	.....	.....	116.42	.....	.....
8	119.83	.....	116.92	.....	.....	.....
9	.....	119.25	.....	116.25	.....	112.67
10	.....	.....	116.83	.....	114.08	.....
11	119.42	119.00	.....	115.75	.....	.....
12	.....	.....	116.67	.....	.....	112.50
13	.....	118.75	.....	.....	.....	112.83
14	.....	.....	116.42	115.50	113.92	112.92
15	118.83	118.50	.....	.....	.....	.....
16	.....	.....	.....	.....	.....	113.75
17	118.67	.....	116.33	.....	113.83	113.92
18	.....	118.17	.....	.....	.....	.....
19	118.42	.....	116.25	.....	.....	.....
20	.....	.....	.....	115.00	113.75	113.25
21	118.25	118.00	.....	.....	.....	.....
22	.....	.....	116.17	.....	.....	.....
23	.....	117.75	116.58	114.92	113.67	113.00
24	118.50	.....	.....	.....	.....	.....
25	.....	117.50	.....	114.83	.....	.....
26	.....	.....	116.67	.....	113.58	112.83
27	.....	117.33	.....	.....	.....	.....
28	118.58	.....	116.50	.....	113.42	.....
29	.....	117.17	.....	114.58	.....	112.58
30	.....	.....	117.25	.....	113.25	.....
31	.....	.....	.....	.....	.....	112.42

Howard County--Continued.

56. City of Big Spring. Measurements furnished by B. J. McDaniel, City Manager.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	138.83	135.83	.....	134.67	129.67	.....
2	.....	.....	.....	134.33	.....	.....
3	.....	135.67	133.42	134.00	129.17	125.08
4	138.50	.....	.....	133.83	.....	.....
5	.....	135.50	.....	133.75	.....	.....
6	.....	.....	133.25	133.58	128.67	.....
7	138.25	135.33	133.17	133.50	.....	.....
8	.....	135.25	133.33	133.42	128.33	.....
9	.....	.....	133.42	133.25	.....	.....
10	138.00	.....	133.33	133.08	128.00	125.08
11	.....	135.00	133.50	.....	.....	125.25
12	137.75	.....	133.58	132.83	127.58	.....
13	.....	.....	133.75	.....	.....	.....
14	.....	134.83	134.00	132.75	127.33	.....
15	137.50	134.75	134.17	.....	.....	125.17
16	137.42	.....	134.25	.....	127.08	125.58
17	.....	.....	134.42	132.58	.....	124.25
18	137.17	134.42	134.50	.....	.....	.....
19	.....	.....	134.42	131.92	126.75	.....
20	.....	.....	134.58	.....	.....	123.33
21	136.92	134.17	134.67	131.67	.....	.....
22	.....	.....	134.75	.....	126.42	.....
23	.....	.....	134.83	131.08	.....	122.83
24	.....	.....	134.83	.....	126.25	.....
25	136.50	133.83	134.92	130.75	.....	121.75
26	.....	.....	135.00	.....	126.00	.....
27	.....	.....	134.75	130.58	.....	121.58
28	136.17	133.50	134.58	.....	125.75	.....
29	.....	.....	134.67	130.25	.....	.....
30	136.00	.....	134.58	.....	125.42	.....
31	.....	.....	.....	.....	.....	.....

Water level, in feet below measuring point, 1941

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	121.25	119.58	.....	.....	.....	.....
2	.....	.....	117.08	117.00	.....	.....
3	121.00	.....	.....	.....	113.75	111.92
4	.....	119.42	.....	.....	.....	.....
5	.....	.....	116.92	116.58	.....	.....
6	120.67	119.92	.....	.....	113.50	111.75
7	.....	.....	.....	116.08	.....	.....
8	120.42	.....	116.83	.....	.....	.....
9	.....	119.83	.....	115.67	.....	111.58
10	.....	.....	116.75	.....	113.25	.....
11	120.08	119.42	.....	115.42	.....	.....
12	.....	.....	116.42	.....	.....	111.42
13	.....	119.00	.....	.....	.....	112.67
14	.....	.....	116.33	115.08	113.08	112.92
15	119.58	118.58	.....	.....	.....	.....
16	.....	.....	.....	.....	.....	112.67
17	119.50	.....	116.17	.....	112.92	113.00
18	.....	118.17	.....	.....	.....	.....
19	119.33	.....	116.08	.....	.....	.....
20	.....	.....	.....	114.50	112.75	112.33
21	119.25	117.92	.....	.....	.....	.....
22	.....	.....	116.00	.....	.....	.....
23	.....	117.67	116.75	114.33	112.58	111.92
24	120.17	.....	.....	.....	.....	.....
25	.....	117.50	.....	114.25	.....	.....
26	.....	.....	117.33	.....	112.50	111.75
27	.....	117.42	.....	.....	.....	.....
28	119.83	.....	117.25	.....	112.33	.....
29	.....	117.33	.....	114.00	.....	111.42
30	.....	.....	118.33	.....	112.17	.....
31	.....	.....	.....	.....	.....	111.33

Howard County--Continued.

65. City of Big Spring. Measurements furnished by B. J. McDaniel, City Manager.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	141.17	139.50	.....	140.50	138.83	.....
2	.....	.....	.....	140.42	.....	.....
3	.....	139.50	138.83	140.33	138.75	137.08
4	141.08	.....	.....	140.33	.....	.....
5	.....	139.42	.....	140.25	.....	.....
6	.....	.....	138.75	140.17	138.67	.....
7	141.00	139.33	138.67	140.08	.....	.....
8	.....	139.33	138.83	140.08	138.58	.....
9	.....	.....	138.92	140.00	.....	.....
10	140.83	.....	138.92	140.00	138.50	137.00
11	.....	139.25	139.00	139.92	.....	137.42
12	140.67	.....	139.08	139.83	138.42	.....
13	.....	.....	139.25	139.75	.....	.....
14	.....	139.17	139.33	139.67	138.33	.....
15	140.50	139.17	139.42	.....	.....	137.58
16	140.33	.....	139.50	.....	138.17	137.75
17	.....	.....	139.67	139.50	.....	137.83
18	140.08	139.08	139.83	.....	.....	.....
19	.....	.....	139.92	139.42	138.08	.....
20	.....	.....	139.92	.....	.....	134.08
21	139.83	139.00	140.08	139.33	.....	.....
22	.....	.....	140.33	.....	137.83	.....
23	.....	.....	140.75	139.25	.....	133.08
24	.....	.....	140.67	.....	137.67	.....
25	139.75	139.00	140.67	139.17	.....	132.33
26	.....	.....	140.58	.....	137.50	.....
27	.....	.....	140.42	139.08	.....	132.08
28	139.67	138.92	140.33	.....	137.33	.....
29	.....	.....	140.33	138.92	.....	.....
30	139.58	.....	140.42	.....	137.17	.....
31	.....	.....	.....	.....	.....	.....

Water level, in feet below measuring point, 1941

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	131.75	129.50	.....	.....	.....	.....
2	.....	.....	127.17	126.00	.....	.....
3	131.58	.....	.....	.....	123.33	121.33
4	.....	129.17	.....	.....	.....	.....
5	.....	.....	126.92	125.75	.....	.....
6	131.42	129.92	.....	.....	123.25	121.08
7	.....	.....	.....	.....	.....	.....
8	131.25	.....	126.83	.....	.....	.....
9	.....	129.83	.....	125.33	.....	120.83
10	.....	.....	126.75	.....	123.08	.....
11	130.83	129.33	.....	125.25	.....	.....
12	.....	.....	126.58	.....	.....	120.67
13	.....	128.83	.....	.....	.....	121.42
14	.....	.....	126.42	125.00	122.83	121.83
15	130.33	128.67	.....	.....	.....	.....
16	.....	.....	.....	.....	.....	122.08
17	130.17	.....	126.25	.....	122.67	122.25
18	.....	128.25	.....	.....	.....	.....
19	130.00	.....	126.17	.....	.....	.....
20	.....	.....	.....	124.33	122.50	122.08
21	129.83	128.00	.....	.....	.....	.....
22	.....	.....	126.08	.....	.....	.....
23	.....	127.83	126.33	124.08	122.33	121.67
24	130.00	.....	.....	.....	.....	.....
25	.....	127.67	.....	123.83	.....	.....
26	.....	.....	126.42	.....	122.08	121.58
27	.....	127.58	.....	.....	.....	.....
28	129.67	.....	126.25	.....	121.83	.....
29	.....	127.42	.....	123.67	.....	121.42
30	.....	.....	127.17	.....	121.67	.....
31	.....	.....	.....	.....	.....	121.33

Howard County--Continued.

606. Mrs. Cora Eley. Four and one-half miles southwest of Big Spring. Water level, in feet below measuring point, 1941: Dec. 17, 111.82.

846. No measurements made in 1941.

853. No measurements made in 1941.

859. No measurements made in 1941.

879. No measurements made in 1941.

893B. No measurements made in 1941.

898. No measurements made in 1941.

899. No measurements made in 1941.

915. No measurements made in 1941.

942. No measurements made in 1941.

Jackson County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

5. Jackson County. Thirty feet east of Upper Cordele School, 5.7 miles north of Cordele. Water levels, in feet below measuring point, 1941: Apr. 9, 35.41; Dec. 19, 35.19.

6. N. J. Marthiljohni. Windmill in pasture, without buildings, 50 feet west of county road, 1 mile south of Morales. Water levels, in feet below measuring point, 1941: Apr. 9, 33.37; Dec. 19, 34.27.

7. D. W. Schropshire. Fifty feet west of county road, 1.25 miles north of Navidad. Equipped with hand pump since Dec. 15, 1939. Water levels, in feet below measuring point, 1941: Apr. 9, 42.39; Dec. 19, 41.18.

11-A. Nellie Miller Estate. Thirty feet northeast of old well 11, 0.1 mile southwest of county road, about 5 miles south of Morales. Water levels, in feet below measuring point, 1941: Apr. 9, 33.56; Dec. 19, 34.41.

12. J. L. Shepherd. Three and three-fourths miles southeast of Morales. Water levels, in feet below measuring point, 1941: Apr. 9, 37.65; Dec. 19, 36.06.

14. Mrs. C. V. Watson. West side of road, 2.3 miles north of Cordele. Water level, in feet below measuring point, 1941: Dec. 19, 35.66.

56. A. H. Nagel. Fifty feet east of store at Cordele. Water levels, in feet below measuring point, 1941: Apr. 9, 33.56; Dec. 19, 32.79.

57. S. G. Drushel. At northwest corner of crossroads, 2.55 miles south of Cordele. Water levels, in feet below measuring point, 1941: Apr. 9, 39.18; Dec. 19, 38.05.

64. Wm. Clifford. Three and one-half miles west of Edna. Water levels, in feet below measuring point, 1941: Apr. 10, 33.56; Dec. 19, 34.07.

66. S. J. and E. F. Swenson. Two hundred feet west of road, 0.6 mile south of Navidad River, 5 miles northeast of Edna. Water levels, in feet below measuring point, 1941: Apr. 9, 36.67; Dec. 19, 36.33.

69. A. E. Westhoff. Three hundred feet south of Cordele road, 2.5 miles northeast of Edna. Water levels, in feet below measuring point, 1941: Apr. 9, 35.31; Dec. 19, 34.74.

71. W. Rogers. Six-tenths mile west of Lavaca River bridge, 3.7 miles west of Edna. Water level, in feet below measuring point, 1941: Dec. 19, 26.44.

76. Southern Pacific Railway Company. At southwest corner of Jackson County Courthouse square in Edna. Water level, in feet below measuring point, 1941: Apr. 10, 25.57.

78. Rose, Sample, Taylor and Bagby. North side of road, 2 miles east of Edna, opposite Mansion railroad station. Water levels, in feet below measuring point, 1941: Apr. 9, 31.07; Dec. 19, 29.21.

Jackson County--Continued.

103. A. C. Wilbeck. Six and one-tenth miles northwest of Ganado. Water levels, in feet below measuring point, 1941: Apr. 9, 36.40; Dec. 19, 37.42.

108-A. Sugarland Fig Growers Association. Ten feet east of well 108, in Ganado. Water levels, in feet below measuring point, 1941: Apr. 9, 27.48; Dec. 19, 26.77.

115. R. W. Silliman. Thirty feet southeast of road intersection, 5.3 miles southeast of Ganado. Water levels, in feet below measuring point, 1941: Apr. 10, 26.46; Dec. 19, 25.50.

123. Mrs. C. L. Gaines. One and two-tenths miles north of State Highway 111, 9 miles southeast of Ganado. Water levels, in feet below measuring point, 1941: Apr. 10, 25.22; Dec. 19, 24.60.

154. No measurements made in 1941; well flowing.

156. Bennie Elliott. Two-tenths mile west of Matagorda County line, 0.4 mile south of State Highway 35. Water level, in feet above measuring point, 1941: Dec. 20, 0.97.

180. L. Ward. On east side of road, at La Ward. Water level, in feet below measuring point, 1941: Dec. 20, 22.23.

228. Measurements discontinued.

229. W. A. Utzman. Eight-tenths mile south of Casa Blanca School, 2.9 miles north of Vanderbilt. Water levels, in feet below measuring point, 1941: Apr. 10, 33.19; Dec. 19, 32.87.

250. Royal Dedman. Fifty feet south of road, 5.5 miles northeast of Vanderbilt. Water levels, in feet below measuring point, 1941: Apr. 10, 35.39; Dec. 19, 35.87.

Jim Wells County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886 and 909.

193. M. Morales. Eight and one-half miles west-northwest of Ben Bolt. Water level, in feet below measuring point, 1941: Feb. 6, 28.08.

201. Santos Garcia. Eight and one-half miles west-southwest of Ben Bolt. Water level, in feet below measuring point, 1941: Feb. 6, 33.97.

206. Emilio Barrera. Six and one-half miles west of El Par. Water level, in feet below measuring point, 1941: Feb. 6, 57.07.

207. Roman Saenz. Six miles west of El Par. Water level, in feet below measuring point, 1941: Feb. 6, 72.66.

221. Felix Perez Cadena. Six miles west-northwest of Wadoto. Water level, in feet below measuring point, 1941: Feb. 6, 54.75.

222. Manuel Cadena. Six miles west-northwest of Wadoto. Water level, in feet below measuring point, 1941: Feb. 6, 53.88.

252. Cerapio Hinojosa. Six and one-half miles west-southwest of Ella. Water level, in feet below measuring point, 1941: Feb. 6, 56.63.

253. San Juan Hinojosa. Six and one-half miles west-southwest of Ella. Water level, in feet below measuring point, 1941: Feb. 6, 60.29.

374. E. G. Maun. Four and one-half miles northwest of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 6, 18.78.

391. O. A. Fore. Two and one-half miles north of Falfurrias. Water level, in feet below measuring point, 1941: Feb. 6, 26.72.

Kinney County

Well numbers correspond to those in Water-Supply Papers 840,845, 886 and 909.

XK-1. Ethel Whitaker. Three-tenths mile west of Kinney County line, 2.1 miles west of Cline on U. S. Highway 90. Water levels, in feet below measuring point, 1941: Jan. 21, 69.82; May 28, 70.12; Aug. 12, 71.34.

XK-5. Judge John Fritter. Four hundred seventy feet south of U. S. Highway 90, 5.45 miles east of Brackettville city limits. Water levels, in feet below measuring point, 1941: Jan. 21, 29.63; May 27, 24.75; Aug. 12, 29.70; Nov. 13, 32.14.

XK-6. Dr. B. F. Orr. Three-tenths mile south of U. S. Highway 90, 2.8 miles east of Brackettville city limits. Water levels, in feet below measuring point, 1941: Jan. 21, 36.00; May 27, 35.47; Aug. 12, 35.38; Nov. 13, 37.12.

XK-9. C. J. Poehler. Fifty feet west of north-south road, 1.7 miles west and 0.9 mile south from intersection of Brackettville loop and U. S. Highway 90. Water levels, in feet below measuring point, 1941: Jan. 21, 40.67; May 27, 42.14; Aug. 12, 38.51; Nov. 13, 39.84.

XK-11. J. F. Beidler. Forty feet southwest of old house on south side of Highway 90, 6.1 miles west of intersection of Highway 90 and loop road to Brackettville. Water levels, in feet below measuring point, 1941: Jan. 21, 28.76; May 27, 29.26; Aug. 12, 29.45; Nov. 13, 28.89.

XK-12. J. F. Beidler. Two-tenths mile south of U. S. Highway 90 on top of hill, 11.5 miles west of intersection of Brackettville loop and U. S. Highway 90. Water levels, in feet below measuring point, 1941: Jan. 21, 20.35; May 27, 21.07; Aug. 12, 19.44; Nov. 13, 18.97.

XK-13. Mac. L. Weathersby. Nine-tenths mile north of U. S. Highway 90, 16.35 miles west of Brackettville loop road intersection with U. S. Highway. Water levels, in feet below measuring point, 1941: Jan. 21, 61.55; May 27, 62.93; Aug. 12, 62.93.

XK-17. Jimmy Lowrance. About 300 yards east of intersection of Brackettville loop and U. S. Highway 90 at west edge of town. Water levels, in feet below measuring point, 1941: Jan. 21, 50.95; May 27, 50.70; Aug. 12, 51.91; Nov. 13, 50.83.

XK-112. E. Webb. On hilltop, 100 yards west of Silver Lake road, 0.6 mile north of Elm Creek, 7.65 miles, by road, north of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 22, 201.80; May 28, 188.52; Aug. 12, 204.00; Nov. 13, 193.25.

XK-114. E. Webb. About 200 yards southwest of ranch house west of Rock Springs-Brackettville road, 5.85 miles, by road, north of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 22, 69.93; May 27, 66.73; Aug. 12, 67.38; Nov. 13, 66.99.

XK-116. J. D. Harwood. About 200 feet west of Rock Springs-Brackettville road, 8.65 miles by road north of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 22, 139.46; May 27, 122.53; Aug. 12, 116.09; Nov. 13, 120.56.

XK-163. Edward Mey. Nine-tenths mile east of Carta Valley Road, 7.60 miles by road north of junction of Carta Valley Road and U. S. Highway 90, 12.8 miles west of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 21, 75.59; May 26, 74.38.

XK-170. Nolan and Postell. One and nine-tenths miles north of Laguna-Brackettville road junction with Tularosa road, 0.2 mile west of road, 11.75 miles by road, northeast of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 21, 191.92; May 27, 189.86; Nov. 13, 191.43.

XK-180. N. P. Peterson. One mile south of Laguna-Brackettville road, 9.95 miles by road northeast of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 22, 177.18; May 27, 177.12; Aug. 13, 177.02; Nov. 13, 176.58.

Kinney County--Continued.

XK-187. Mr. G. A. Harrison. Fifty feet north of U. S. Highway 90, 9.3 miles east of Brackettville post office. Water levels, in feet below measuring point, 1941: Jan. 21, 75.15; May 28, 76.48; Aug. 12, 76.14; Nov. 13, 77.79.

XK-196. Judge John Fritter. Seven-tenths mile south of Laguna-Brackettville road, 5.2 miles, by road, northeast of Brackettville post office. Water level, in feet below measuring point, 1941: Jan. 22, 116.97.

XK-198. Charley Zinsmeister. Two hundred feet southeast of ranch house, 15 feet southwest of nearest windmill, 0.3 mile south of bump gate at U. S. Highway 90, 3.45 miles west of intersection of U. S. Highway 90 and Brackettville loop road at west edge of town. Water levels, in feet below measuring point, 1941: Jan. 21, 45.75; May 27, 47.20; Nov. 13, 45.76.

XK-199. E. Webb. One mile north of Brackettville post office.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.36	40.50	40.56	40.23	39.39	37.60	38.60	36.42	.....	38.73	38.87	39.57
2	40.37	40.51	40.56	40.22	39.25	37.65	38.64	36.50	.....	38.74	38.88	39.59
3	40.37	40.52	40.57	40.22	38.85	37.68	38.70	36.56	.....	38.75	38.90	39.60
4	40.37	40.52	40.58	40.22	38.12	37.72	38.70	36.64	.....	38.77	38.92	39.59
5	40.37	40.52	40.59	40.22	37.78	37.75	38.75	36.71	.....	38.80	38.98	39.60
6	40.39	40.52	40.59	40.15	37.61	37.80	38.76	36.78	.....	38.82	38.98	39.65
7	40.40	40.55	40.61	40.15	37.51	37.82	38.83	36.85	.....	38.84	39.04	39.62
8	40.40	40.58	40.61	40.16	37.43	37.84	38.88	36.92	.....	38.85	39.05	39.62
9	40.41	40.55	40.59	40.18	37.41	37.87	38.90	36.98	.....	38.90	39.07	39.63
10	40.41	40.54	40.61	40.18	37.38	37.91	38.95	37.03	.....	38.92	39.13	39.67
11	40.41	40.55	40.61	40.19	37.35	37.94	38.95	37.11	.....	38.93	39.16	39.70
12	40.43	40.54	40.59	40.20	37.33	37.98	38.81	37.18	.....	38.95	39.19	39.72
13	40.42	40.50	40.54	40.17	37.32	38.01	38.26	.....	.....	38.97	39.21	39.68
14	40.43	40.52	40.56	40.18	37.32	38.05	37.92	.....	38.42	38.98	39.25	39.69
15	40.44	40.54	40.56	40.20	37.32	38.07	36.50	.....	38.40	39.02	39.27	39.67
16	40.45	40.53	40.55	40.21	37.32	38.05	35.87	.....	38.40	39.05	39.30	39.74
17	40.43	40.49	40.56	40.20	37.33	38.07	35.72	.....	38.43	39.09	39.34	39.76
18	40.44	40.50	40.57	40.21	37.32	38.10	35.68	.....	38.45	39.11	39.38	39.80
19	40.45	40.52	40.53	40.19	37.34	38.13	35.67	.....	38.48	39.15	39.39	39.80
20	40.46	40.54	40.50	40.17	37.36	38.16	35.68	.....	38.50	39.21	39.42	39.80
21	40.45	40.55	40.50	40.15	37.38	38.20	35.75	.....	38.48	39.25	39.42	39.82
22	40.40	40.55	40.47	40.13	37.40	38.22	35.78	.....	38.46	39.30	39.40	39.83
23	40.40	40.55	40.42	40.13	37.44	38.27	35.80	.....	38.47	39.33	39.42	39.90
24	40.44	40.55	40.39	40.13	37.45	38.31	35.86	.....	38.48	39.30	39.40	39.91
25	40.47	40.57	40.40	40.14	37.46	38.35	35.91	.....	38.50	39.14	39.40	39.97
26	40.47	40.57	40.40	40.13	37.48	38.38	35.95	.....	38.54	39.02	39.41	39.95
27	40.45	40.57	40.38	40.05	37.51	38.42	36.03	.....	38.57	38.95	39.48	39.90
28	40.47	40.55	40.35	39.77	37.54	38.47	36.13	.....	38.60	38.88	39.52	39.89
29	40.48	.....	40.33	39.52	37.56	38.52	36.20	.....	38.62	38.87	39.56	39.91
30	40.50	.....	40.28	39.45	37.58	38.55	36.25	.....	38.65	38.85	39.57	39.94
31	40.51	.....	40.23	.....	37.59	.....	36.35	.....	.....	38.86	.....	39.97

Kleberg County

Well numbers correspond to those in Water-Supply Papers 773-D, 845, 886 and 909.

13. Tamales a/. King Estate. Eight miles northwest of Santa Gertrudis ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 52.87.

15. Pureta a/. King Estate. Five miles northwest of Santa Gertrudis ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 46.58.

23. Caldero a/. King Estate. Two and one-fourth miles west-southwest of Santa Gertrudis ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 52.53.

a Owner's name for well.

Kleberg County--Continued.

31. Liberty a/. King Estate. Two miles south of Santa Gertrudis ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 35.80.

35. Silo a/. King Estate. One and one-half miles southeast of Santa Gertrudis ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 39.66.

64. Rincon Caesar a/. King Estate. Eighteen miles south-southeast of Santa Gertrudis ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, b/ 3.75.

73. Joe Stelzig. Two miles north-northeast of Kingsville. Water level, in feet below measuring point, 1941: Feb. 6, b/37.56.

79. W. H. Young. One and one-fourth miles north of Kingsville. Water level, in feet below measuring point, 1941: Feb. 6, 48.31.

83. Texas College of Arts and Industries. One and one-fourth miles northwest of Kingsville. Not used since October, 1938. Water level, in feet below measuring point, 1941: Feb. 6, 45.29.

127. R. F. Preait. Two and one-half miles south of Kingsville. Water level, in feet below measuring point, 1941: Feb. 5, 29.65.

144. Joe Stelzig. Three miles southeast of Kingsville. Water level, in feet below measuring point, 1941: Feb. 6, 28.73.

150. A. Robinson. Four miles southeast of Kingsville. Water level, in feet below measuring point, 1941: Feb. 6, 12.63.

179. N. E. Selstad. Five miles southeast of Kingsville. Water level, in feet below measuring point, 1941: Feb. 6, 17.23.

188. J. R. Trussell. Three and one-half miles south of Kingsville. Water level, in feet below measuring point, 1941: Feb. 6, 25.00.

190. L. E. Flato et al. Four and one-half miles south of Kingsville. Water level, in feet below measuring point, 1941: Feb. 5, 20.49.

217. J. R. Trussell. Six miles south of Kingsville. Water level, in feet below measuring point, 1941: Feb. 5, 18.74.

219. Measurements discontinued.

257. Mrs. J. Talty. Seven and one-half miles south of Kingsville. Water level, in feet below measuring point, 1941: Feb. 5, 14.60.

282. No measurements made in 1941.

283. W. H. Bensman. Three miles north of Rivera. Water level, in feet below measuring point, 1941: Feb. 6, 6.88.

375. Noria Hondo number 1 a/. King Estate. Twelve miles west of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 9.02.

380. Telephone number 1 a/. King Estate. Thirteen miles southwest of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 18.42.

382. Tres Esquinas a/. King Estate. Ten miles west-southwest of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 5.32.

383. Quantitos a/. King Estate. Eight and one-half miles west-southwest of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 5.66.

384. Aljibres a/. King Estate. Seven miles west of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 12.94.

385. Palacios a/. King Estate. Eight miles west of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5. 4.81.

a Owner's name for well. b Pumping slowly.

Kleberg County--Continued.

406. Mujeres Chiquito a/. King Estate. One-half mile south of Laureles ranch headquarters. Water level, in feet below measuring point, 1941: Feb. 5, 24.66.

Lamb County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

1. H. H. Engleking. Eleven miles west and 4.5 miles north of Earth. Water levels, in feet below measuring point, 1941: Jan. 27, 71.31; Mar. 10, 71.21; Nov. 17, 70.70.

3A. J. O. Crawford. Eleven miles west and 3 miles north of Earth. Water levels, in feet below measuring point, 1941: Jan. 27, 31.58; Mar. 10, 31.29; July 31, 28.36; Nov. 17, 25.37.

6. Albert Lavigne. Twelve miles west of Earth. Water levels, in feet below or above measuring point, 1941: Jan. 27, -3.99; Mar. 10, -3.84; July 31, +1.60; Nov. 1, +3.35.

7. Lillie Bickle. Eleven miles west and 1 mile north of Earth.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 27	17.09	May 30	13.32	Nov. 1	5.51
Mar. 10	16.94	July 31	7.58		

8. J. L. Withrow. One-half mile north of U. S. Highway 70, 0.5 mile east of Bailey-Lamb County line. Water levels, in feet below measuring point, 1941: Jan. 27, 17.06; Mar. 10, 16.95; Nov. 17, 6.25.

13. John Fyie. Ten miles west and 1.5 miles north of Earth. Water levels, in feet below measuring point, 1941: Jan. 27, 20.87; Mar. 10, 21.42; Nov. 17, 10.97.

16. R. L. Brown. Ten miles west and 3 miles north of Earth. Water levels, in feet below measuring point, 1941: Jan. 27, 37.17; Mar. 10, 36.99; Nov. 17, 31.99.

19. Josephine Roubineck. Ten and one-half miles west and 2 miles north of Earth. Water levels, in feet above or below measuring point, 1941: Jan. 27, -2.68; Mar. 10, -2.63; Nov. 17, +6.23.

30. J. M. Young. Seven miles west and 2 miles north of Earth. Water levels, in feet below measuring point, 1941: Jan. 27, 23.96; Mar. 10, 24.01; Nov. 17, 17.00.

33A. Halsell Cattle Company. One and three-tenths miles south of U. S. Highway 70, on east side of Sudan road. Water levels, in feet below measuring point, 1941: Mar. 20, 24.41; May 30, 23.28.

34A. Halsell Cattle Company. Three-tenths mile south of U. S. Highway 70, on east side of Sudan road. Water levels, in feet below measuring point, 1941: Mar. 20, 12.07; May 30, 6.55; July 31, 4.05.

42. Halsell Cattle Company. Four and one-half miles west of Earth. Water levels, in feet below measuring point, 1941: Mar. 20, 19.10; Nov. 17, 12.10.

60. S. A. Davis. One-half mile northwest of Springlake. Water levels, in feet below measuring point, 1941: Mar. 20, 72.04; Nov. 19, 70.99.

76. F. E. Gladden. One-half mile west of Circle. Water level, in feet below measuring point, 1941: Mar. 20, 79.15.

76A. George Brown. Ten miles east of Earth. Water levels, in feet below measuring point, 1941: Mar. 20, 82.47; July 31, 81.10; Nov. 19, 80.67.

88. Halsell Cattle Company. Eight and one-half miles south of Earth. Water levels, in feet below measuring point, 1941: Mar. 20, 38.61; May 30, 37.75; July 31, 35.38; Nov. 19, 33.60.

a Owner's name for well.

Lamb County--Continued.

88A. Halsell Cattle Company. Nine miles south of Earth. Water level, in feet below measuring point, 1941: Nov. 19, 6.53.

89A. Halsell Cattle Company. Six and one-half miles south of Earth. Water levels, in feet below measuring point, 1941: Mar. 20, 30.70; May 30, 29.40; July 31, 27.22; Nov. 19, 25.88.

91A. Halsell Cattle Company. Two and one-fourth miles south of Earth. Water levels, in feet below measuring point, 1941; Mar. 20, 12.63; May 30, 8.68; July 31, 1.66; Nov. 19, 0.71.

98A. Halsell Cattle Company. Eight miles southwest of Earth. Water levels, in feet below measuring point, 1941: Mar. 20, 38.85; May 30, 38.28; Nov. 19, 36.98.

108. Texas Highway Department. Four and seven-tenths miles northwest of Sudan. Water levels, in feet below measuring point, 1941: Mar. 20, 80.02; July 30, 71.96.

230. Two miles northwest of Amherst. Water levels, in feet below measuring point, 1941: Mar. 20, 85.80; May 30, 85.82; July 30, 85.29; Nov. 19, 81.46.

231. Vincent Peterman. Two miles southeast of Bailey-Lamb County line on U. S. Highway 84. Water levels, in feet below measuring point, 1941: Mar. 20, 97.28; May 30, 97.31; July 30, 97.24; Nov. 19, 97.11.

236. L. D. Criswell. Two miles east of Amherst. Water level, in feet below measuring point, 1941: Mar. 20, 79.71.

238A. D. C. Black. Four and one-half miles north of Amherst. Water level, in feet below measuring point, 1941: Mar. 20, 55.57.

243. Les Baker. One and one-half miles northwest of Littlefield. Water levels, in feet below measuring point, 1941: Mar. 20, 78.70; July 30, 77.90; Nov. 19, 77.36.

251A. G. Y. Oxford. Eight and one-half miles north of Littlefield. Water levels, in feet below measuring point, 1941: Mar. 20, 69.67; Nov. 19, 64.14.

259B. Lee Bennett. Six miles north of Littlefield. Water levels, in feet below measuring point, 1941: Mar. 20, 76.87; Nov. 19, 74.28.

322. Yellow House Land Company. Four and one-half miles southeast of Littlefield. Water levels, in feet below measuring point, 1941: Mar. 20, 42.10; July 29, 40.70; Nov. 18, 38.54.

341A. One-half mile north of Yellow House railroad switch. Water levels, in feet below measuring point, 1941: Mar. 20, 44.42; May 30, 44.13; July 29, 43.10; Nov. 18, 41.82.

342A. R. M. Love. Four and three-tenths miles northwest of Anton. Water levels, in feet below measuring point, 1941: Mar. 20, 41.15; May 30, 41.34; July 29, 39.08.

Lee County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

113. No measurements made in 1941.

113-A. No measurements made in 1941.

113-B. No measurements made in 1941.

122. H. B. Krenik. On east side of U. S. Highway 77, 7.85 miles northwest of Giddings. Water level, in feet below measuring point, 1941: June 2, 35.49.

124. Garrett Killian. About 500 feet west of U. S. Highway 77, 5.65 miles north of Giddings. Water level, in feet below measuring point, 1941: June 2, 75.94.

Lee County--Continued.

153-A. Doctor Baker. Thomas Bird survey, 3.5 miles west of New Dimebox. Water level, in feet below measuring point, 1941: June 2, 50.32.

174. Martin Mallinak. South edge of Dimebox. Water level, in feet below measuring point, 1941: June 2, 22.20.

175. H. Hannes. North edge of Dimebox. Water level, in feet below measuring point, 1941: June 2, 11.08.

Leon County

No measurements made in Leon County in 1941.

Loving County

4. W. D. Johnson. Center of west line of NE¼ sec. 12, blk. 57, T-1, T. & P. R. R. survey, 26.25 miles northwest of Mentone, 6 miles north of Red Bluff lodge. Used drilled well, diameter 4 inches, depth 134 feet. Equipped with windmill. Measuring point, top of casing, 1.0 foot above land surface. Water levels, in feet below measuring point: June 14, 1940, 80.27; Sept. 23, 1940, 82.37; Aug. 14, 1941, 78.62.

26. Mrs. M. K. Kyle. SW¼SW¼ sec. 28, blk. 55, T-1, T. & P. R. R. survey, 18 miles northwest of Mentone. Unused drilled well, diameter 6 inches, depth 150 feet. Measuring point, top of steel casing collar, 1.0 foot above land surface. Water levels, in feet below measuring point: July 31, 1940, 131.47; Mar. 20, 1941, 129.50.

43-A. T. P. Lands Trust. Fourteen miles north of Mentone, on east side of graded road to Kyle ranch. Unused drilled well, diameter 6 inches, depth 190 feet. Measuring point, top of steel casing flush with the land surface. Water levels, in feet below measuring point: Sept. 20, 1940, 166.54; Mar. 20, 1941, 166.73; May 13, 1941, 167.70; Aug. 14, 1941, 166.21.

73. W. D. Johnson. NW¼ sec. 38, blk. 54, T-2, T. & P. R. R. survey, 6 miles north of Mentone, on Pasotex pipeline, the north well of 2 wells known as Hudgen's wells. Seldom used, drilled well, diameter 8 inches, depth 118 feet. Equipped with windmill. Measuring point, top of steel casing, 0.8 foot above land surface.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Sept. 1, 1939	91.90	Aug. 8, 1940	94.06	Mar. 20, 1941	94.41
June 28, 1940	93.21	Dec. 7	93.80	May 13	94.90

98. Sinclair-Prairie Oil Company. NW¼SW¼NW¼ sec. 82, blk. 33, H. & T. C. R. R. survey, 1 mile northwest of Mentone, 150 feet east of Sinclair-Prairie, No. 1 Allen, oil well. Unused drilled well, diameter 6 inches, depth 143 feet. Measuring point, top of steel casing, 0.8 foot above land surface.

Water level, in feet below measuring point, 1940-41

July 23, 1940	34.77	Mar. 20, 1941	34.00	Aug. 14, 1941	31.80
Dec. 7	35.06	May 13	33.91		

102. McGinley Corporation. W½N½ sec. 73, blk. 1, W. & N.W. R. R. survey, 2.75 miles east of Mentone, about 100 feet north of old Wink road. Unused drilled well, diameter 7 5/8 inches, depth 175 feet. Measuring point, top of steel casing, 0.3 foot above land surface.

Water level, in feet below measuring point, 1939-41

Nov. 21, 1939	106.52	Sept.11, 1940	106.18	May 13, 1941	105.63
June 28, 1940	106.20	Dec. 7	105.96	Aug. 14	105.30
Aug. 8	106.09	Mar. 20, 1941	105.43		

Loving County--Continued.

107. Tom Wright. NW¼NE¼NE¼ sec. 79, blk. 33, H. & T. C. R.R. survey, 1.5 miles south of Mentone, on east side of old Pecos highway. Seldom used dug well, diameter 30 inches, depth 16.5 feet. Measuring point, lower edge of hole in corrugated steel casing, west side, 0.6 foot above land surface.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Feb. 27, 1940	14.27	Aug. 8, 1940	14.97	Mar. 31, 1941	14.38
Apr. 24	14.36	Sept.11	14.50	May 13	14.20
June 28	14.76	Dec. 7	14.61	Aug. 14	6.72

112. E. L. Stratton. NE¼SW¼NW¼ sec. 79, blk. 33, H. & T. C. R.R. survey, 2 miles south of Mentone at Porterville townsite. Seldom used drilled well, diameter 6 inches, depth 79.5 feet. Equipped with windmill. Measuring point, top of steel casing collar, 1.0 foot above land surface.

Water level, in feet below measuring point, 1940-41

Feb. 27, 1940	19.62	Sept.11, 1940	20.33	May 13, 1941	19.53
June 28	21.12	Dec. 7	19.91	Aug. 14	12.21
Aug. 8	20.19	Mar. 31, 1941	19.73		

114. Floyd Goodrich. SW¼NW¼ sec. 77, blk. 33, H. & T. C. R.R. survey, 2.75 miles south of Mentone at Goodrich ranch house, 30 feet east of 2 wells pumped by walking beam. Unused drilled well, diameter 12 inches, depth 53 feet. Measuring point, top of steel casing, 2.7 feet above land surface.

Water level, in feet below measuring point, 1940-41

Feb. 27, 1940	15.23	Aug. 8, 1940	15.58	Dec. 7, 1940	16.11
June 28	16.32	Sept.11	15.71	Mar. 31, 1941	15.58

118. W. F. Tennant. Center of W½ sec. 66, blk. 1, W. & N.W. R.R. survey, 2.75 miles southeast of Mentone, at W. F. Tennant, No. 1 Martin, oil well. Unused drilled well, diameter 7 inches, depth 44 feet. Measuring point, top of steel casing collar, 0.8 foot above land surface. Water levels, in feet below measuring point: Dec. 7, 1940, 31.91; Mar. 31, 1941, 31.85; May 13, 1941, 31.89; Aug. 14, 1941, 30.48.

Lubbock County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

3a. No measurements made in 1941.

37. S. E. Blair. NW¼NW¼ sec. 149, blk. C, 17 miles northeast of Lubbock. Water level, in feet below measuring point, 1941: Jan. 25, 75.14.

64a. W. O. Fortenberry. NE¼NW¼ sec. 30, blk. D, 0.4 mile east of U. S. Highway 87, 10.5 miles north of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 87.74; Dec. 27, 85.44.

67a. Ward Crim. SW¼SW¼ sec. 27, blk. D, 0.8 mile west of U. S. Highway 87, 10.5 miles north of Lubbock. Water level, in feet below measuring point, 1941: Jan. 22, 78.3.

74a. J. S. George. SW¼SE¼ sec. 37, blk. A, 1.5 miles west of U. S. Highway 87, 6.5 miles north of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 36.13; Mar. 6, 36.52; June 3, 30.41; July 28, 29.30.

74b. J. S. George. NE¼NW¼ sec. 37, blk. A, 7.5 miles north of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 38.66; Mar. 6, 38.55; June 3, 33.58; July 28, 31.43.

77a. No measurements made in 1941.

81. J. E. Vickers. NE¼SE¼ sec. 27, blk. A, 0.2 mile west of U. S. Highway 87, 5 miles north of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 46.74; Mar. 6, 47.15; Dec. 27, 41.78.

Lubbock County--Continued.

99. No measurements made in 1941.

101. O. P. Bowser. SW cor. SW¼ sec. 38, blk. P, 4 miles west of Shallowater. Water level, in feet below measuring point, 1941: Mar. 7, 64.97.

107. B. G. Lokey. SW¼NE¼ sec. 27, blk. D5, on north side of U. S. Highway 84, in Shallowater. Water levels, in feet below measuring point, 1941: Mar. 7, 50.58; May 30, 50.11; July 29, 47.81.

118. W. P. Martin. NW¼NE¼ sec. 17, blk. JS, 9 miles west of Lubbock. Water level, in feet below measuring point, 1941: Mar. 7, 82.06.

121. Claude Campbell. SE¼ sec. 1, blk. D6, north of Carlisle Public School, north of State Highway 24. Water levels, in feet below measuring point, 1941: Jan. 22, 77.53; Mar. 7, 79.04.

123. Travis Tubbs. SW¼NW¼ sec. 9, blk. JS, 6 miles west of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 67.48; Mar. 7, 66.05.

128. Rufus Rush. West line of SW¼NE¼ sec. 3, blk. E-2, 0.6 mile north of State Highway 24, 2.5 miles west of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 43.89; Mar. 7, 47.33.

138. Edith Collie. NE¼NE¼ sec. 25, blk. JS, 7 miles northwest of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 7, 41.81; July 29, 39.23.

139. O. C. Ballard. NE¼NE¼ sec. 23, blk. JS, 7 miles northwest of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 7, 27.23; May 30, 25.91; July 29, 23.23.

150a. M. C. Gibson. NW¼NW¼ sec. 14, blk. A, between U. S. Highway 84 and A. T. & S. F. R. R., 5.5 miles northwest of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 7, 29.16; May 30, 28.01; July 29, 25.40.

151. Broadview School. SE¼NW¼ sec. 14, blk. A, on south side of U. S. Highway 84, 3 miles northwest of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 7, 28.33; May 30, 27.26; July 29, 24.40.

154. J. S. Hamilton. NE¼SW¼ sec. 22, blk. A, 4 miles west of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 40.07; Mar. 7, 40.33.

156. J. M. Phillips. SW¼SE¼ sec. 18, blk. A, 0.6 mile south of U. S. Highway 84, 3 miles northwest of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 42.32; Mar. 7, 42.17; July 29, 40.40.

188. State Experiment Farm. NE¼NW¼ sec. 5, blk. O, 3 miles east of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 25, 78.57; Mar. 6, 78.46; July 29, 78.85.

199a. No measurements made in 1941.

200. No measurements made in 1941.

219. Ed. Harrison. NW cor. sec. 5, blk. RG, 9.5 miles east of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 25, 46.27; Mar. 6, 46.12; July 29, 42.64.

221. Bill Turner. NW cor. NW¼ sec. 156, blk. C, on south side of U. S. Highway 62, 2 miles east of Idalou. Water levels, in feet below measuring point, 1941: Jan. 25, 56.51; Mar. 6, 56.55; July 29, 53.89.

222. 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 measuring point, 1941: Mar. 6, 53.13.

223. W. C. Grimes. SE¼SE¼ sec. 11, blk. RG, 12 miles east of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 25, 47.76; Mar. 6, 47.80; July 29, 44.85.

Lubbock County--Continued.

225. Acuff Public School. NW¼SW¼ sec. 122, blk. C, 13.5 miles east of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 25, 54.76; Mar. 6, 53.98.

228. NE¼SE¼ sec. 91, blk. C, 6 miles east of Idalou, along U. S. Highway 62 and 0.6 mile south on dirt road. Water levels, in feet below measuring point, 1941: Jan. 25, 70.35; Mar. 6, 70.36; June 3, 70.38; July 29, 69.17.

252b. A. T. & S. F. R.R. Company. NW¼SW¼ sec. 43, blk. S, 14 miles southeast of Lubbock. Water level, in feet below measuring point, 1941: Mar. 6, 100.56.

272b. Texas Pacific Coal and Oil Company. NW¼NW¼ sec. 4, blk. B, at stucco house, west of cemetery, 2 miles southeast of Lubbock. Used drilled domestic well, diameter 12 inches. Measuring point, top of concrete curb, level with land surface. Equipped with rope and bucket. Water levels, in feet below measuring point, 1941: Mar. 6, 41.72; June 3, 40.20; July 29, 39.54.

278. Ed Putty. NW¼NE¼ sec. 8, blk. B, 1.75 miles south of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 6, 79.98; July 29, 79.08.

279. No measurements made in 1941.

284a. Southeast Ward Public School. SE¼SE¼ sec. 1, blk. E, 3.5 miles southeast of Lubbock. Water level, in feet below measuring point, 1941: Mar. 6, 45.15. Measurements discontinued.

301. New Hope Public School. SE cor. sec. 68, blk. S, 8 miles south of Lubbock. Water level, in feet below measuring point, 1941: Mar. 6, 58.13.

303b. Lubbock County. In right-of-way of county road, SE cor. sec. 18, blk. E, 8.5 miles south of Lubbock. Water level, in feet below measuring point, 1941: Mar. 6, 72.52.

314. T. B. Zelner. SW cor. SE¼SW¼ sec. 17, blk. B, 4 miles southwest of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 7, 47.06; July 28, 46.82.

316. No measurements made in 1941.

332. No measurements made in 1941.

336a. 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 measuring point, 1941: July 28, 78.47.

339. J. E. Hinson. NW¼NE¼ sec. 34, blk. AK, 8.5 miles west of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 64.00; Mar. 7, 63.95.

355. J. A. Medlock. SW¼NE¼ sec. 26, blk. 20, 0.5 mile west of U. S. Highway 87, 9.5 miles south of Lubbock. Water level, in feet below measuring point, 1941: July 28, 85.21.

369. No measurements made in 1941.

376. No measurements made in 1941.

383. No measurements made in 1941.

387. 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 measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 22	44.17	May 30	43.87	July 28	41.95
Mar. 6	44.23	June 3	43.53		

Lubbock County--Continued.

388. G. D. Taylor. SW cor. SW¼NW¼ sec. 15, blk. B, 0.35 mile southwest of junction of U. S. Highway 62 and State Highway 24.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 22	29.83	May 30	22.71	July 28	19.71
Mar. 6	30.02	June 3	21.88		

389. E. Scott Jones. Center NW¼NW¼ sec. 15, blk. B, on east side of U. S. Highway 62, 0.2 mile southwest of junction with State Highway 24. Water levels, in feet below measuring point, 1941: Jan. 22, 31.00; May 30, 21.97; June 3, 22.04.

391. Six and seventy-five hundredths miles west of junction of State Highway 24 and U. S. Highway 62. Water level, in feet below measuring point, 1941: July 28, 79.71.

392. No measurements made in 1941.

393. No measurements made in 1941.

395. Stanton. NW cor. NE¼NE¼ sec. 16, blk. A, 2.5 miles north of Lubbock County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 22, 49.00; Mar. 7, 48.83.

397. NE cor. SE¼SW¼ sec. 13, blk. JS, 3.5 miles north and 3.5 miles west of Lubbock County Courthouse. Water levels, in feet below measuring point, 1941: Mar. 7, 18.61; May 30, 16.18; July 29, 14.84.

398. E. E. Ireland. SE¼SE¼ sec. 36, blk. D5, 8.5 miles northwest of Lubbock. Water levels, in feet below measuring point, 1941: Mar. 7, 16.92; May 30, 13.05; July 29, 13.02.

401. SE cor. SE¼NW¼ sec. 39, blk. D, 0.6 mile west of U. S. Highway 87, 8 miles north of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 22, 70.97; Mar. 6, 70.98; July 28, 70.49.

402. Fort Worth & Denver City Railway Company. SW¼SW¼ sec. 65, blk. A. On railway right-of-way at Kitalou Switch, 0.2 mile north of U. S. Highway 62. Water levels, in feet below measuring point, 1941: Jan. 25, 41.20; Mar. 6, 41.32; June 3, 39.60; July 29, 36.65.

403. SW cor. SW¼SE¼ sec. 56, blk. A, 8 miles northeast of Lubbock. Water levels, in feet below measuring point, 1941: Jan. 25, 43.16; Mar. 6, 43.06; July 29, 40.23.

Lynn County

No measurements made in Lynn County in 1941.

Martin County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

130. Charles Logsdon. NE¼NW¼ sec. 16, blk. 34, T. 3 N, 1.5 miles west of Ackerly. Water level, in feet below measuring point, 1941: Dec. 18, 90.20.

241. E. B. Dickenson. SW¼SE¼ sec. 1, blk. 37, T. 1 N, 11 miles northwest of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 81.80.

292-A. Florence Konz. SE¼SE¼ sec. 35, blk. 37, T. 1 N, 7.5 miles northwest of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 31.11.

336. No measurements made in 1941.

361. Measurements discontinued.

363. I. G. Peters. SW¼SW¼ sec. 3, blk. 36, T. 1 S, 2.5 miles northwest of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 60.76.

Martin County--Continued.

369. Mrs. H. L. Rhodes. NE¼NW¼ sec. 6, blk. 37, T. 1 S., 5 miles west of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 33.34.

376. J. R. Reed. NW¼NE¼ sec. 4, blk. 37, T. 1 S., at Mustang Spring, 8.5 miles west of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 0.89.

384. No measurements made in 1941.

401. G. P. Anderson. SW¼SW¼ sec. 11, blk. 36, T. 1 S., 1.25 miles northwest of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 77.67.

452-A. T. C. Vinson Est. Center SE¼ sec. 23, blk. 37, T. 1 S., 6 miles southwest of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 23.14.

455. R. Yantis. NW¼SE¼ sec. 24, blk. 37, T. 1 S., 5 miles west of Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 26.89.

457. No measurements made in 1941.

467. No measurements made in 1941.

468. Palmer heirs. SW¼NE¼ sec. 23, blk. 36, T. 1 S., in Stanton. Water level, in feet below measuring point, 1941: Dec. 17, 61.53.

494-A. No measurements made in 1941.

610. Woodard School. SW¼SE¼ sec. 135, Simp. Holloway survey, 1.5 miles west and 5 miles north of Tarzan. Water level, in feet below measuring point, 1941: Dec. 17, 22.73.

655. H. B. Schick. NE¼NW¼ sec. 23, blk. 37, T. 2 N., 3 miles west of Tarzan. Water level, in feet below measuring point, 1941: Dec. 17, 27.10.

665. G. T. Hall. SW¼SE¼ sec. 29, blk. 57, T. 2 N., 3.4 miles west of Lenorah. Water level, in feet below measuring point, 1941: Dec. 17, 56.46.

674. W. H. Badgett. NE¼NE¼ sec. 4, blk. 38, T. 1 N., 4.5 miles south and 3.5 miles west of Tarzan. Water level, in feet below measuring point, 1941: Dec. 17, 20.91.

687. J. W. Meek. SE¼SE¼ sec. 6, blk. 38, T. 1 N., 1 mile south of Badgett Public School. Water level, in feet below measuring point, 1941: Dec. 17, 19.86.

690. No measurements made in 1941.

Matagorda County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

3. Southern Pacific Railroad. Six-tenths mile west of highway intersection at Midfield, 15 miles west of Bay City. Not used since Dec. 17, 1938. Water level, in feet below measuring point, 1941: Dec. 20, 10.36.

33. Turtle Bay School. One and eight-tenths miles east of county line, 5 miles west of Palacios. Water level, in feet below measuring point, 1941: Dec. 20, 5.45.

40. City of Palacios. Seven hundred feet northwest of new city well in Palacios. Water levels, in feet below measuring point, 1941: Feb. 21, 14.95; Dec. 20, 15.84.

Maverick County

No measurements made in Maverick County in 1941.

Medina County

Well numbers correspond to those in Water-Supply Papers 678, 840, 845, 886 and 909.

I-2-1. W. A. Weynand. Seven and eight-tenths miles north of D'Hanis. Water levels, in feet below measuring point, 1941: Jan. 20, 203.15; May 26, 185.03; Nov. 12, 177.80.

I-2-7. Alfred Schlentz. Eight and two-tenths miles north-northwest of Hondo. Water levels, in feet below measuring point, 1941: Jan. 20, 222.06; May 26, 190.18; Aug. 11, 194.05; Nov. 12, 199.06.

I-3-2. Wilson. At water works in Hondo, 40 feet south of well I-3-1. Water level, in feet below measuring point, 1941: Jan. 23, 180.53.

I-3-3. Gus Britch. Four and seven-tenths miles north of Hondo. Water levels, in feet below measuring point, 1941: Jan. 20, 198.44; May 26, 147.95; Aug. 11, 171.95; Nov. 12, 170.18.

I-3-4. H. W. McClain. Seven and two-tenths miles north by east of Hondo. Water levels, in feet below measuring point, 1941: Jan. 20, 200.64; May 26, 177.41; Aug. 11, 178.11; Nov. 12, 176.28.

I-3-5. L. H. Heyen. Six miles north by east of Hondo. Water levels, in feet below measuring point, 1941: Jan. 20, 172.25; May 26, 142.5; Nov. 12, 125.

I-4-18. Ross Kenedy Estate. Three and seven-tenths miles east of Sabinal. Water levels, in feet below measuring point, 1941: Jan. 20, 231.35; May 26, 201.24; Aug. 11, 201.41; Nov. 12, 193.88.

I-4-29. Illinois Pipe Line Company. Six and three-tenths miles southwest of D'Hanis. Water levels, in feet below measuring point, 1941: Jan. 20, 218.96; May 26, 190.09; Aug. 13, 190.18; Nov. 12, 183.75.

I-4-30. Virgil Johnson. Twelve miles southeast of D'Hanis. Water levels, in feet below measuring point, 1941: Jan. 20, 57.14; May 26, 28.54; Aug. 11, 29.61; Nov. 12, 22.45.

XM-1. Lenard Otto. North side of U. S. Highway 90, 1.0 mile east of Castroville. Water levels, in feet below measuring point, 1941: Jan. 23, 49.92; May 26, 41.84; Aug. 7, 54.83; Nov. 14, 59.30.

XM-2. F. C. Stinson. Five and nine-tenths miles north of intersection of gravel road with U. S. Highway 90 at point 300 feet east of Medina River bridge, Castroville. Water levels, in feet below measuring point, 1941: Jan. 23, 155.00; Nov. 12, 135.60.

XM-3. John Krenmueller. South side of U. S. Highway 90, on east side of intersection of highway and crossroad at Dunley, 7 miles east of Castroville. Water levels, in feet below measuring point, 1941: Jan. 20, 69.56; May 26, 63.09; Aug. 11, 64.49; Nov. 12, 64.49.

Midland County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

36. No measurements made in 1941.

37. Elmer Lamb. In Midland, 5 blocks south and 2 blocks east of Texas & Pacific Railway depot. Water level, in feet below measuring point, 1941: Dec. 16, 39.80.

54a. SE¼ sec. 42, blk. 38, T. 1 S., on south bank of Midland Draw about 250 yards southeast of concrete bridge on U. S. Highway 80, 2.5 miles northeast of Midland. Water level, in feet below measuring point, 1941: Dec. 16, 16.04.

54b. No measurements made in 1941.

55. Joe Youngblood. SE¼NE¼ sec. 42, blk. 38, T. 1 S., 2.5 miles northeast of Midland. Water level, in feet below measuring point, 1941: Dec. 16, 30.15.

Midland County--Continued.

78. C. J. Weathered. NW¼NW¼ sec. 34, blk. 38, T. 1 S., 5 miles northeast of Midland. Water level, in feet below measuring point, 1941: Dec. 16, 50.91.

98. Texas Highway Department. On right-of-way of U. S. Highway 80, 9.5 miles northeast of Midland. Water level, in feet below measuring point, 1941: Dec. 16, 39.04.

222. R. J. Webb. NW¼NE¼ sec. 23, blk. 41, T. 2 S., on south side of U. S. Highway 80, 12.5 miles southwest of Midland. Water level, in feet below measuring point, 1941: Dec. 16, 22.89.

Milam County

Well numbers correspond to those in Water-Supply Papers 845, 886 and 909.

14a. No measurements made in 1941.

165. John McClerron, Jr. State Highway 36, 8.2 miles northwest of Milano. Water level, in feet below measuring point, 1941: June 2, 11.70.

278. Charles Jones. Nine and one-tenth miles northeast of Milano. Water level, in feet below measuring point, 1941: June 2, 33.88.

285. Bud Smith. Five hundred eighty feet northwest of State Highway 43, 1 mile southeast of highway bridge over Brazos River. Water level, in feet below measuring point, 1941: June 2, 22.91.

311. M. E. Ashley. One-tenth mile north of State Highway 43, 1.9 miles northeast of Milano. Water level, in feet below measuring point, 1941: June 2, 55.31.

333. Clyde Hensley. One-half mile east of State Highway 36, 6.75 miles northwest of Milano. Water level, in feet below measuring point, 1941: June 2, 94.51.

364. Rebecca Graham. In pasture, 82 feet north of State Highway 36, 5.4 miles southeast of Milano. Water level, in feet below measuring point, 1941: June 2, 57.55.

Montgomery County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

22. City of Conroe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Feb. 26	2.09	June 3	1.01	Nov. 4	1.56
Apr. 8	1.35	Sept. 3	3.35	Dec. 16	1.23

29. Brown Estate. One and eight-tenths miles south of courthouse in Conroe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	23.75	June 3	20.43	Sept. 3	22.38	Nov. 4	16.46
Feb. 26	23.10	July 3	19.50	19	23.03	Dec. 16	18.21
Apr. 8	21.55						

30. Measurements discontinued.

45. Blair and Sons. At Tamina store, 0.6 mile east of U. S. Highway 75, 9.2 miles south of county courthouse in Conroe.

Water level, in feet below measuring point, 1941

Jan. 27	25.30	Apr. 8	25.32	July 3	26.38	Nov. 4	22.59
Feb. 26	23.86	June 3	25.81	Sept. 3	25.20	Dec. 16	23.10

Montgomery County--Continued.

46. E. W. Castleschout. Sixty feet west of U. S. Highway 75, 9.5 miles south of county courthouse in Conroe.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	32.68	June 3	32.97	Aug. 15	33.75	Nov. 4	31.52
Feb. 26	30.90	July 3	33.45	Sept.19	33.05	Dec. 16	32.97
Apr. 8	33.30						

57. Hicks. Two and one-quarter miles northwest of Conroe.

Water-level, in feet below measuring point, 1941

Jan. 27	45.87	June 3	44.46	Aug. 15	44.23	Nov. 4	42.97
Feb. 26	45.65	July 3	44.12	Sept.19	44.32	Dec. 16	42.75
Apr. 8	44.83						

Moore County

Well numbers correspond to those in Water-Supply Papers 886 and 909.

2. Measurements discontinued.

3. Measurements discontinued.

Nacogdoches County

Well numbers correspond to those in Water-Supply Papers 840, 845, 849-A, 886 and 909.

66. No measurements made in 1941.

70. No measurements made in 1941.

76. No measurements made in 1941.

113. No measurements made in 1941.

113-A. A. W. McCruistian. Seven and two-tenths miles northeast of Nacogdoches. Water level, in feet below measuring point, 1941: June 17, 75.82.

120. Southern Ice Company. Thirty-five hundredths mile south of railroad station in Nacogdoches. Water level, in feet below measuring point, 1941: June 17, 25.84.

120-A. Southern Ice Company. Thirty feet south of well 120. Water level, in feet below measuring point, 1941: June 17, 12.24.

121. City of Nacogdoches. In city park, 100 feet west of well 122, 0.55 mile north of railroad in Nacogdoches. Water level, in feet below measuring point, 1941: June 17, 47.08.

122. City of Nacogdoches. In city park, 0.55 mile north of railroad station in Nacogdoches, 100 feet east of well 121. Water level, in feet below measuring point, 1941: June 17, 43.38.

128. No measurements made in 1941.

132. No measurements made in 1941.

178. Shell Pipe Line Company. Twelve miles west of Nacogdoches. Water levels, in feet below measuring point, 1941: June 16, 89.84; Sept. 2, 91.58; Sept. 19, 92.00.

198. Piney Woods Country Club. Four and eight-tenths miles south-southeast of Nacogdoches. Water levels, in feet below measuring point, 1941: June 17, 20.35; Aug. 30, 37.56.

199. No measurements made in 1941.

271. L. C. Jacobs. One mile southeast of Woden, 10.5 miles southeast of Nacogdoches. Water level, in feet above measuring point, 1941: June 17, 28.0.

Navarro County

No measurements made in Navarro County in 1941.

Ochiltree County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

2. Along U. S. Highway 83, 6.3 miles south of junction with State Highway 117. Water level, in feet below measuring point, 1941: Dec. 6, 261.85.

3. Along U. S. Highway 83, 6.6 miles south of junction with State Highway 117. Water level, in feet below measuring point, 1941: Dec. 6, 218.16.

Panola County

No measurements made in Panola County in 1941.

Parmer County

Well numbers correspond to those in Water-Supply Papers 840, 845 and 886.

2. Santa Fe Railway, SW¼NE¼ sec. 17, blk. Z, in Lariat. Water levels, in feet below measuring point, 1941: Jan. 27, 103.46; Mar. 10, 103.44; July 30, 103.13.

Potter County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

22. No measurements made in 1941.

38. Masterson Estate. NE¼SE¼ sec. 70, blk. 018, D. & P. R.R., 3 miles southwest of Masterson ranch house, 24.5 miles north of Amarillo. Water level, in feet below measuring point, 1941: Dec. 2, 94.86.

38A. One and one-half miles south of well 38. Water level, in feet below measuring point, 1941: Dec. 2, 46.17.

84A. West of U. S. Highway 87, 15.5 miles north of Amarillo. Water level, in feet below measuring point, 1941: Dec. 2, 1.05.

123. Measurements discontinued.

161. No measurements made in 1941.

197. No measurements made in 1941.

210. Seven and one-half miles north of Amarillo. Water level, in feet below measuring point, 1941: Dec. 2, 75.36.

246. W. S. Birge. Three miles east of Amarillo. Water level, in feet below measuring point, 1941: Dec. 2, 214.20.

Randall County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

6a. NW cor. NW¼ sec. 4, blk. 9, 10.5 miles north of Canyon. Water level, in feet below measuring point, 1941: Jan. 10, 144.40.

76. C. H. Ray. NW¼SW¼ sec. 33, blk. 1, T. T. R.R. survey, 4.75 miles north of Canyon. Water level, in feet below measuring point, 1941: Jan. 8, 108.33.

83a. SE cor. NE¼ sec. 28, blk. B5, 2 miles west of Canyon. Water levels, in feet below measuring point, 1941: Jan. 8, 79.09; Mar. 19, 79.06.

103. W. H. Bush Estate. SW¼NW¼NW¼ sec. 64, blk. B5, 1.2 miles south of Canyon. Water level, in feet below measuring point, 1941: Jan. 10, 10.91.

Randall County--Continued.

117. Melton Dooley. NE¼NW¼ sec. 128, blk. B5, 4.75 miles south of Canyon. Water levels, in feet below measuring point, 1941: Jan. 10, 42.58; Mar. 19, 42.70; May 31, 42.69; July 25, 40.80.

145a. SE cor. NE¼ sec. 10, blk. B5, 7.5 miles west of Canyon. Water levels, in feet below measuring point, 1941: Jan. 10, 111.81; Mar. 19, 111.77.

160a. NE¼SW¼NW¼ sec. 11, blk. B5, 9.5 miles west of Canyon. Water levels, in feet below measuring point, 1941: Jan. 10, 103.39; Mar. 19, 103.37.

167a. No measurements made in 1941.

172a. NE¼NW¼SW¼ sec. 107, blk. B5, H. & G. N. R.R., 9.5 miles south of Canyon. Water levels, in feet below measuring point, 1941: Jan. 8, 108.90; Feb. 4, 108.94; Mar. 19, 108.88; July 25, 109.02.

189a. W. F. Miller. NE¼SE¼SW¼ sec. 109, blk. M8, 2 miles east of Happy. Water level, in feet below measuring point, 1941: Mar. 19, 97.94.

Reeves County

8. Red Bluff Water Power Control District. SW¼SE¼ sec. 48, blk. 57, T-1, T. & P. R.R. survey, 0.75 mile south of Red Bluff lodge, in bottom of Screwbean draw. Unused drilled well, diameter 4 inches, depth about 21 feet. Measuring point, top of cast iron flange over well, at land surface.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1940	10.03	Apr. 24, 1940	11.42	Aug. 8, 1940	9.66
Feb. 19	10.48	May 21	12.14	Mar. 20, 1941	10.0
Mar. 19	10.83				

31. Nasario Lara. Near SW cor. sec. 13, blk. 3, H. & G. N. R.R. survey, 13.5 miles north of Pecos, on bluff west of river road. Used drilled well, diameter 6 inches, depth 198 feet. Measuring point, top of steel casing, at land surface, and 2,652.54 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

Jan. 5, 1940	24.10	June 27, 1940	26.24	Feb. 11, 1941	24.72
Feb. 12	32.17	July 12	25.90	May 14	24.37
May 16	26.26				

52. J. Y. Crum. NW¼NW¼ sec. 16, blk. 4, H. & G. N. R.R. survey, 7.25 miles north of Pecos, east side of river road. Used drilled well, diameter 6 inches, depth 24 feet. Measuring point, rim of can covering casing, at land surface.

Water level, in feet below measuring point, 1940-41

Jan. 4, 1940	11.40	May 15, 1940	10.34	Nov. 16, 1940	12.41
Feb. 12	11.80	June 27	11.87	Feb. 11, 1941	12.76
Mar. 12	11.95	Sept.10	11.96	May 14	11.98
26	11.94	Oct. 6	11.92		

54. T. S. Ingle. SE¼NE¼ sec. 28, blk. 4, H. & G. N. R.R. survey, 6.25 miles northwest of Pecos, 0.75 mile west of junction of Couch road and river road. Used drilled well, diameter 6 inches, depth 51 feet. Measuring point, top of 4 by 6-inch wood pipe clamps, 1.5 feet above land surface.

Water level, in feet below measuring point, 1940-41

Jan. 4, 1940	20.25	May 15, 1940	20.83	Nov. 16, 1940	20.97
Feb. 12	20.31	June 27	20.67	Feb. 11, 1941	21.54
Mar. 26	20.42	Sept.10	21.07	May 14	21.50

Reeves County--Continued.

55. L. Roberson and B. Hubbs. NE cor. NW¼ sec. 35, blk. 4, H. & G. N. R.R. survey, 5.75 miles north of Pecos, on Couch road 2 miles north of U. S. Highway 285. Used drilled well, diameter 6 inches, depth 165 feet. Measuring point, top of steel casing, 0.4 foot above land surface.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Nov. 2, 1939	12.60	May 5, 1940	13.22	Nov. 16, 1940	13.57
Feb. 12, 1940	12.85	June 27	13.17	Feb. 11, 1941	13.80
Mar. 26	12.84	Sept.10	13.60	May 14	14.10

57. John Lopoo. NW¼SE¼ sec. 36, blk. 4, H. & G. N. R.R. survey, 5.1 miles north of railroad crossing in Pecos, on west side of river road. Used drilled well, diameter 6 inches, depth 31 feet. Measuring point, top of steel casing, 2.2 feet above land surface.

Water level, in feet below measuring point, 1939-41

Dec. 19, 1939	4.26	May 20, 1940	5.00	Nov. 16, 1940	5.49
Feb. 12, 1940	4.85	June 27	5.25	Feb. 11, 1941	6.02
Mar. 12	5.04	Sept.10	5.44	May 14	5.43
26	5.39				

63. W. H. Boyd. NW¼ sec. 39, blk. 4, H. & G. N. R.R. survey, 3.5 miles north of Pecos, east side of U. S. Highway 285. Used dug well, depth 30 feet. Measuring point through Mar. 9, 1940, bottom of pitcher pump, 1.1 feet above land surface. Measuring point after Mar. 9, 1940, iron clamp, 0.5 foot above land surface, and 2,606.50 feet above mean sea level.

Water level, in feet below measuring point, 1939-41

Nov. 17, 1939	22.60	May 20, 1940	23.00	Nov. 29, 1940	23.71
Feb. 12, 1940	22.57	Aug. 7	24.03	Feb. 12, 1941	22.00
Mar. 9	22.71	Sept.10	23.62	May 14	22.33

92. Elmer Wadley. SE¼SE¼ sec. 54, blk. 4, H. & G. N. R.R. survey, 6.5 miles west of Pecos, the west well at two windmill towers. Used drilled well, diameter 6 inches, depth 100 feet. Equipped with windmill. Measuring point, top of iron pipe clamp, 2.0 feet above land surface, and 2,676.04 feet above mean sea level.

Water level, in feet below measuring point, 1939-41

Dec. 21, 1939	72.91	Sept.16, 1940	67.17	Feb. 13, 1941	67.24
Aug. 8, 1940	67.38	Nov. 14	67.13	May 10	68.52

93. H. C. Bryan. NW¼NW¼ sec. 44, blk. 4, H. & G. N. R.R. survey, 4 miles northwest of Pecos. Used dug and drilled irrigation well, depth 162 feet. Equipped with turbine pump and gasoline engine. Measuring point, metal bench mark in heavy cross-beam on southeast side of pump at land surface, and 2,644.45 feet above mean sea level.

Water level, in feet below measuring point, 1927, 1930-32, 1939, 1941

June-July, 1927	34.0	Oct. 1, 1931	34.03	Nov. 16, 1939	35.95
Dec. 18, 1930	33.40	27	33.72	Feb. 3	35.41
Mar. 4, 1931	33.26	Dec. 5	33.20	Apr. 16	35.92
Apr. 6	33.42	31	33.47	Aug. 8	37.38
May 6	33.17	Feb. 2, 1932	33.64	Nov. 14	36.33
June 2	33.91	Mar. 1	33.55	Feb. 13, 1941	36.39
July 2	33.70	Apr. 1	33.75	Oct. 22	32.95
Aug. 5	33.60	May 2	33.95	Dec. 16	31.73
Sept. 3	33.99				

96. Harold Wendt. NE¼SW¼ sec. 74, blk. 4, H. & G. N. R.R. survey, 4.25 miles west of Pecos. Unused dug and drilled irrigation well, depth 129 feet. Measuring point, top of north 6 by 6-inch beam, at land surface, and 2,639.60 feet above mean sea level.

Water level, in feet below measuring point, 1930-32, 1939-41

Sept.15, 1930	22.40	Aug. 5, 1931	22.86	Mar. 1, 1932	22.71
Dec. 18	22.50	Sept. 3	22.92	Apr. 1	22.64
Mar. 4, 1931	22.59	Oct. 1	23.05	May 2	22.52
Apr. 6	22.58	27	23.00	June 1	22.52
May 6	22.52	Dec. 5	22.98	Nov. 16, 1939	22.36
June 2	22.63	31	22.86	Apr. 16, 1940	21.87
July 2	22.75	Feb. 2, 1932	22.89	May 10, 1941	16.75

Reeves County--Continued.

100. J. W. Brooks. SW¼NW¼ sec. 73, blk. 4, H. & G. N. R.R. survey, 4 miles west of Pecos, 0.6 mile north of U. S. Highway 80. Used drilled irrigation well, diameter 9-5/8 inches, depth 185 feet. Equipped with turbine pump and diesel engine. Measuring point, bottom of pump base, at land surface and 2,643.69 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Aug. 8, 1940	39.30	Nov. 14, 1940	33.38	June 19, 1941	27.32
Sept.16	37.85	Feb. 13, 1941	32.92		

100-A. J. W. Brooks. Near well 100. Pit, 30 feet deep, in which old centrifugal pump once operated. Measuring point, bottom of pump base.

Water level, in feet below measuring point, 1939-41

Nov. 16, 1939	19.88	Aug. 8, 1940	19.60	Nov. 14, 1940	19.46
Feb. 3, 1940	22.30	Sept.16	19.09	Feb. 13, 1941	20.26
Apr. 16	21.96				

106. Reba Morgan Dairy. NE¼NW¼ sec. 69, blk. 4, H. & G. N. R.R. survey, 2.5 miles west of Pecos, 1.15 miles north of T. & P. Railroad. Used drilled well, diameter 6 inches to 3 inches, depth 165 feet. Equipped with pump and gasoline motor. Measuring point, top of 1-inch ell on hydrant, at land surface and 2,595.08 feet above mean sea level.

Water level, in feet above measuring point, 1939-41

Dec. 21, 1939	2.70	May 2, 1940	0.0	Feb. 5, 1941	4.90
Mar. 1, 1940	4.00	Aug. 18	6.00	Oct. 22	6.10

114. A. Schmid. NW¼NE¼ sec. 66, blk. 4, H. & G. N. R.R. survey, 2.25 miles north of Pecos, on west side of river road. Used drilled irrigation well, diameter 6 inches, depth 308 feet. Equipped with pump and gasoline engine. Measuring point, 3/4-inch hydrant on east side of well, 1.0 foot above land surface.

Water level, in feet above measuring point, 1939-41

Dec. 5, 1939	6.50	May 2, 1940	5.25	Aug. 20, 1941	5.20
Jan. 15, 1940	6.10	Oct. 18	5.80	Oct. 22	8.10
Mar. 1	5.50	Feb. 5, 1941	5.80	Dec. 16	8.30

122. R. V. Nabers. In Pecos, north of radio station KIUN transmitter. Used drilled domestic and irrigation well, diameter 5-5/8 inches, depth 160 feet. Measuring point, 3/4-inch hydrant east of house at land surface and 2,581.25 feet above mean sea level.

Water level, in feet above measuring point, 1939-41

Dec. 5, 1939	12.0	June 20, 1940	7.6	Aug. 20, 1941	9.00
Jan. 15, 1940	13.0	Oct. 19	11.1	Oct. 22	13.20
Mar. 1	12.0	Feb. 5, 1941	13.9	Dec. 16	14.30
May 3	7.5				

124. Texas Highway Department. At roadside park on U. S. Highway 285 in north edge of Pecos. Used drilled irrigation well, diameter 6 inches, depth 180 feet. Measuring point, 3/4-inch hydrant on south side of well, 1.3 feet above land surface and 2,579.35 feet above mean sea level.

Water level, in feet above measuring point, 1939-41

Dec. 5, 1939	13.65	June 20, 1940	9.50	Aug. 20, 1941	10.30
Jan. 15, 1940	13.35	Oct. 19	13.00	Oct. 22	15.50
Mar. 1	13.00	Feb. 5, 1941	15.10	Dec. 16	16.20
May 3	8.50				

130. E. C. Langston. NE¼NW¼ sec. 6, blk. 5, H. & G. N. R.R. survey, in northeast edge of Pecos. Used drilled irrigation well, diameter 5-3/16 inches. Measuring point, 3/4-inch hydrant on west side of well, 2.5 feet above land surface.

Water level, in feet above measuring point, 1939-41

Dec. 5, 1939	15.25	May 2, 1940	9.30	Feb. 5, 1941	15.60
Jan. 15, 1940	14.90	June 20	9.50	Aug. 20	12.10
Mar. 1	15.00	Oct. 18	12.50	Dec. 16	17.05

Reeves County--Continued.

140. E. B. Kiser. Located behind laundry at Boulder Courts in Pecos. Used drilled irrigation and swimming pool well, diameter 6-5/8 inches, depth 190 feet. Measuring point, 3/4-inch hydrant, 0.6 foot below land surface.

Water level, in feet above measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Nov. 20, 1939	12.90	June 20, 1940	5.60	Aug. 20, 1941	7.50
Jan. 15, 1940	13.10	Oct. 18	10.00	Oct. 22	15.05
Mar. 1	14.20	Feb. 5, 1941	14.50	Dec. 16	15.00
May 2	8.60				

155. J. S. Moore. In Pecos, at Alamo and East Streets, on north side of T. & P. Railroad. Used drilled well, diameter 6 inches, depth 136 feet. Measuring point, top of 6-inch reducer plug, 0.3 foot above land surface and 2,586.16 feet above mean sea level.

Water level, in feet above or below measuring point, 1939-41

Nov. 21, 1939	+ 3.60	May 3, 1940	+ 0.21	Aug. 20, 1941	- 0.21
Jan. 16, 1940	+ 5.10	Oct. 18	+ 2.71	Oct. 22	+ 7.80
Mar. 1	+ 4.00	Feb. 6, 1941	+ 5.10	Dec. 16	+ 6.15

167. Ed Otto. In Pecos, on 2nd Street between Willow and Cherry Streets. Used drilled irrigation well, diameter 8 inches. Measuring point, top of 6½-inch tee, 0.9 foot above land surface.

Water level, in feet above measuring point, 1939-41

Nov. 21, 1939	4.95	June 26, 1940	1.40	Aug. 20, 1941	1.38
Jan. 16, 1940	6.10	Oct. 18	4.20	Oct. 22	6.52
Mar. 1	5.50	Feb. 6, 1941	6.00	Dec. 16	7.30
May 3	1.51				

181. J. B. Heard. In Pecos, on 3rd Street between Elm and Cypress Streets. Used drilled irrigation well, diameter 4 inches, depth 200 feet. Measuring point, top of 4-inch tee, 1.0 foot above land surface.

Water level, in feet above measuring point, 1939-41

Nov. 21, 1939	2.90	June 26, 1940	0.35	Aug. 20, 1941	0.00
Jan. 16, 1940	4.90	Oct. 18	2.50	Oct. 22	5.60
Mar. 1	3.00	Feb. 6, 1941	4.50	Dec. 16	5.35
May 3	0.40				

185. Bill Rossman. In Pecos, at Triangle Camp, on U. S. Highway 80. Used drilled irrigation well, diameter 5 inches, depth 246 feet. Measuring point, 3/4-inch hydrant, at land surface.

Water level, in feet above measuring point, 1939-41

Nov. 22, 1939	12.50	June 20, 1940	12.00	Aug. 20, 1941	14.00
Jan. 15, 1940	13.70	Oct. 18	13.50	Oct. 22	14.80
Mar. 1	14.50	Feb. 5, 1941	12.80	Dec. 16	15.05
May 3	13.00				

200. J. W. Brooks. In Pecos, 4th and Ross Streets, just east of Camp Hospital. Unused drilled well, diameter 6 inches, depth 196 feet. Found flowing prior to all measurements. Well was repaired with standpipe and automatic water-stage recorder installed Feb. 14, 1940. Measuring point, top of recorder platform 15 feet above land surface and 2,607.29 feet above mean sea level.

Water level, in feet below measuring point, 1940

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	12.27	13.52	15.36	16.21	15.70	17.81	16.69	15.97	12.01	10.90
2	.....	12.92	13.77	15.40	16.17	15.90	17.91	16.56	15.75	12.01	10.94
3	.....	12.92	14.25	15.21	16.25	16.10	17.71	16.76	16.04	12.20	11.01
4	.....	13.03	14.45	14.94	16.54	16.36	17.60	16.86	16.00	12.36	10.87
5	.....	12.94	14.00	15.34	16.21	16.82	17.62	16.96	16.36	12.38	11.10
6	.....	12.97	12.98	15.98	17.04	16.91	17.38	17.25	15.84	12.24	11.01
7	.....	13.02	12.54	15.66	16.98	16.26	16.02	17.00	15.73	12.20	11.18
8	.....	12.77	12.64	15.66	16.86	17.06	15.48	16.66	15.48	12.08	11.12
9	.....	12.81	13.03	15.10	16.75	17.06	15.45	16.95	15.77	11.87	11.17

Reeves County--Continued.

200. J. W. Brooks--Continued.

Water level, in feet below measuring point, 1940

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
10	.....	12.65	13.53	14.03	16.24	16.80	16.10	16.87	15.57	11.81	11.14
11	.....	12.91	13.55	14.00	16.31	16.94	16.06	16.94	14.97	11.81	11.07
12	.....	13.00	13.62	14.18	16.35	17.17	15.60	16.96	14.12	11.81	10.82
13	.....	12.86	13.65	15.20	16.60	17.26	14.85	16.96	13.70	11.82	10.67
14	10.94	12.97	13.76	15.51	17.07	16.97	14.45	16.67	13.21	.....	10.46
15	11.40	13.08	14.31	15.30	16.81	17.47	14.45	16.62	13.01	11.70	10.37
16	11.34	13.15	14.50	15.90	16.54	17.23	14.87	16.36	12.86	.....	.....
17	11.26	12.84	14.91	15.92	16.90	17.61	15.49	16.12	12.60	.....	.....
18	11.09	12.86	14.87	16.20	17.10	17.45	15.11	16.73	.....	11.50	.....
19	11.20	13.01	14.76	15.86	16.86	17.16	15.44	17.05	.....	.....	.....
20	11.15	13.24	14.56	15.70	16.57	17.54	15.95	17.00	12.45	11.31	10.35
21	11.46	13.00	14.99	15.65	15.85	17.46	16.01	17.22	.....	11.43	10.35
22	11.46	13.04	15.07	14.75	15.67	17.11	16.46	16.82	.....	11.63	10.32
23	11.70	13.25	14.99	14.15	15.86	17.54	16.41	16.45	12.14	11.60	10.72
24	12.14	12.65	14.90	14.25	15.82	17.34	16.75	16.41	12.25	11.51	10.49
25	11.78	12.75	14.87	14.71	15.75	17.30	16.14	16.49	12.15	11.33	10.45
26	12.14	12.55	15.25	15.01	15.75	17.70	15.98	16.12	12.11	11.25	10.62
27	12.40	12.67	15.07	15.64	16.40	17.64	16.41	16.34	12.10	11.11	10.71
28	12.63	13.28	14.77	15.70	16.40	16.76	16.99	16.11	12.32	11.03	10.76
29	12.50	13.57	14.80	16.18	16.16	17.07	17.65	15.66	12.16	10.97	10.77
30	.....	13.37	15.10	16.35	15.65	17.30	17.71	15.96	12.11	10.93	10.91
31	.....	13.14	.....	16.31	.....	17.47	17.21	.....	12.26	.....	11.05

200. J. W. Brooks--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.87	10.05	10.81	12.95	.....	11.56	14.44	12.85	13.71	9.91	9.14	9.65
2	10.78	9.95	10.64	13.00	.....	11.68	14.54	.....	13.42	9.95	9.08	9.80
3	10.56	9.93	10.86	13.14	.....	11.44	14.60	12.65	13.18	9.94	9.18	9.71
4	10.45	9.97	10.75	13.36	.....	11.70	15.11	13.49	13.12	10.11	9.22	9.75
5	10.40	9.97	11.00	13.45	11.90	11.47	15.34	13.32	13.05	10.22	9.35	....
6	10.37	9.85	10.90	13.16	12.28	11.09	14.89	13.65	12.84	10.21	9.25	....
7	10.31	9.83	11.21	13.37	12.56	11.18	14.50	13.30	12.79	10.28	9.36	....
8	10.30	9.79	11.50	13.71	13.11	11.32	14.04	13.61	.....	10.86	9.51	....
9	10.26	9.77	11.20	14.16	13.16	11.66	14.26	14.20	.....	10.50	9.70	....
10	10.20	9.74	11.49	14.52	13.21	12.02	14.16	14.36	12.86	10.45	9.50	9.85
11	10.12	9.73	11.32	14.86	13.10	12.25	14.14	14.68	12.75	10.60	9.58	9.85
12	10.09	9.75	11.20	14.72	12.32	12.45	14.11	14.75	12.65	10.35	9.58	9.66
13	10.01	9.88	11.50	13.91	11.82	13.00	13.97	14.60	12.71	10.26	9.56	9.66
14	10.14	10.23	.....	14.06	12.11	13.25	14.07	14.82	12.55	10.38	9.64	9.61
15	10.14	10.29	11.71	14.35	12.66	12.67	14.62	15.41	12.54	10.10	9.51	9.56
16	10.21	10.21	12.05	15.06	13.24	11.80	14.80	15.10	12.57	9.87	....	9.51
17	10.24	10.34	11.60	15.21	13.60	11.56	14.84	15.11	12.16	9.87	....	9.47
18	10.30	10.56	10.95	15.70	13.18	11.70	15.15	15.45	11.87	9.76	....	9.51
19	10.36	10.83	10.79	15.96	12.76	11.71	14.77	15.56	11.59	9.76	....	9.49
20	10.30	10.91	11.12	15.21	13.16	12.34	14.27	15.22	11.44	9.91	....	9.49
21	10.56	10.76	11.26	15.04	12.72	12.51	15.01	15.50	11.37	9.92	....	9.49
22	10.61	10.50	11.12	14.85	12.65	12.25	15.29	15.30	11.26	9.90	9.38	9.24
23	10.56	10.42	11.05	14.90	.....	12.49	15.01	14.95	11.07	9.92	9.42	9.22
24	10.67	10.46	11.24	14.84	11.75	12.76	14.72	14.71	10.86	9.85	9.61	9.17
25	10.91	10.42	11.12	14.56	.....	13.32	14.61	13.78	10.82	9.46	9.58	9.15
26	10.83	10.35	11.44	14.38	10.63	13.68	14.55	14.26	11.14	9.25	9.67	9.51
27	10.80	10.53	11.81	13.68	10.87	13.91	14.58	14.47	11.15	9.26	9.72	9.44
28	10.46	10.91	12.31	13.37	11.05	14.09	13.87	14.35	10.75	9.26	10.14	9.27
29	10.24	.....	12.26	.....	11.30	13.58	13.55	14.37	10.45	9.25	9.86	9.58
30	10.10	.....	12.20	.....	11.51	13.86	14.01	14.34	10.10	9.23	9.74	9.51
31	10.03	.....	12.58	.....	11.70	.....	13.41	14.11	.....	9.20	....	9.35

Reeves County--Continued.

202. Texas Highway Department. In west edge of Pecos, at junction of State Highway 17 with U. S. Highway 80. Used drilled irrigation well, diameter 4 inches, depth 298 feet. Measuring point, top of 2½-inch tee, 1.0 foot above land surface and 2,598.72 feet above mean sea level.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Nov. 22, 1939	1.92	May 4, 1940	4.82	Aug. 20, 1941	0.97
Jan. 15, 1940	1.58	June 26	5.78	Oct. 22	0.33
Mar. 1	2.30	Feb. 6, 1941	0.60	Dec. 16	0.00

231. W. W. Dean. In Pecos, at 6th and Hackberry Streets. Used drilled irrigation well, diameter 8 inches, depth 325 feet. Measuring point, top of brass swedge nipple on casing, at land surface.

Water level, in feet above or below measuring point, 1939-41

Nov. 24, 1939	+ 3.90	May 4, 1940	+ 0.90	Aug. 20, 1941	- 0.04
Jan. 15, 1940	+ 4.20	June 26	+ 1.00	Oct. 22	+ 6.90
Mar. 1	+ 4.00	Feb. 6, 1941	+ 5.20	Dec. 16	+ 6.20

239. B. T. Biggs. In Pecos, on 7th Street between Willow and Cherry Streets. Unused drilled well, diameter 6 inches, depth 285 feet. Measuring point, top of steel casing, 3.5 feet above land surface.

Water level, in feet below measuring point, 1940-41

Apr. 15, 1940	4.72	May 21, 1940	5.19	July 17, 1940	6.19
16	4.44	22	5.06	22	6.35
17	4.67	23	4.68	23	6.34
18	4.65	24	4.40	29	5.80
19	4.50	27	5.13	30	6.29
20	4.47	28	5.29	31	6.32
22	4.72	29	5.43	Aug. 7	5.85
23	4.83	30	5.44	8	5.52
24	4.82	31	5.45	9	5.48
25	4.81	June 1	5.44	10	5.58
26	4.73	3	5.87	12	5.58
29	4.78	10	5.89	13	5.20
30	4.80	11	5.32	14	5.01
May 1	4.86	12	5.53	16	4.98
2	4.93	17	5.69	17	5.20
3	4.92	18	6.08	18	5.21
4	4.92	19	5.90	19	5.15
6	5.01	20	5.74	20	5.27
7	5.35	21	5.40	21	5.36
8	5.28	24	5.45	22	5.52
9	5.12	25	5.19	Feb. 6, 1941	0.85
11	4.56	27	5.37	Oct. 22	1.58
15	5.15	July 12	6.10	Nov. 7	0.57
18	5.35	13	5.97	22	0.51
19	5.33	15	6.04	Dec. 10	0.68
20	5.09	16	6.14	16	0.55

253. L. F. Buchanan. In Pecos, at 8th and Oak Streets. Used drilled irrigation well, diameter 5 inches, depth 210 feet. Measuring point, outlet back of house at land surface.

Water level, in feet above measuring point, 1939-41

Dec. 2, 1939	4.30	May 3, 1940	1.70	Feb. 5, 1941	5.40
Jan. 15, 1940	4.10	June 25	1.70	Oct. 22	1.40
Mar. 1	4.00	Oct. 19	3.30	Dec. 16	5.85

265. S. M. Prewit. SW¼NE¼NE¼ sec. 10, blk. 5, H. & G. N. R.R. survey, 1 mile west of U. S. Highway 285. Used drilled well, diameter 5-5/8 inches. Measuring point, top of steel casing, 2.6 feet above land surface and 2,582.3 feet above mean sea level.

Water level, in feet above measuring point, 1939-41

Dec. 5, 1939	2.85	June 25, 1940	0.70	Aug. 20, 1941	1.43
Jan. 15, 1940	3.00	Oct. 19	1.80	Oct. 22	4.09
Mar. 1	3.00	Feb. 6, 1941	5.10	Dec. 16	5.22
May 4	0.50				

Reeves County--Continued.

266. Jim Deakins. One mile southeast of Reeves County court house, 0.2 mile east of U. S. Highway 285. Unused drilled well, diameter 5 inches, depth 240 feet. Measuring point, through Feb. 5, 1941, top of 2-inch tee, 2.6 feet below land surface and 2,572.50 feet above mean sea level. Well was repaired with standpipe, and automatic water-stage recorder installed Aug. 27, 1941, after which measuring point was top of recorder platform, 13.9 feet above original measuring point.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Dec. 4, 1939	a 8.10	Oct. 1, 1941	2.20	Nov. 13, 1941	1.80
Jan. 17, 1940	a 8.10	2	2.00	14	1.82
Feb. 6	a 8.60	3	1.97	15	1.81
Mar. 1	a 6.00	4	2.00	22	1.77
May 4	a 8.10	5	2.01	23	1.82
June 26	a 7.83	6	2.01	24	1.84
Oct. 18	a 8.30	7	2.05	25	1.82
Feb. 5, 1941	a 8.60	8	2.02	26	1.79
Aug. 27	3.22	9	2.03	27	1.80
28	3.23	10	2.04	28	1.79
29	3.21	11	2.02	29	1.78
30	3.20	12	1.98	30	1.76
31	3.20	13	1.97	Dec. 1	1.75
Sept. 1	3.17	14	1.97	2	1.75
2	3.12	15	2.01	3	1.75
3	3.08	16	2.00	4	1.68
4	3.06	17	1.99	5	1.78
5	3.04	18	2.00	6	1.79
6	3.06	19	2.02	7	1.74
7	3.02	20	2.06	8	1.75
8	3.00	21	2.06	9	1.72
9	3.02	22	2.06	10	1.68
10	3.03	23	2.08	11	1.68
11	3.01	24	2.08	12	1.65
12	2.97	25	1.97	13	1.67
13	2.92	26	1.87	14	1.67
14	2.91	27	1.91	15	1.69
15	2.91	28	1.89	16	1.69
16	2.91	29	1.82	17	1.65
17	2.91	30	1.84	18	1.65
18	2.90	31	1.84	19	1.66
19	2.88	Nov. 1	1.82	20	1.67
20	2.84	2	1.78	21	1.64
21	2.82	3	1.78	22	1.59
22	2.82	4	1.78	23	1.61
23	2.78	5	1.79	24	1.58
24	2.71	6	1.77	25	1.61
25	2.73	7	1.82	26	1.64
26	2.71	8	1.83	27	1.68
27	2.59	9	1.79	28	1.69
28	2.52	10	1.82	29	1.67
29	2.50	11	1.85	30	1.63
30	2.40	12	1.83	31	1.62

271. S. M. Prewit. One and one-half miles east of Pecos. Unused drilled well, diameter 6 inches, depth 440 feet. Measuring point, top of casing, 1.5 feet above land surface.

Water level, in feet below measuring point, 1940-41

Jan. 2, 1940	14.88	May 7, 1940	12.91	Nov. 15, 1940	10.42
Feb. 8	13.90	July 20	12.64	Feb. 12, 1941	10.93
Mar. 2	13.97	Sept.10	13.07	May 14	10.05
Apr. 1	13.29				

a Above measuring point.

Reeves County--Continued.

274. Denver Perkins. NW cor. sec. 2, blk. 6, H. & G. N. R.R. survey, 3.75 miles east of Pecos, south bank of Pecos River. Unused drilled stock well, diameter 5 inches, depth 66.7 feet. Equipped with windmill. Measuring point, top of concrete casing, 2.0 feet above land surface.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Oct. 9, 1939	10.00	May 7, 1940	9.50	Nov. 15, 1940	9.28
Feb. 8, 1940	10.23	July 20	9.88	Feb. 12, 1941	10.12
Mar. 2	10.57	Sept.10	10.21	May 14	9.42
Apr. 1	10.05				

283. J. M. Williams. SW¼NE¼ sec. 22, blk. 5, H. & G. N. R.R. survey, 3.5 miles southwest of Pecos, 0.75 mile west of State Highway 17. Used dug and drilled irrigation well, diameter 10 inches, depth 240 feet. Measuring point, through June 1, 1932, bench mark in middle of south edge of north 4 by 6-inch cross-beam, at land surface. Measuring point, since Nov. 16, 1939, bottom of west 16 by 16-inch pump frame timber, at land surface and 2,627.2 feet above mean sea level.

Water level, in feet below measuring point, 1927, 1930-32, 1939-41

June-July, 1927	25.00	Dec. 5, 1931	23.82	Feb. 5, 1940	25.41
Dec. 18, 1930	25.63	31	23.77	Mar. 11	27.23
Mar. 4, 1931	25.66	Feb. 2, 1932	23.67	May 17	35.7
Apr. 6	25.75	Mar. 1	23.61	Sept.12	30.02
May 6	25.25	Apr. 1	23.67	Feb. 12, 1941	25.73
June 2	28.00	May 2	23.87	May 14	27.14
Oct. 1	26.96	June 1	23.65	Oct. 22	25.70
26	25.10	Nov. 16, 1939	26.57		

286. Texas Highway Department. SW¼SW¼ sec. 73, blk. 4, H. & G. N. R.R. survey, on south side of U. S. Highway 80, 4 miles southwest of Pecos. Unused drilled well, diameter 6 inches, depth 80 feet. Measuring point, top of steel casing, 3.0 feet above land surface and 2,643.27 feet above mean sea level.

Water level, in feet below measuring point, 1939-41

Nov. 16, 1939	35.80	Aug. 8, 1940	36.57	Feb. 14, 1941	33.20
Feb. 8, 1940	35.58	Sept.12	36.50	May 10	35.22
Apr. 17	35.75	Nov. 21	35.55	Dec. 16	34.31
May 17	35.99				

289. Bell and Reagan. NW¼SE¼ sec. 77, blk. 4, H. & G. N. R.R. survey, 5.25 miles west of Pecos, 300 feet south of U. S. Highway 80. Unused drilled irrigation well, diameter 10-3/4 inches, depth 226 feet. Automatic water-stage recorder installed Feb. 1, 1940. Measuring point, top of recorder platform, 2.0 feet above land surface and 2,666.86 feet above mean sea level.

Water level, in feet below measuring point, 1940

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.13	53.45	54.36	55.84	56.47	55.35	57.01	56.26	55.40	53.95	53.21
2	.....	53.76	54.77	55.77	56.40	55.56	57.08	56.52	55.47	53.96	53.64
3	52.12	53.36	55.10	55.36	56.43	56.40	57.18	56.63	55.71	53.75	53.67
4	52.08	53.85	55.32	55.38	56.40	56.75	57.05	56.80	55.70	53.46	53.95
5	52.06	54.17	54.50	55.60	56.40	56.84	57.15	56.86	55.91	53.40	53.93
6	52.18	54.10	53.37	55.02	56.30	56.84	57.04	56.60	55.80	53.85	53.77
7	52.10	53.80	53.37	55.61	56.54	56.27	55.64	56.61	55.81	53.82	53.92
8	52.08	54.08	53.91	55.74	56.42	56.72	55.34	56.18	55.72	53.48	53.55
9	52.15	53.80	54.36	55.15	56.25	56.85	55.56	56.07	55.63	53.26	53.71
10	52.12	53.25	54.39	54.55	56.47	56.75	55.91	56.15	55.68	53.20	53.47
11	52.11	54.54	54.65	54.20	56.64	56.57	55.76	56.37	55.02	53.21	53.40
12	52.10	54.40	54.63	54.60	56.67	56.92	55.67	56.66	54.35	53.28	53.04
13	52.31	54.35	54.44	55.45	56.85	57.00	55.00	56.61	54.12	53.28	52.98
14	52.15	54.80	54.15	55.35	56.93	56.95	54.64	56.32	53.90	53.34	52.92
15	52.07	54.70	54.85	55.55	56.65	57.04	55.12	56.00	53.88	53.34	52.88
16	52.15	54.24	54.65	55.75	56.60	57.05	55.86	55.30	53.84	53.24	52.86
17	52.15	53.69	54.77	55.58	56.42	57.06	55.95	56.01	53.78	53.21	52.84

Reeves County--Continued.

289. Bell and Reagan--Continued.

Water level, in feet below measuring point, 1940

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	52.15	53.68	55.05	55.37	56.56	56.95	55.94	56.35	53.79	53.15	52.80
19	52.78	53.60	55.25	55.40	56.76	56.52	56.17	56.20	53.75	53.17	52.80
20	53.01	53.45	55.15	55.40	56.80	56.65	56.24	56.30	53.63	53.17	52.80
21	53.35	53.65	54.75	.....	56.08	56.55	56.24	56.35	53.85	53.71	52.82
22	53.57	54.05	55.10	.....	56.17	56.53	56.26	56.16	54.03	53.81	52.82
23	53.67	54.11	55.41	.....	55.82	56.77	56.27	56.08	54.08	53.61	52.77
24	53.95	53.46	55.10	.....	56.05	56.57	56.50	55.85	54.01	53.31	53.12
25	53.35	53.61	55.12	.....	55.96	56.60	56.10	55.64	54.05	53.15	53.20
26	53.98	53.56	55.42	.....	55.92	56.82	56.02	55.64	54.00	53.07	52.94
27	54.42	53.90	55.40	.....	56.25	56.80	56.74	55.86	53.77	53.08	53.21
28	54.55	54.05	55.15	56.10	56.24	56.90	57.01	55.65	53.95	53.54	53.25
29	54.00	54.49	55.13	56.46	56.25	56.94	57.11	55.46	54.02	53.57	53.00
30	.....	54.47	55.25	56.46	55.25	57.12	57.17	55.45	53.90	53.51	52.76
31	.....	53.98	.....	56.35	.....	57.03	56.75	.....	53.66	.....	52.74

289. Bell and Reagan--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.80	52.48	52.96	55.02	54.25	52.75	55.95	54.40	55.50	52.93	52.46	52.66
2	52.80	52.48	52.55	55.20	54.02	53.50	55.85	54.45	55.51	52.85	52.48	52.97
3	52.77	52.57	52.70	55.35	53.55	53.55	56.00	54.35	55.57	52.82	52.44	52.91
4	52.74	52.52	52.86	55.37	53.25	53.80	56.25	54.70	55.27	53.30	52.44	53.32
5	52.70	52.47	53.50	55.52	54.07	53.30	56.04	54.66	54.85	53.05	52.43	53.27
6	52.69	52.40	53.55	54.91	54.15	52.78	55.58	55.12	54.70	53.44	52.92	53.26
7	52.67	52.43	53.66	55.21	54.57	52.75	55.66	54.50	54.35	53.56	53.25	52.97
8	52.67	52.42	53.34	55.66	54.91	53.40	55.80	54.82	54.96	53.27	52.96	53.07
9	52.72	52.42	53.13	55.85	55.04	53.91	55.35	55.48	55.20	52.90	52.70	52.74
10	52.70	52.40	53.55	56.06	54.92	54.02	54.90	55.25	55.24	53.34	53.27	53.11
11	52.64	52.40	53.60	55.94	54.75	54.22	55.07	55.40	55.05	53.82	53.36	53.08
12	52.55	52.30	53.20	55.75	53.75	54.34	55.24	55.42	54.66	53.46	53.30	53.06
13	52.54	52.41	54.01	55.25	53.42	54.72	55.00	55.58	55.00	53.14	53.40	53.04
14	53.17	52.41	54.01	55.27	53.90	55.10	55.34	55.56	54.76	53.33	53.38	52.61
15	52.83	52.50	54.05	55.98	54.80	54.30	55.47	56.05	54.80	53.10	53.43	52.37
16	53.24	52.43	53.50	56.17	54.76	53.84	55.55	56.06	54.37	53.15	.....	52.31
17	52.92	53.07	53.02	56.51	54.90	53.98	55.90	55.72	54.25	53.05	.....	53.00
18	52.75	53.17	53.10	56.56	54.30	53.92	55.97	56.05	53.76	52.76	.....	53.05
19	52.56	53.66	53.30	56.51	54.38	54.05	55.70	55.82	53.55	52.73	.....	52.56
20	53.12	53.40	53.75	55.95	54.77	54.18	55.15	56.20	53.40	52.73	.....	52.32
21	53.30	53.07	53.91	55.79	54.40	54.08	55.40	56.25	.....	52.66	.....	52.27
22	53.27	52.65	53.72	56.15	55.07	53.65	55.80	56.32	.....	53.34	52.36	52.17
23	53.34	52.51	53.28	56.15	54.75	54.00	54.86	56.02	.....	53.41	52.45	52.16
24	53.35	52.82	54.12	55.67	53.70	54.64	54.86	55.40	.....	53.00	53.07	52.12
25	53.04	52.65	54.05	55.40	53.27	54.94	54.76	55.16	.....	52.65	53.08	52.13
26	52.73	53.02	54.20	54.76	53.09	54.77	55.20	55.45	53.50	52.49	53.40	52.75
27	52.67	53.27	54.37	53.98	52.97	55.05	55.20	55.40	53.31	53.25	53.57	52.31
28	52.67	53.28	54.90	53.70	52.90	55.15	55.00	56.02	53.08	53.00	53.57	52.25
29	52.59	.....	54.76	53.50	52.87	54.70	55.10	56.22	53.06	52.55	53.50	52.21
30	52.52	.....	53.97	53.97	52.84	55.57	54.96	55.94	52.98	52.50	53.10	52.13
31	52.49	.....	54.90	.....	52.82	.....	54.48	55.45	.....	52.50	.....	52.25

292. Texas Highway Department. On U. S. Highway 80 right-of-way, south side, 8.25 miles west of Pecos. Unused drilled well, diameter 6 inches, depth 153 feet. Measuring point, top of steel casing, 1.5 feet above land surface.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Nov. 16, 1939	95.45	May 16, 1940	95.83	Feb. 14, 1941	94.62
Feb. 13, 1940	95.40	Aug. 8	96.56	May 10	96.15
Feb. 26	94.98	Sept. 12	97.95	Dec. 16	95.47
Apr. 17	95.60	Nov. 21	96.10		

Reeves County--Continued.

338. Toyah High School. In Toyah. Used drilled irrigation well, diameter 10 inches, depth 813 feet. Measuring point, 1¼-inch valve, 0.5 foot above land surface.

Water level, in feet above measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Dec. 15, 1939	70.+	May 16, 1940	57.3	Oct. 22, 1941	83.0
Feb. 13, 1930	51.2	Oct. 21	93.0		

363-A. Billie Prewit. SE¼SE¼ sec. 24, blk. C-10, public school land, 11.75 miles southwest of Pecos. Unused dug well, depth 30 feet. Measuring point, top of wood frame 2.0 feet above land surface and 2,672.24 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

July 31, 1940	25.25	Nov. 22, 1940	24.52	May 14, 1941	22.80
Aug. 19	25.20	Feb. 12, 1941	23.49	Dec. 16	21.11
Sept.14	25.25	Mar. 11	23.27		

383. Elmer Wadley. NE¼NE¼ sec. 6, blk. C-9, public school land, 6.75 miles south of Pecos, on west side of State Highway 17. Unused drilled well, diameter 5 inches, depth 34 feet. Measuring point, top of steel casing, 1.3 feet above land surface and 2,634.22 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

Feb. 5, 1940	26.64	May 17, 1940	25.24	Nov. 15, 1940	24.63
26	26.82	July 30	26.72	Feb. 12, 1941	26.60
Mar. 11	26.90	Aug. 19	26.72	May 14	26.76
Apr. 15	24.20	Sept. 7	27.10	Dec. 5	24.72

387. Tatum Eisenwine. NE¼NW¼ sec. 30, blk. 5, H. & G. N. R.R. survey, 4 miles south of Pecos, about 0.8 mile east of U. S. Highway 285. Unused drilled well, diameter 6 inches. Well was repaired with standpipe and automatic water-stage recorder installed July 17, 1940. Measuring point, top of recorder platform, 17.9 feet above land surface.

Water level, in feet below measuring point, 1940

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	8.47	8.34	8.46	7.79	7.40
2	....	8.45	8.33	8.44	7.79	7.41
3	....	8.43	8.33	8.44	7.76	7.40
4	....	8.41	8.31	8.45	7.72	7.37
5	....	8.43	8.32	8.46	7.73	7.37
6	....	8.40	8.35	8.47	7.73	7.34
7	....	8.39	8.37	8.51	7.71	7.35
8	....	8.39	8.38	8.49	7.65	7.33
9	....	8.38	8.39	8.45	7.62	7.31
10	....	8.38	8.37	8.45	7.58	7.30
11	....	8.37	8.43	8.38	7.60	7.30
12	....	8.37	8.42	8.25	7.59	7.28
13	....	8.36	8.40	8.22	7.62	7.28
14	....	8.33	8.39	8.17	7.63	7.27
15	....	8.31	8.40	8.17	7.61	7.26
16	....	8.30	8.39	8.14	7.58	7.27
17	9.12	8.31	8.40	8.12	7.56	7.24
18	9.07	8.31	8.41	8.11	7.53	7.22
19	8.95	8.32	8.41	8.08	7.50	....
20	8.86	8.31	8.43	8.04	7.52	7.22
21	8.80	8.30	8.44	8.00	7.49	7.22
22	8.75	8.29	8.45	7.98	7.48	7.22
23	8.70	8.30	8.44	7.96	7.47	7.20
24	8.65	8.30	8.43	7.93	7.47	7.17
25	8.62	8.29	8.48	7.91	7.46	7.14
26	8.59	8.30	8.49	7.89	7.45	7.12
27	8.56	8.30	8.47	7.85	7.46	7.14
28	8.52	8.32	8.46	7.83	7.46	7.11
29	8.52	8.32	8.46	7.83	7.42	7.12
30	8.50	8.35	8.47	7.80	7.39	7.10
31	8.49	8.36	....	7.78	....	7.09

Reeves County--Continued.

387. Tatum Eisenwine--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.11	6.92	6.79	6.75	6.84	6.68	6.57	6.79	6.96	6.71	6.27	....
2	7.12	6.90	6.76	6.74	6.84	6.68	6.60	6.79	6.94	6.68	6.25	6.17
3	7.11	6.90	6.79	6.76	6.81	6.69	6.61	6.79	6.94	6.68	6.24	6.18
4	7.11	6.91	6.83	6.78	6.82	6.70	6.62	6.79	6.92	6.67	6.24	6.14
5	7.09	6.89	6.82	6.78	6.82	6.65	6.62	6.79	6.93	6.68	6.25	6.19
6	7.08	6.89	6.83	6.80	6.84	6.56	6.63	6.79	6.93	6.66	6.24	6.20
7	7.09	6.90	6.86	6.82	6.84	6.56	6.63	6.80	6.92	6.68	6.25	6.18
8	7.10	6.90	6.85	6.82	6.83	6.54	6.58	6.79	6.92	6.67	6.25	6.19
9	7.12	....	6.83	6.83	6.83	6.55	6.60	6.81	6.94	6.67	6.22	6.17
10	7.12	....	6.83	6.82	6.85	6.58	6.61	6.83	6.95	6.70	6.22	6.14
11	7.07	....	6.82	6.82	6.85	6.59	6.62	6.84	6.94	6.69	6.24	6.14
12	7.06	....	6.82	6.82	6.82	6.58	6.63	6.84	....	6.66	6.23	6.12
13	7.02	....	6.85	6.84	6.79	6.58	6.65	6.85	....	6.64	6.20	6.13
14	7.01	....	6.82	6.84	6.78	6.57	6.66	6.86	....	6.63	6.21	6.13
15	6.98	6.83	6.77	6.81	6.78	6.51	6.67	6.89	6.89	6.63	6.19	6.13
16	6.99	6.83	6.77	6.83	6.78	6.47	6.67	6.90	6.90	6.63	....	6.14
17	7.01	6.83	6.80	6.83	6.79	6.48	6.68	6.90	6.89	6.60	....	6.12
18	7.01	6.82	6.80	6.83	6.80	6.48	6.68	6.91	6.85	6.59	....	6.11
19	7.01	6.81	6.78	6.86	6.78	6.47	6.69	6.92	6.86	6.57	....	....
20	6.97	6.82	6.76	6.88	6.80	6.48	6.72	6.94	6.84	6.56	....	6.13
21	6.97	6.82	6.76	6.90	6.82	6.49	6.73	6.95	6.84	6.55	....	6.12
22	6.96	6.81	6.76	6.89	6.83	6.51	6.73	6.96	6.83	6.54	6.17	6.09
23	6.95	6.82	6.77	6.90	6.84	6.52	6.75	6.96	6.80	6.54	6.22	6.10
24	6.96	6.78	6.77	6.93	6.73	6.54	6.76	6.97	6.75	6.54	6.23	6.08
25	6.94	6.78	6.76	6.94	6.71	6.54	6.76	6.94	6.74	6.42	6.21	6.10
26	6.95	6.79	6.77	6.89	6.69	6.55	6.77	6.95	6.77	6.32	6.19	6.11
27	6.98	6.81	6.78	6.87	6.69	6.54	6.78	6.97	6.75	6.34	6.19	6.13
28	6.98	6.79	6.79	6.87	6.70	6.54	6.77	6.99	6.75	6.34	6.19	6.14
29	6.97	....	6.79	6.85	6.70	6.56	6.78	6.98	6.76	6.30	6.18	6.13
30	6.95	....	6.76	6.85	6.70	6.56	6.78	6.98	6.74	6.29	6.17	6.12
31	6.94	....	6.77	....	6.68	....	6.78	7.00	....	6.30	....	6.16

394. Frank Joplin. NE¼NW¼ sec. 25, blk. 5, H. & G. N. R.R. survey, 2.75 miles southeast of Pecos on Grandfalls road. Unused drilled well, diameter 5-3/8 inches, depth 220 feet. Measuring point, top of casing, 0.5 foot above land surface and 2,574.06 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1940	5.70	May 7, 1940	6.83	Nov. 22, 1940	5.80
Feb. 19	6.34	22	6.84	Feb. 15, 1941	5.78
Mar. 5	7.25	July 20	6.39	Mar. 16	5.73
Apr. 1	7.09	Sept.10	6.20	May 13	5.25
10	6.99	Oct. 5	6.20	Oct. 22	5.02

396. G. W. Watson. NW¼SW¼ sec. 27, blk. 6, public school land, 4 miles southeast of Pecos, 1,000 feet south of Grandfalls road. Unused drilled well, diameter 7 inches, depth 106 feet. Measuring point, top of steel casing collar, 1.6 feet above land surface and 2,589.86 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

Feb. 19, 1940	22.45	May 7, 1940	22.32	Nov. 22, 1940	22.29
Mar. 5	22.40	July 20	22.50	Feb. 15, 1941	21.87
Apr. 1	22.39	Sept.10	22.60	Mar. 16	21.76
10	22.34	Oct. 5	22.70	May 13	21.41

Reeves County--Continued.

406. S. M. Prewit. Center of east line of SE¼ sec. 40, blk. 6, H. & G. N. R.R. survey, 7.75 miles south of Pecos, on west side of U. S. Highway 285. Used drilled well, diameter 6 inches, depth 168 feet. Measuring point, top of sleeve on casing, 1.2 feet above land surface.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1940	27.15	Sept. 4, 1940	27.47	Apr. 2, 1941	27.45
May 20	27.17	Nov. 22	26.09	May 13	27.18
June 27	27.40	Feb. 14, 1941	27.89	Dec. 16	25.77
Aug. 21	27.40	Mar. 1	27.72		

418-A. R. D. Irion. SW¼SW¼ sec. 21, blk. C-6, public school land, 10 miles southeast of Pecos. Unused drilled well, diameter 6 inches, depth 77 feet. Measuring point, top of casing, at land surface.

Water level, in feet below measuring point, 1940-41

Mar. 5, 1940	75.88	Sept.10, 1940	75.23	Apr. 2, 1941	74.34
May 22	75.65	Feb. 13, 1941	74.92	May 13	74.10
July 20	75.33				

427. H. F. Anthony. NW¼SE¼ sec. 5, blk. C-6, public school land, 14 miles southeast of Pecos on Grandfalls road. Used drilled well, diameter 4 inches, depth 86 feet. Equipped with windmill. Measuring point top of 4 by 4-inch wood pipe clamp, 2.0 feet above land surface.

Water level, in feet below measuring point, 1940-41

Mar. 7, 1940	73.08	July 23, 1940	70.48	May 13, 1941	66.67
May 22	70.82	Apr. 10, 1941	67.58	Oct. 31	64.78
July 20	83.50				

449. Eddins Estate. SW¼NW¼ sec. 5, blk. C-1, public school land, 19.5 miles southeast of Pecos. Unused drilled well, diameter 3 inches, depth 154 feet. Measuring point, top of casing at land surface.

Water level, in feet below measuring point, 1940-41

Mar. 5, 1940	129.60	July 20, 1940	128.24	Feb. 13, 1941	128.14
Apr. 1	128.20	Sept.10	128.22	May 13	131.10
May 22	218.22				

455. Eddins Estate. NE¼ sec. 13, blk. C-1, public school land, 18.25 miles southeast of Pecos. Unused drilled well, diameter 5 inches, depth 129 feet. Measuring point, top of casing, 1.2 feet above land surface.

Water level, in feet below measuring point, 1940-41

Jan. 16, 1940	106.98	Sept.19, 1940	107.17	May 13, 1941	106.89
May 31	107.10	Apr. 2, 1941	107.15		

456. Port Daggett. NE¼NW¼ sec. 31, blk. 50, T-7, T. & P. R.R. survey, 14.75 miles southeast of Pecos, 0.75 mile east of U. S. Highway 285. Used drilled well, diameter 8 inches, depth 83 feet. Measuring point, top of 6 by 6-inch wood pipe clamp, 0.2 foot above land surface.

Water level, in feet below measuring point, 1940-41

Jan. 17, 1940	61.47	Sept. 4, 1940	61.56	May 13, 1941	61.35
May 31	61.57	Mar. 1, 1941	61.19	Oct. 31	60.52

493-A. R. P. Verhalen. SE¼SW¼ sec. 153, blk. 13, H. & G. N. R.R. survey, 9 miles northwest of Saragosa, west side of State Highway 17. Unused drilled irrigation well, diameter 24 inches, depth 220 feet. Measuring point, June 1927 through June 1, 1932, bench mark in cross-beam on east side of well, at land surface. Measuring point since Mar. 2, 1941, top of steel casing, at land surface.

Water level, in feet below measuring point, 1927, 1930-32, 1941

July 1927	27.50	Aug. 5, 1931	26.00	Mar. 1, 1932	25.43
Nov. 5, 1930	26.34	Sept. 3	25.93	Apr. 1	25.88
Dec. 18	26.19	Oct. 1	25.81	May 2	25.83
Mar. 4, 1931	26.09	26	25.77	June 1	25.85
Apr. 6	26.15	Dec. 5	25.56	Mar. 2, 1941	24.79
May 6	26.20	31	25.54	May 15	20.98
June 2	26.04	Feb. 2, 1932	25.62	Dec. 5	21.31
July 2	25.87				

Reeves County--Continued.

519. J. R. Wilson. NE¼NE¼ sec. 14, blk. 50, T-8, T. & P. R.R. survey, 24 miles southeast of Pecos, on east side of U. S. Highway 285. Unused drilled well, diameter 8 inches, depth 81 feet. Measuring point, top of sleeve on casing, 4.2 feet above land surface.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1940	79.28	Mar. 1, 1941	78.54	Oct. 31, 1941	77.40
Sept. 5	77.27	Apr. 2	78.80		

540. Texas & Racific Railway Company. At gravel pit on south side of State Highway 17, 2.5 miles northeast of Saragosa. Used drilled well, diameter 14 inches, depth 200 feet. Equipped with windmill. Measuring point, top of 8 by 8-inch wood pipe clamps, 0.5 foot above land surface.

Water level, in feet below measuring point, 1940-41

Mar. 11, 1940	78.35	Sept. 7, 1940	79.29	May 15, 1941	76.75
Apr. 15	78.60	Mar. 1, 1941	77.49	Dec. 5	76.32
July 31	79.25				

543. Sol Mayer. In Saragosa. Used drilled well, diameter 5 inches, depth 142 feet. Equipped with windmill. Measuring point, top of casing, 1.4 feet above land surface.

Water level, in feet below measuring point, 1940-41

Apr. 18, 1940	126.98	July 30, 1940	127.84	Mar. 2, 1941	122.89
May 27	127.52	Aug. 19	127.67	May 15	123.27

Roberts County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

1. One and one-half miles east of Miami. Water level, in feet below measuring point, 1941: Dec. 6, 2.95.

2. Measurements discontinued.

3. Five miles east of Miami. Water level, in feet below measuring point, 1941: Dec. 6, 39.87.

Robertson County

Well numbers correspond to those in Water-Supply Papers 845, 886 and 909.

1. No measurements made in 1941.

2. No measurements made in 1941.

3. No measurements made in 1941.

5. Mrs. Davidson. Five and seven-tenths miles southeast of Hearne. Water level, in feet below measuring point, 1941: June 2, 53.74.

6. No measurements made in 1941.

8. Tom Squires. Fourteen miles northeast of Benchley. Water level, in feet below measuring point, 1941: June 2, 20.24.

Rusk County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

16. No measurements made in 1941.

31. No measurements made in 1941.

31-A. Shell Petroleum Corporation. About 250 feet southwest of well 31. Water level, in feet below measuring point, 1941: Oct. 6, 55.34.

Rusk County--Continued.

165. No measurements made in 1941.

177. No measurements made in 1941.

179. No measurements made in 1941.

248. No measurements made in 1941.

255. No measurements made in 1941.

415. No measurements made in 1941.

416. No measurements made in 1941.

434. No measurements made in 1941.

445. No measurements made in 1941.

San Patricio County

Well numbers correspond to those in Water-Supply Paper 909.

58. J. D. Mills. In north half of lot 3, block 105, McCampbell subdivision, in Aransas Pass, 2.5 miles west of center of Aransas Pass. Water levels, in feet below measuring point, 1941: May 16, 17.67; May 31, 18.44; Sept. 12, 18.78.

68. F. N. Edwards. In lot 9, block 86, McCampbell subdivision, 0.5 mile east-southeast of Ingleside, 4 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 28, 18.87; May 17, 20.70; May 31, 18.10.

69. O. V. Coopender. In north half of lot 16, block 85, McCampbell subdivision, 4 miles west of Aransas Pass.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 29	30.33	May 16	30.69	Sept.12	33.39
Feb. 27	31.08	May 31	30.80		

80. Lewis Caldwell. In south half of lot 1, block 83, McCampbell subdivision, west part of Ingleside, 3.25 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 27, 17.58, May 16, 16.06; May 31, 15.98; Sept. 12, 17.56.

85. W. H. Bryan. In center of lot 9, block 82, McCampbell subdivision, 3.25 miles west of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 28, 17.17; May 16, 19.04; May 31, 17.99; Sept. 11, 19.17.

86. T. H. Bennight. In west corner of lot 12, block 82, McCampbell subdivision, 3.25 miles west of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 28, 19.00; May 16, 19.54; May 31, 19.27; Sept. 11, 19.85.

107. L. S. Lane. Center lot 14, block 1, McCampbell subdivision, 2.5 miles northwest of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 27, 7.08; May 16, 4.97; May 31, 4.54; Sept. 12, 9.87.

119. R. E. Farley. Center of lot 16, block 5, McCampbell subdivision, 2.5 miles northwest of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 28, 16.00; May 17, 10.30; Sept. 12, 13.47.

129. B. A. Linderman. Center of lot 7, block 353, McCampbell subdivision, 0.5 mile northwest of Aransas Pass. Water levels, in feet below measuring point, 1941: May 17, 11.03; May 30, 10.60; Sept. 12, 14.45.

140. Bruce Hannah. NW cor. lot 11, block E, Burton and Danforth subdivision, 3 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 27, 21.33; May 16, 19.98; May 31, 19.38.

144. Fred McMullen. In lot 16, block F, McCampbell subdivision, 3.25 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1941: Feb. 27, 21.87; May 16, 22.40; May 31, 22.34.

Shelby County

No measurements made in Shelby County in 1941.

Sherman County

No measurements made in Sherman County in 1941.

Smith County

No measurements made in Smith County in 1941.

Swisher County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

2. I. Irlbeck. Three miles south of Happy. Water levels, in feet below measuring point, 1941: Mar. 12, 78.57; Dec. 22, 78.48.

3A. W. E. Williamson. One mile east of Happy. Water levels, in feet below measuring point, 1941: Mar. 12, 100.09; Dec. 22, 100.16.

13. No measurements made in 1941.

16. C. M. Brant. Eight miles south of Happy.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 10	62.32	May 31	62.32	Dec. 22	61.20
Mar. 12	62.44	July 25	61.72		

18. H. C. George. Six and one-half miles south of Happy. Water levels, in feet below measuring point, 1941: Mar. 12, 77.67; Dec. 22, 77.35.

36. Foster Clouse. NW¼SE¼ sec. 2, blk. W1, 4.5 miles northwest of Tulia. Water level, in feet below measuring point, 1941: Mar. 12, 60.34.

38. No measurements made in 1941.

49. No measurements made in 1941.

50. One-half block north and one-half block east of Tulia High School. Water level, in feet below measuring point, 1941: Mar. 18, 62.69.

254. Charles Inman. Eight miles east of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 40.73; Mar. 10, 40.86; July 25, 40.78; Dec. 22, 39.96.

255. Charles Inman. Seven and one-half miles east of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 46.32; Mar. 10, 46.31; July 25, 45.86; Dec. 22, 45.01.

258. A. G. Hinn. Eight miles east of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 54.97; July 25, 54.81; Dec. 22, 54.76.

301. W. T. Adams. One mile southwest of Tulia. Water levels, in feet below measuring point, 1941: Mar. 12, 33.46; May 31, 32.65; July 25, 30.83; Dec. 22, 30.02.

302. J. D. Vaughn. One and one-half miles southwest of Tulia. Water levels, in feet below measuring point, 1941: Mar. 12, 69.71; Dec. 22, 68.10.

305. J. L. Cantrell. One and three-fourths miles southeast of Tulia. Water levels, in feet below measuring point, 1941: Mar. 12, 38.44; Dec. 22, 37.66.

323. J. L. Guest. Six and one-half miles south of Tulia. Water levels, in feet below measuring point, 1941: Jan. 16, 68.02; Mar. 10, 67.97; July 26, 67.87; Dec. 22, 68.25.

Swisher County--Continued.

332. W. F. Kerr. Four miles north of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 72.23; Mar. 10, 69.22; Dec. 22, 68.32.

352. John Elliott. Northeast of Santa Fe depot in Kress.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 16	62.36	May 31	62.45	Dec. 22	61.44
Mar. 10	62.40	July 25	62.06		

354. V. A. Beck. West edge of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 63.14; Mar. 10, 63.24; July 25, 63.34; Dec. 22, 62.80.

359. E. E. Formway. Two and three-fourths miles west of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 78.30; Mar. 10, 78.15; Dec. 22, 77.94.

362. G. T. Hughes. Three and one-half miles southwest of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 72.83; Mar. 10, 71.90; Dec. 22, 71.31.

368. Texas Land and Development Company. Two and three-fourths miles south of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 78.00; Mar. 10, 77.93; July 25, 78.69; Dec. 22, 78.14.

370. Texas Land and Development Company. Two and three-fourths miles south of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 75.27; Mar. 10, 75.28; July 25, 76.21; Dec. 22, 76.03.

380. Joe Bontke. Five miles east of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 55.60; Mar. 10, 55.71; July 25, 54.72.

383. Texas Land and Development Company. Four and one-half miles southeast of Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 75.65; Mar. 10, 75.21; July 25, 77.25; Dec. 22, 75.15.

385. Texas Land and Development Company, NW¼NW¼ sec. 53, blk. M14, 5.5 miles southeast from Kress. Water levels, in feet below measuring point, 1941: Jan. 16, 75.77; Mar. 10, 75.41.

427. H. F. Reynolds. Six and one-half miles west of Kress. Water levels, in feet below measuring point, 1941: Jan. 17, 87.19; Mar. 10, 87.23; Dec. 22, 87.15.

429. Reed. Five and one-half miles west of Kress. Water levels, in feet below measuring point, 1941: Jan. 17, 96.34; Mar. 10, 96.06; Dec. 22, 96.54.

Terry County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

2. No measurements made in 1941.

7a. L. Hulse. NW¼SW¼ sec. 143, blk. T, D & W R.R. Co., 0.7 mile east of Lahey Post Office and 0.8 mile south. Water level, in feet below measuring point, 1941: Dec. 15, 95.54.

9. Measurements discontinued.

14. No measurements made in 1941.

16. Challis Public School. SE¼SE¼ sec. 64, blk. 4X, 5.35 miles southwest of railroad depot at Meadow. Water level, in feet below measuring point, 1941: Dec. 15, 92.40.

17a. No measurements made in 1941.

19. Measurements discontinued.

Terry County--Continued.

21la. NW¼NW¼NW¼ sec. 18, blk. 4X, 0.15 mile southeast of dry sink, 100 yds. west of north-south county road, which is about 0.4 mile west of U. S. Highway 62, 1 mile north of Meadow. Water level, in feet below measuring point, 1941: Dec. 15, 66.20.

Travis County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

261. H. C. Warren. Thirteen miles north of the State Capitol on old Austin-Round Rock Highway. Used drilled well, diameter 6 inches, depth 270 feet. Measuring point, top of iron pipe clamp 1 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: Oct. 4, 1940, 226.19; July 24, 1941, 199.24; Nov. 20, 217.39.

266. J. D. Dillingham. One and nine-tenths miles east of McNeal, 11.75 miles north of the State Capitol. Used drilled well, diameter 5 inches, depth 276 feet. Measuring point, top of 3/8-inch steel place, 0.9 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: Oct. 11, 1940, 241.91; July 24, 1941, 138.44; Nov. 20, 173.86.

283. E. H. Gault. Nine miles north of State Capitol. Used drilled well, diameter 5 inches, depth 304 feet. Measuring point, top of casing, 0.9 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: Nov. 14, 1939, 191.30; July 24, 1941, 77.43; Nov. 24, 153.78.

284. Robinson Bros. One-half mile west of Summit School. Eight and one-half miles north of State Capitol. Used drilled well, diameter 4½ inches, depth about 400 feet. Measuring point, top of steel plate, 0.9 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: Oct. 14, 1940, 193.66; July 24, 1941, 117.61; Nov. 24, 176.21.

322. John Teagle. Five and one-half miles northeast of State Capitol. Unused drilled well, diameter 6 inches, depth 484 feet. Measuring point, top of casing, 0.3 foot above land surface. Water levels, in feet below measuring point: Feb. 4, 1940, 174.90; July 24, 1941, 113.88; Nov. 20, 129.94.

323. Fred Parsons. Five and three-fourths miles northeast of the State Capitol. Used drilled well, diameter 6 inches, depth 400 feet. Measuring point, top of iron pipe clamp, 0.6 foot above land surface. Water levels, in feet below measuring point: Oct. 17, 1940, 94.40; July 24, 1941, 63.57; Nov. 20, 81.60.

327. Walling Estate. Four and one-half miles northeast of State Capitol. Used drilled well, diameter 5 inches, depth 442 feet. Measuring point, top of casing, 0.9 foot above land surface. Water levels, in feet below measuring point: Oct. 17, 1940, 182.69; July 24, 1941, 122.52; Nov. 20, 135.38.

328. Walling Estate. One hundred feet south of well 327. Used dug well, diameter 35 to 96 inches, depth 37 feet. Measuring point, top of brick curb, 3½ feet above land surface. Water levels, in feet below measuring point: Oct. 17, 1940, 20.50; July 24, 1941, 7.49; Nov. 20, 21.21.

502. H. S. Lawson heir. Six and one-half miles south of Austin.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	3.67	Feb. 26	1.62	May 22	0.91	Nov. 17	8.46
30	3.66	Mar. 28	0.51	Aug. 8	3.77		

Travis County--Continued.

504. R. B. Gault. Ten and four-tenths miles south of Austin.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	23.10	Feb. 16	23.13	May 22	23.24	Nov. 17	23.13
30	23.15	Mar. 28	23.10	Aug. 8	23.15		

508. Barge Renoc. Eight and three-tenths miles southwest of State Capitol. Water levels, in feet below measuring point, 1941: Jan. 31, 217.70; Mar. 27, 219.90; Aug. 6, 226.30; Nov. 20, 230.59.

509. Erlene Patton. Nine and four-tenths miles west of the State Capitol.

Water level, in feet below measuring point, 1941

Jan. 2	38.12	Feb. 26	38.04	May 29	38.42	Nov. 19	41.50
30	38.71	Mar. 27	37.89	Aug. 6	38.82		

516. No measurements made in 1941.

519. No measurements made in 1941.

527. Sarah Moore. One hundred yards south of Cedar Valley post office.

Water level, in feet below measuring point, 1941

Jan. 2	6.86	Feb. 26	7.14	May 29	8.49	Nov. 19	10.89
30	8.21	Mar. 27	6.27	Aug. 6	9.43		

616. J. R. Moore. Fourteen and six-tenths miles west of the State Capitol.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 30	137.19	May 29	133.70	Nov. 19	139.37
Mar. 27	129.10	Aug. 6	151.50		

618. Homer Heep. Fifty feet east of U. S. Highway 81, 1 mile north of Hays County line.

Water level, in feet below measuring point, 1941

Jan. 30	14.80	Mar. 28	10.15	Aug. 8	16.46
Feb. 26	12.79	May 22	10.42	Nov. 18	24.22

621. Mrs. L. L. Hart. One-half mile east of Oak Hill. Water level, in feet below measuring point, 1941: Nov. 20, 227.40.

Uvalde County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

H-2-4. J. H. Desmuke. Fifty yards north of white house, 0.5 mile west of Leakey-Uvalde road, 13.7 miles north of Uvalde Courthouse. Water levels, in feet below measuring point, 1941: Jan. 4, 150.49; May 28, 133.82; Aug. 11, 127.57; Nov. 14, 121.92.

H-2-5. Mrs. W. E. Fitzgerald. Seventy-five feet north of house on hillside, 0.4 mile west of intersection of U. S. Highway 83 and State Highway 127, 17.8 miles north of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 22, 55.38; May 28, 42.20; Aug. 11, 53.20; Nov. 14, 48.87.

H-2-8. W. O. Dubose. Thirty feet east of concrete tank, 75 yards southwest of house, 2 miles east of old U. S. Highway 83, 12.5 miles north of Uvalde County Courthouse. Water level, in feet below measuring point, 1941: Jan. 22, 201.97.

H-4-6. Briscoe, Fenley & Spangler. East side of north-south county road at jog in road, east edge of earthen reservoir, 4.5 miles west-northwest of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 23, 73.16; May 26, 67.73; Aug. 11, 65.14; Nov. 12, 64.46.

Uvalde County--Continued.

H-4-28. J. R. Ingrum. One hundred and fifty yards north of west end of Nueces River bridge on U. S. Highway 90, 7.4 miles west of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 21, 23.94; May 28, 13.59; Aug. 12, 17.12; Nov. 13, 15.08.

H-4-34. John Rosenow. On hilltop, 12.4 miles west of Uvalde County Courthouse on U. S. Highway 90. Water levels, in feet below measuring point, 1941: Jan. 21, 169.50; May 28, 161.93; Aug. 12, 157.27; Nov. 13, 158.28.

H-4-35. John Rosenow. Twelve and four-tenths miles west of Uvalde County Courthouse on U. S. Highway 90. Water levels, in feet below measuring point, 1941: Jan. 21, 72.89; May 28, 62.39; Nov. 13, 58.87.

H-5- 1. City of Uvalde. Two blocks south of Uvalde County Courthouse. Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 23	37.00	May 8	33.23	Nov. 14	29.89
Mar. 24	36.83	Aug. 13	30.96		

H-5-22. Jack Dean. Two miles north of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 23, 65.69; May 26, 60.93; Aug. 11, 58.28; Nov. 12, 57.02.

H-5-26. George Kennedy. Seven and two-tenths miles north-northeast of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 22, 168.84; May 28, 157.83; Aug. 11, 156.79; Nov. 12, 153.80.

H-5-39. Wm. Galloway. Two and one-half miles east-northeast of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 23, 85.08; May 26, 80.21; Aug. 13, 77.18; Nov. 12, 75.79.

H-5-51. O. T. Caldwell. Two and one-half miles south-southeast of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 23, 43.24; May 26, 41.38; Aug. 11, 39.74; Nov. 12, 39.21.

H-6- 1. Ashby and Chinn. Nine and two-tenths miles east-northeast of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 20, 96.86; May 26, 84.04; Nov. 12, 84.56.

H-6- 8. K. K. Woodley. One and one-half miles east of Knippa. Water levels, in feet below measuring point, 1941: Jan. 20, 72.90; May 26, 71.45; Aug. 13, 71.42; Nov. 12, 70.56.

H-6-10. Herbert Stephens. Two and nine-tenths miles west of Sabinal. Water levels, in feet below measuring point, 1941: Jan. 23, 68.87; May 26, 67.63; Aug. 13, 66.77; Nov. 12, 66.30.

H-6-16. Illinois Pipe Line Company. One and one-half miles east-northeast of Knippa. Water levels, in feet below measuring point, 1941: Jan. 23, 177.75; May 26, 164.40; Aug. 13, 153.76; Nov. 12, 146.74.

XU-6. No measurements made in 1941.

XU-9. Frank Kirchgraber. Sixteen and one-half miles west of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 21, 57.10; May 28, 56.95; Aug. 12, 57.78; Nov. 13, 59.22.

XU-10. Texas & New Orleans Railroad Company. Eighteen and four-tenths miles west of Uvalde County Courthouse. Water levels, in feet below measuring point, 1941: Jan. 21, 43.10; May 28, 43.47; Aug. 12, 44.78; Nov. 13, 46.21.

Val Verde County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, and 909.

XV-1. B. S. Harrison. Forty feet south of white house and 30 feet east of second white house at end of private road, 0.6 miles south-southeast of bump gate located on U. S. Highway 90, 7.5 miles east of highway junction in Del Rio. Water levels, in feet below measuring point, 1941: Jan. 21, 39.47; May 27, 39.83; Aug. 12, 40.92; Nov. 13, 40.36.

XV-2. Otto Koog. West well of 2 wells, northwest side of large cement tank, 200 feet east of house, on west side of north-south road, 0.1 mile north of U. S. Highway 90 at a point 2.8 miles east of highway junction in Del Rio. Water level, in feet below measuring point, 1941: Aug. 13, 76.96.

XV-3. Patricio Confreras. Seventy-five feet north of small house and 20 feet south of second small house, 150 feet north of U. S. Highway 90, 1.5 miles east of highway junction in Del Rio. Water levels, in feet below measuring point, 1941: Jan. 21, 39.76; May 27, 39.15; Aug. 12, 39.12; Nov. 13, 39.00.

Waller County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

117. Mrs. H. L. Milam. Near railroad station at Prairie View.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	7.43	Feb. 21	2.81	May 27	17.60	July 30	14.73
17	1.73	26	2.21	June 10	14.75	Sept. 4	(a)
24	5.45	Mar. 26	2.19	20	10.00	Nov. 6	12.74
29	6.25	May 13	6.77	July 7	11.53	Dec. 17	6.33
Feb. 12	3.66						

128. H. and T. C. Railroad. At Prairie View station on Houston-Hempstead highway.

Water level, in feet below measuring point, 1941

Jan. 9	44.72	Feb. 12	43.65	May 13	42.98	July 7	42.22
17	44.30	21	44.02	27	42.70	30	42.24
24	44.28	26	43.81	June 10	42.48	Sept. 4	41.98
29	44.28	Mar. 26	43.40	20	42.46	Dec. 17	40.73

152. Myers. One and fifty-five hundredths miles east of Prairie View railroad station along old U. S. Highway 290.

Water level, in feet below measuring point, 1941

Jan. 9	1.85	Feb. 21	1.70	May 27	4.49	July 30	3.83
17	1.81	26	1.61	June 10	4.50	Sept. 4	7.69
24	2.31	Mar. 26	1.75	20	2.25	Nov. 6	2.36
29	2.50	May 13	2.98	July 7	3.64	Dec. 17	2.26
Feb. 12	2.18						

154. W. D. Weaver. Eighty feet south of old U. S. Highway 290, 0.6 mile west of railroad station in Waller.

Water level, in feet below measuring point, 1941

Date	Water level	Date	Water level	Date	Water level
Jan. 28	12.69	May 22	11.97	Sept. 4	12.50
Mar. 1	12.09	July 7	11.30	Nov. 6	11.68
Apr. 4	11.88				

223. T. B. Tucker. Six and three-fourths miles northwest of Katy. Water levels, in feet below measuring point, 1941: Jan. 22, 59.39; Mar. 15, 58.62; May 21, 61.20; Oct. 28, 60.86.

a Dry.

Waller County--Continued.

235. John Cope. Two miles west of Katy. Water levels, in feet below measuring point, 1941: Jan. 23, 63.22; Mar. 15, 62.96; May 16, 62.42; Oct. 28, 63.78.

247. T. B. Tucker. Six and one-half miles northwest of Katy. Water levels, in feet below measuring point, 1941: Mar. 15, 60.01; Oct. 28, 63.00.

Ward County

1. A. T. Knapp. S½ sec. 38, blk. 1, W. & N. W. R.R. survey, 13 miles northwest of Barstow, on west side of Barstow-Mentone road. Unused drilled well, diameter 6 inches, depth 105 feet. Equipped with windmill. Measuring point, top of steel casing collar, 1.0 foot above land surface.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Feb. 5, 1940	94.50	Nov. 12, 1940	94.19	May 13, 1941	94.24
Sept.14	94.04	Mar. 25, 1941	94.26	Aug. 11	93.56
Oct. 8	94.14				

12. Monroe Estate (Plains Production Company). W½W½W¼ sec. 3, blk. 1, W. & N. W. R.R. survey, 8.25 miles north of Barstow, about 250 feet west of Plains Production Company, No. 1 Monroe estate, oil well. Unused drilled well, diameter 6-5/8 inches, depth 87 feet. Measuring point, top of steel casing collar, 0.5 foot above land surface.

Water level, in feet below measuring point, 1939-41

Nov. 6, 1939	57.90	Mar. 25, 1941	57.68	Aug. 11, 1941	57.49
Dec. 5, 1940	57.78	May 13	57.54		

16. Monroe Estate. E½E¼ sec. 3, blk. 1, W. & N. W. R.R. survey, 7.75 miles north of Barstow, about 100 feet south of White-McDowel oil well derrick. Unused drilled well, diameter 5-3/16 inches, depth 90 feet. Measuring point, top of steel casing. 0.2 foot above land surface.

Water level, in feet below measuring point, 1939-41

Oct. 25, 1939	47.25	Mar. 25, 1941	47.08	Aug. 11, 1941	46.98
Dec. 5, 1940	47.26	May 14	47.00		

133. John McNeff. In Pyote, 4 blocks north of railroad station, on east side of State Highway 115. Used until April 1940, drilled well, diameter 5 inches, depth 106 feet. Measuring point, top of steel casing, 0.2 foot above land surface and 2,624.10 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

Feb. 23, 1940	77.94	Aug. 9, 1940	74.44	May 15, 1941	74.11
Apr. 16	75.40	Dec. 5	74.13	Aug. 11	73.84
June 20	74.92				

141. Texas & Pacific Railway Company. Nine and one-half miles east of Barstow, on north side of railroad. Unused dug well, diameter 10 feet, depth 82 feet. Measuring point, top edge of 3 by 12 inch timber opposite rail spike, 0.5 foot below land surface and 2,638.50 feet above mean sea level. Water level affected by water in nearby sink.

Water level, in feet below measuring point, 1939-41

Sept.26, 1939	63.44	Aug. 9, 1940	61.10	Apr. 17, 1941	61.18
Mar. 11, 1940	66.93	Sept.10	62.31	May 15	58.20
Apr. 16	61.80	24	63.88	June 16	56.07
May 15	60.70	Oct. 8	64.31	July 31	58.41
June 14	62.64	Feb. 25, 1941	55.83	Aug. 10	59.18
July 12	57.92	Mar. 26	60.21	Dec. 27	58.48

Ward County--Continued.

148. T. N. Carr et al. NW¼NE¼ sec. 125, blk. 34, H. & T. C. R.R. survey, 9.75 miles east of Barstow, 7.5 miles southwest of Pyote, 2.75 miles south of Quito railroad water station. Abandoned drilled oil test, plugged below fresh water sand, diameter 20 inches. Measuring point, top edge of 2-inch board in bottom of mud trough, 2.5 feet above land surface. Water level affected by storm water in nearby sink.

Water level, in feet below measuring point, 1940-41

Date	Water level	Date	Water level	Date	Water level
Oct. 10, 1940	73.50	May 15, 1941	57.50	Dec. 27, 1941	77.32
Mar. 26, 1941	56.07	Aug. 11	63.60		

159. J. Key. Three and one-fourth miles east of Barstow, on south side of U. S. Highway 80. Seldom used drilled well, diameter 10 inches, depth 107 feet. Measuring point, top of steel casing, 1.0 foot above land surface and 2,655.85 feet above mean sea level.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Sept.26, 1939	97.01	June 14, 1940	97.10	May 15, 1941	96.60
Jan. 9, 1940	96.98	Aug. 9	97.42	Dec. 27	95.28
Mar. 11	96.97	Mar. 26, 1941	96.81		

162-A. Test well 319. H. J. Wade. SE cor. water tract 5, sec. 186, blk. 34, H. & T. C. R.R. survey, 1.75 miles north of Barstow, on east side of county road. Unused drilled test well, diameter 6 inches, depth 65 feet. Measuring point, top of recorder platform, which is 1.4 feet above steel casing collar, 2.6 feet above land surface, and 2,574.5 feet above mean sea level. Water level is affected by irrigation of surrounding land. Water-stage recorder installed July 23, 1940.

Water level, in feet below measuring point, 1940

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	9.71	Aug. 20	9.76	Sept.24	10.34	Oct. 29	8.47
Mar. 8	10.20	21	9.57	25	10.40	30	8.49
Apr. 15	9.72	22	9.32	26	10.45	31	8.53
24	8.90	23	9.20	27	10.49	Nov. 1	8.56
May 13	9.10	24	9.15	28	10.53	2	8.58
June 13	9.28	25	9.08	29	10.58	3	8.60
July 11	9.20	26	8.95	30	10.62	4	8.63
23	9.43	27	8.84	Oct. 1	10.66	5	8.68
24	9.52	28	8.80	2	10.70	6	8.73
25	9.56	29	8.76	3	10.74	7	8.77
26	9.57	30	8.81	4	10.79	8	8.79
27	9.51	31	8.89	5	10.83	9	8.80
28	9.29	Sept. 1	8.98	6	10.87	10	8.82
29	9.00	2	9.07	7	10.91	11	8.86
30	8.92	3	9.12	8	10.95	12	8.90
31	8.98	4	9.22	9	10.98	13	8.95
Aug. 1	9.08	5	9.31	10	10.98	14	8.98
2	9.19	6	9.39	11	10.90	15	9.01
3	9.30	7	9.39	12	10.60	16	9.04
4	9.40	8	9.31	13	10.16	17	9.07
5	9.51	9	9.30	14	9.84	18	9.10
6	9.61	10	9.31	15	9.00	19	9.13
7	9.69	11	9.36	16	8.45	20	9.16
8	9.75	12	9.44	17	8.22	21	9.19
9	9.81	13	9.52	18	8.10	22	9.22
10	9.87	14	9.61	19	8.04	23	9.25
11	9.93	15	9.70	20	8.05	24	9.28
12	9.99	16	9.79	21	8.10	25	9.28
13	10.01	17	9.88	22	8.14	26	9.30
14	10.01	18	9.96	23	8.20	27	9.33
15	9.96	19	10.04	24	8.24	28	9.35
16	9.89	20	10.12	25	8.30	29	9.37
17	9.84	21	10.19	26	8.35	30	9.39
18	9.79	22	10.24	27	8.43	Dec. 1	9.42
19	9.77	23	10.29	28	8.45	2	9.45

Ward County--Continued.

162-A. Test well 319.--Continued.

Water level, in feet below measuring point, 1940

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 3	9.48	Dec. 11	9.67	Dec. 18	9.83	Dec. 25	9.95
4	9.50	12	9.69	19	9.85	26	9.97
5	9.53	13	9.72	20	9.88	27	9.99
6	9.55	14	9.74	21	9.89	28	10.01
7	9.59	15	9.77	22	9.91	29	10.02
8	9.61	16	9.79	23	9.92	30	10.04
9	9.63	17	9.81	24	9.94	31	10.07
10	9.65						

162-A. Test well 319.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.10	10.60	10.79	11.14	9.78	8.34	8.47	6.97	6.40	7.82	6.97	7.96
2	10.12	10.61	10.79	11.15	9.76	8.35	8.36	7.04	6.44	7.86	7.04	7.94
3	10.14	10.62	10.80	11.16	9.75	8.37	8.26	7.12	6.48	7.89	7.12	7.92
4	10.16	10.62	10.81	11.18	9.74	8.38	7.97	7.17	6.48	7.93	7.18	7.91
5	10.17	10.63	10.81	11.19	9.71	8.38	7.60	7.20	6.46	7.97	7.24	7.95
6	10.19	10.62	10.83	11.20	9.69	8.38	7.14	7.09	6.55	8.03	7.30	7.99
7	10.21	10.63	10.84	11.22	9.66	8.35	6.88	6.93	6.67	8.08	7.38	8.01
8	10.24	10.64	10.86	11.24	9.65	8.34	6.72	7.01	6.80	8.13	7.43	8.04
9	10.26	10.64	10.86	11.25	9.63	8.33	6.55	7.12	6.90	8.19	7.48	8.04
10	10.27	10.64	10.87	11.25	9.63	8.36	6.41	7.20	6.99	8.25	7.51	8.03
11	10.28	10.65	10.88	11.20	9.63	8.41	6.31	7.26	7.05	8.30	7.53	7.97
12	10.29	10.65	10.90	11.03	9.63	8.46	6.23	7.33	7.09	8.33	7.56	7.85
13	10.30	10.65	10.91	10.82	9.64	8.51	6.18	7.40	7.14	8.37	7.59	7.68
14	10.31	10.66	10.92	10.67	9.65	8.56	6.19	7.46	7.20	8.41	7.64	7.51
15	10.33	10.67	10.93	10.55	9.68	8.58	6.23	7.52	7.26	8.45	7.67	7.42
16	10.35	10.68	10.95	10.50	9.71	8.59	6.27	7.58	7.33	8.47	7.70	7.41
17	10.37	10.69	10.96	10.48	9.72	8.60	6.30	7.65	7.40	8.49	7.72	7.43
18	10.39	10.70	10.98	10.48	9.70	8.61	6.32	7.71	7.44	8.50	7.75	7.47
19	10.41	10.71	10.99	10.51	9.43	8.59	6.32	7.79	7.47	8.48	7.79	7.52
20	10.42	10.72	11.00	10.56	9.26	8.54	6.03	7.83	7.50	8.38	7.82	7.57
21	10.43	10.73	11.01	10.61	9.23	8.58	5.76	7.83	7.55	8.30	7.85	7.60
22	10.45	10.74	11.02	10.63	9.23	8.61	5.81	7.72	7.60	8.19	7.88	7.64
23	10.47	10.75	11.03	10.63	9.24	8.64	5.96	7.25	7.61	8.00	7.92	7.69
24	10.49	10.75	11.05	10.60	9.24	8.69	6.09	6.84	7.60	7.82	7.94	7.72
25	10.50	10.76	11.06	10.44	9.22	8.75	6.20	6.47	7.58	7.62	7.96	7.78
26	10.51	10.77	11.08	10.27	9.12	8.78	6.34	6.26	7.61	7.03	7.97	7.85
27	10.54	10.78	11.09	10.07	8.87	8.78	6.50	6.17	7.65	6.74	7.99	7.90
28	10.56	10.79	11.10	9.94	8.64	8.75	6.61	6.19	7.70	6.70	7.99	7.94
29	10.57	.....	11.11	9.86	8.50	8.67	6.73	6.24	7.75	6.75	7.99	7.97
30	10.58	.....	11.12	9.82	8.41	8.56	6.80	6.30	7.80	6.83	7.97	8.01
31	10.59	.....	11.13	....	8.36	....	6.89	6.35	....	6.92	....	8.03

168. Monroe Estate. N½W½ sec. 206, blk. 34, H. & T. C. R.R. survey, 3.75 miles northwest of Barstow, at abandoned oil test, 250 feet southeast of irrigation canal. Seldom used dug well, diameter 48 inches, depth 23 feet. Measuring point, top of 4 by 4 inch timber frame of well curb, 0.5 foot above land surface.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Oct. 23, 1939	20.91	Sept.10, 1940	22.28	Mar. 25, 1941	21.76
Jan. 8, 1940	23.21	Oct. 8	22.72	May 14	20.72
Aug. 9	22.41	Dec. 5	21.93	Aug. 11	18.86

Ward County--Continued.

169. W. A. Sewell. N¼E¼ sec. 205, blk. 34, H. & T. C. R.R. survey, 3.25 miles northwest of Barstow. Used dug well, diameter 36 inches, depth 10.5 feet. Measuring point, top of north corner post in well curb, 1.5 feet above land surface.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Aug. 29, 1939	7.54	Mar. 8, 1940	11.31	Oct. 8, 1940	12.02
Sept.20	8.52	May 13	10.68	Dec. 5	11.61
Oct. 20	9.01	June 13	11.57	Mar. 25, 1941	12.82
Nov. 8	10.12	July 11	12.28	May 14	10.08
Dec. 9	10.37	Aug. 5	11.06	Aug. 11	8.03
Jan. 8, 1940	10.80	Sept.10	10.94	Oct. 2	9.20
Feb. 8	11.10				

170. C. S. Majors. W¼S¼ sec. 229, blk. 34, H. & T. C. R.R. survey, 4.75 miles northwest of Barstow, on north side of Cedarvale road. Used drilled well, diameter 6 inches, depth 115 feet. Equipped with windmill. Measuring point, top of steel casing collar, 0.8 foot above land surface and 2,599.10 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1940-41

Feb. 5, 1940	8.84	Aug. 5, 1940	9.92	Mar. 26, 1941	10.96
Apr. 10	8.31	Oct. 8	10.04	May 14	9.21
May 14	8.10	Dec. 5	9.70	Aug. 11	7.80
June 13	9.56				

173. W. H. Butler. W¼W¼S¼ sec. 230, blk. 34, H. & T. C. R.R. survey, 6 miles northwest of Barstow, 100 feet north of Cedarvale road. Unused drilled well, diameter 26 inches at surface, depth 78 feet. Measuring point, top of steel casing, 0.5 foot above land surface, and 2,598.80 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Sept.19, 1939	4.60	Apr. 23, 1940	6.03	Dec. 5, 1940	8.20
Oct. 26	5.52	May 13	6.48	Mar. 25, 1941	9.63
Nov. 8	5.97	June 13	7.58	May 14	7.02
Dec. 9	6.26	26	7.34	Aug. 11	4.14
Jan. 8, 1940	6.63	July 12	7.65	Sept. 8	4.39
Feb. 8	7.16	Aug. 5	8.12	Oct. 2	5.19
Mar. 8	7.56	Sept.10	7.97	Nov. 22	5.56
Apr. 10	6.06	Oct. 8	8.33		

176. J. M. Foreman. Seven miles northwest of Barstow, 0.8 mile north of Cedarvale road, 0.3 mile west of the southeast corner of sec. 1, blk. No. 1. Unused dug well, diameter 36 inches, depth 9 feet. Measuring point, top of horizontal 2 by 4 inch cover board, at land surface, and 2,604.10 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Aug. 29, 1939	6.67	Feb. 8, 1940	8.50	Aug. 5, 1940	8.62
Sept.18	7.36	Mar. 8	8.71	Sept.10	8.50
Oct. 19	7.60	Apr. 10	8.90	Oct. 8	(a)
Nov. 8	7.63	23	8.24	Dec. 5	(a)
Dec. 9	7.88	May 13	8.06	Mar. 25, 1941	(a)
Jan. 8, 1940	8.38	June 13	8.57	Aug. 11	4.27

a Dry.

Ward County--Continued.

181. Monroe Estate. Near center of west line of north ½ sec. 55, blk. 33, H. & T. C. R.R. survey, 7.5 miles northwest of Barstow. Used drilled well, diameter 17 inches, depth 59 feet. Measuring point, top of steel casing collar, 0.8 foot below land surface and 2,610.40 feet above mean sea level. Well was unused until March 1941. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Aug. 29, 1939	8.21	Feb. 8, 1940	13.38	June 13, 1940	12.59
Sept.18	7.16	Mar. 8	15.02	Aug. 5	11.90
Oct. 19	5.67	Apr. 10	14.83	Sept.10	12.53
Nov. 8	7.72	23	11.31	Oct. 8	12.96
Dec. 9	9.10	May 13	11.44	Dec. 5	13.98
Jan. 8, 1940	11.12				

182. C. C. Brown. SW¼NW¼ sec. 55, blk. 33, H. & T. C. R.R. survey, 7.25 miles northwest of Barstow. Unused drilled well, diameter 4½ inches, depth 54 feet. Measuring point, top of steel casing, 0.5 foot above land surface and 2,610.51 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Sept.19, 1939	8.40	Aug. 11, 1941	8.78	Sept.17, 1941	8.96
Oct. 19	7.42	Sept. 5	8.34	19	9.02
Jan. 8, 1940	12.21	9	8.58	22	9.19
Apr. 30	11.15	10	8.57	24	9.22
Mar. 26, 1941	18.20	11	8.65	25	9.27
May 14	13.50	16	8.88	Oct. 2	9.50

188. A. H. Gillespie. W½ water tract 2, sec. 50, blk. 33, H. & T. C. R.R. survey, 5 miles northwest of Barstow. Unused, dug and drilled well; dug, diameter 60 inches to 10 feet; drilled, diameter 12 inches to 103 feet. Measuring point, top of beam of well curb, at land surface and 2,589.0 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1930-32, 1939-41

Dec. 17, 1930	4.11	Feb. 2, 1932	5.12	Mar. 8, 1940	7.18
Mar. 6, 1931	3.04	Mar. 1	3.73	Apr. 10	6.46
Apr. 6	2.80	Apr. 1	3.36	May 14	6.22
May 6	1.25	May 2	2.91	June 13	6.72
June 2	2.90	June 1	2.22	Aug. 5	6.86
July 2	3.27	Sept.19, 1939	4.47	Sept.10	7.38
Aug. 6	5.03	Oct. 19	5.20	Oct. 8	7.76
Sept. 3	4.76	Nov. 8	5.64	Dec. 5	7.73
Oct. 1	4.78	Dec. 9	6.02	Mar. 25, 1941	8.70
27	3.99	Jan. 8, 1940	6.36	May 13	5.97
Dec. 31	4.45	Feb. 8	6.74	Aug. 11	4.24

191. A. H. Gillespie. S½N½ W. B. Summers survey (Homestead B), 4 miles northwest of Barstow. Unused drilled well, diameter 14 inches, depth 80 feet. Measuring point through Mar. 8, 1940, top of wood beam of well curb, 1.0 foot above land surface. Measuring point since Mar. 8, 1940, top of steel casing, 1.0 foot above land surface, and 2,588.40 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1930-32, 1939-41

Dec. 17, 1930	6.97	Feb. 2, 1932	7.19	Feb. 8, 1940	9.51
Mar. 6, 1931	4.47	Mar. 1	6.20	Mar. 8	10.11
Apr. 6	4.61	Apr. 1	5.98	Apr. 10	9.33
May 6	2.91	May 2	4.21	May 4	10.80
June 2	4.20	June 1	3.02	Sept. 7	10.70
July 2	3.95	Sept.19, 1939	7.0	Oct. 8	11.17
Aug. 6	6.14	Oct. 20	7.48	Dec. 5	10.87
Sept. 3	4.89	Nov. 8	8.0	Mar. 25, 1941	11.71
Oct. 1	4.04	Dec. 9	8.21	May 13	9.38
27	2.84	Jan. 8, 1940	8.60	Aug. 11	6.10
Dec. 31	4.98				

Ward County--Continued.

192. Ward County Water Improvement District No. 1. W½N½ sec. 204, blk. 34, H. & T. C. R.R. survey, 3.5 miles northwest of Barstow. Unused drilled well, diameter 20 inches, depth 58 feet. Measuring point, top of steel casing in concrete, 2.0 feet above land surface. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1930-31, 1939-41

Date	Water level	Date	Water level	Date	Water level
Dec. 17, 1930	6.52	Aug. 29, 1939	6.23	Mar. 8, 1940	9.67
Mar. 6, 1931	5.23	Sept.19	5.82	May 14	8.62
Apr. 6	4.80	Oct. 20	6.20	June 13	8.97
May 6	3.30	Nov. 8	7.10	Dec. 5	10.04
June 2	5.53	Dec. 9	7.91	Mar. 25, 1941	11.68
July 2	5.87	Jan. 8, 1940	8.52	May 13	8.51
Aug. 5	7.15	Feb. 8	9.11	Aug. 11	5.90

193. Moule and Barker. SE¼ water tract 13, sec. 49, blk. 33, H. & T. C. R.R. survey, 4.5 miles west of Barstow. Used drilled well, diameter 6 inches, depth 48 feet. Equipped with windmill. Measuring point, top of steel casing, 0.5 foot above land surface.

Water level, in feet below measuring point, 1939-41

Aug. 31, 1939	8.41	Dec. 5, 1940	10.18	Aug. 11, 1941	7.06
June 13, 1940	9.76	Mar. 26, 1941	10.92	Nov. 7	3.23
Oct. 8	10.01	May 14	10.60		

195. Delmore Corporation. NW¼ water tract 7, sec. 47, blk. 33, H. & T. C. R.R. survey, 5 miles west of Barstow, 0.3 mile from Pecos River. Equipped with windmill. Unused drilled well, diameter 6 inches, depth 278 feet. Measuring point, top of steel casing, 1.5 feet below land surface, and 2,573.20 feet above mean sea level.

Water level, in feet above (+) or below measuring point, 1939-41

Aug. 31, 1939	0.84	Feb. 10, 1940	1.30	Aug. 1, 1940	1.62
Sept.20	.27	Mar. 8	1.50	Dec. 5	1.04
Oct. 20	.12	Apr. 10	1.51	Mar. 26, 1941	1.32
Nov. 8	.07	May 14	1.43	May 14	.61
Dec. 9	.04	June 13	1.50	Aug. 11	+.02
Jan. 8, 1940	.50				

195-a. Test well 135. SE cor. E. Theurer survey, 3.25 miles west of Barstow. Drilled well, diameter 8 inches to 23 feet and 4 inches to 31 feet. Measuring point, top edge of recorder platform, 3.10 feet above land surface, and 2,571.5 feet above mean sea level. Water-stage recorder installed July 15, 1940.

Water level, in feet below measuring point, 1940

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	6.69	6.90	7.16	5.64	6.01
2	....	6.73	6.85	7.17	5.66	6.02
3	....	6.77	6.86	7.18	5.67	6.04
4	....	6.81	6.88	7.20	5.71	6.02
5	....	6.85	6.90	7.21	5.77	6.05
6	....	6.85	6.95	7.23	5.78	6.03
7	....	6.36	6.99	7.24	5.79	6.06
8	....	6.30	7.01	7.24	5.64	6.06
9	....	6.38	7.02	7.20	5.41	6.06
10	....	6.43	7.05	7.01	5.46	6.08
11	....	6.48	7.06	7.14	5.57	6.09
12	....	6.48	7.06	5.73	5.66	6.09
13	....	6.44	7.04	5.15	5.73	6.10
14	....	6.27	7.01	4.75	5.77	6.10
15	6.88	6.23	7.01	4.47	5.77	6.08
16	6.88	6.33	7.00	4.60	5.78	6.11
17	6.88	6.40	7.01	4.75	5.80	6.13
18	6.89	6.47	7.03	4.85	5.80	6.13
19	6.89	6.51	7.06	4.95	5.81	6.15
20	6.89	6.51	7.08	5.07	5.85	6.18

Ward County--Continued.

195-a. Test well 135.--Continued.

Water level, in feet below measuring point, 1940

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	6.91	6.53	7.10	5.13	5.85	6.19
22	6.92	6.56	7.10	5.21	5.87	6.18
23	6.94	6.60	7.08	5.27	5.90	6.18
24	6.94	6.66	7.11	5.32	5.90	6.18
25	6.94	6.69	7.15	5.38	5.89	6.18
26	6.93	6.72	7.16	5.41	5.91	6.23
27	6.93	6.77	7.15	5.44	5.96	6.24
28	6.90	6.82	7.14	5.50	5.96	6.23
29	6.78	6.85	7.16	5.53	5.94	6.24
30	6.65	6.89	7.16	5.54	5.94	6.24
31	6.65	6.90	....	5.60	....	6.26

195-a. Test well 135.--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.28	6.30	6.39	6.56	5.65	....	4.64	4.54	4.84
2	6.30	6.30	6.38	6.58	5.65	....	4.67	4.59	4.83
3	6.28	6.28	6.42	6.60	5.46	....	4.71	4.67	4.85
4	6.26	6.30	6.45	6.62	5.29	....	4.75	4.73	4.83
5	6.25	6.30	6.45	6.62	5.42	....	4.78	4.77	4.76
6	6.26	6.28	6.46	6.60	5.50	....	4.82	4.79	4.83
7	6.28	6.27	6.47	6.63	5.58	....	4.82	4.68	4.87
8	6.31	6.27	6.48	6.62	5.62	....	4.54	4.57	4.90
9	6.33	6.23	6.49	6.62	5.68	....	4.57	4.65	4.89
10	6.33	6.20	6.51	6.61	5.73	....	4.61	4.72	4.89
11	6.32	6.22	6.50	6.59	5.73	....	4.67	4.77	4.89
12	6.29	6.21	6.53	6.56	5.67	....	4.72	4.82	4.80
13	6.26	6.29	6.55	6.54	5.52	....	4.76	4.86	4.72
14	6.25	6.32	6.55	6.54	5.57	....	4.80	4.88	4.79
15	6.25	6.33	6.50	6.51	5.64	....	4.82	4.93	4.86
16	6.29	6.34	6.53	6.47	5.69	....	4.86	4.95	4.92
17	6.36	6.37	6.55	6.46	5.73	....	4.88	4.97	4.94
18	6.38	6.37	6.53	6.45	5.72	....	4.90	5.00	4.83
19	6.37	6.38	6.50	6.46	5.24	....	4.91	5.03	4.58
20	6.36	6.42	6.47	6.47	5.36	....	4.93	5.03	4.64
21	6.36	6.43	6.48	6.46	5.40	....	4.94	5.03	4.72
22	6.39	6.43	6.49	6.46	5.44	....	4.96	5.00	4.75
23	6.40	6.42	6.49	6.43	5.39	4.54	4.96	4.99	4.75
24	6.41	6.35	6.49	6.41	4.81	4.54	4.95	4.97	....
25	6.41	6.33	6.48	6.39	....	4.55	4.93	4.62	....
26	6.42	6.35	6.50	6.34	....	4.59	4.94	4.64	....
27	6.46	6.39	6.52	6.14	....	4.62	4.97	4.74	....
28	6.46	6.39	6.54	6.09	....	4.63	4.95	4.76	....
29	6.43	....	6.54	5.99	....	4.62	4.68	4.77	....
30	6.37	....	6.53	5.63	....	4.62	4.70	4.80	....
31	6.34	....	6.57	....	....	....	4.71	4.84	....

195-b. Test well 135-A. Located 50 feet northeast of test well 135. Drilled, diameter 8 inches, depth 13 feet. Measuring point, top edge of recorder platform, 4.0 feet above land surface. Water-stage recorder installed July 16, 1940.

Water level, in feet below measuring point, 1940

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	9.68	9.90	10.29	7.58	7.90
2	....	9.71	9.92	10.30	7.60	7.89
3	....	9.74	9.93	10.31	7.62	7.91
4	....	9.76	9.95	10.32	7.67	7.89
5	....	9.80	9.97	10.33	7.71	7.94
6	....	9.79	9.99	10.35	7.71	7.94
7	....	9.68	10.01	10.35	7.73	7.98
8	....	9.63	10.02	10.35	7.70	7.95

Ward County--Continued.

195-b. Test well 135-A.--Continued.

Water level, in feet below measuring point, 1940

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
9	....	9.62	10.03	10.36	7.37	7.95
10	....	9.64	10.05	10.36	7.24	7.99
11	....	9.65	10.06	10.30	7.35	7.99
12	....	9.62	10.07	8.85	7.52	8.00
13	....	9.54	10.08	8.00	7.56	8.01
14	....	9.48	10.10	7.32	7.58	8.02
15	....	9.50	10.11	6.80	7.61	7.98
16	9.25	9.55	10.12	6.79	7.64	8.01
17	9.26	9.60	10.14	6.87	7.66	8.01
18	9.30	9.62	10.17	6.93	7.67	8.01
19	9.33	9.63	10.16	7.00	7.71	8.03
20	9.36	9.64	10.18	7.04	7.73	8.05
21	9.40	9.66	10.18	7.09	7.73	8.05
22	9.42	9.69	10.19	7.15	7.75	8.04
23	9.46	9.73	10.20	7.20	7.80	8.05
24	9.50	9.76	10.21	7.25	7.80	8.05
25	9.53	9.78	10.23	7.29	7.78	8.07
26	9.57	9.81	10.23	7.32	7.80	8.11
27	9.60	9.84	10.24	7.37	7.83	8.11
28	9.61	9.86	10.25	7.42	7.82	8.12
29	9.62	9.89	10.27	7.45	7.83	8.12
30	9.63	9.91	10.28	7.50	7.87	8.12
31	9.65	9.91	....	7.55	....	8.13

195-b. Test well 135-A.--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.17	8.17	8.13	8.31	8.05	6.90	7.22	7.47	7.81	6.60	5.88	6.94
2	8.18	8.12	8.13	8.33	8.01	6.96	7.25	7.51	7.79	5.95	5.96	6.98
3	8.16	8.10	8.17	8.35	7.98	7.00	7.27	7.57	7.83	5.70	6.05	7.00
4	8.18	8.09	8.20	8.38	7.83	6.94	7.29	7.61	7.83	5.76	6.11	7.00
5	....	8.09	8.16	8.36	7.75	6.93	7.31	7.64	7.73	5.82	6.21	7.05
6	....	8.09	8.22	8.36	7.74	6.69	7.35	7.67	7.75	5.92	6.26	7.06
7	....	8.13	8.25	8.38	7.77	6.73	7.35	7.65	7.78	6.02	6.37	7.05
8	8.19	8.10	8.26	8.37	7.77	6.76	7.08	7.51	7.83	6.03	6.39	7.00
9	8.21	8.09	8.23	8.39	7.79	6.83	7.13	7.55	7.86	5.94	6.42	7.03
10	8.20	8.02	8.30	8.36	7.81	6.89	7.20	7.58	7.86	5.92	6.47	7.05
11	8.16	8.03	8.25	8.38	7.82	6.95	7.25	7.61	7.86	5.93	6.53	7.00
12	8.15	7.99	8.32	8.38	7.80	6.99	7.30	7.64	7.84	5.96	6.55	6.93
13	8.15	8.06	8.32	8.40	7.73	7.01	7.34	7.67	7.74	6.03	6.57	6.88
14	8.14	8.06	8.28	8.40	7.71	7.06	7.37	7.70	7.75	6.09	6.61	6.92
15	8.12	8.07	8.28	8.40	7.73	7.04	7.39	7.71	7.79	6.15	6.64	6.96
16	8.16	8.08	8.32	8.40	7.77	6.75	7.41	7.72	7.83	5.95	6.63	7.00
17	8.22	8.10	8.35	8.39	7.79	6.78	7.43	7.73	7.85	6.07	6.65	7.01
18	8.22	8.10	8.29	8.39	7.79	6.82	7.45	7.75	7.85	6.14	6.67	7.06
19	8.20	8.13	8.29	8.43	7.67	6.85	7.48	7.77	7.74	6.18	6.68	7.08
20	8.20	8.17	8.29	8.43	7.59	6.90	7.51	7.79	7.66	6.24	6.70	7.09
21	8.21	8.17	8.29	8.44	7.59	6.95	7.53	7.81	7.69	6.30	6.72	7.07
22	8.23	8.18	8.31	8.43	7.63	7.00	7.55	7.82	7.73	6.16	6.80	7.11
23	8.24	8.18	8.32	8.45	7.64	7.03	7.58	7.82	7.73	6.26	6.87	7.13
24	8.25	8.17	8.31	8.46	7.54	7.05	7.60	7.82	7.22	6.27	6.88	7.13
25	8.24	8.17	8.30	8.46	7.15	7.09	7.62	7.71	7.22	5.42	6.90	7.17
26	8.25	8.18	8.32	8.45	6.62	7.12	7.65	7.65	7.26	5.26	6.91	7.19
27	8.29	8.20	8.33	8.40	6.60	7.14	7.67	7.70	7.30	5.47	6.92	7.20
28	8.28	8.16	8.35	8.35	6.67	7.17	7.64	7.73	7.35	5.62	6.93	7.21
29	8.25	....	8.33	8.30	6.74	7.16	7.52	7.76	7.36	5.73	6.93	7.20
30	8.23	....	8.31	8.15	6.79	7.20	7.57	7.78	7.34	5.82	6.93	7.21
31	8.21	....	8.34	....	6.85	....	7.54	7.81	....	5.76	....	7.19

Ward County--Continued.

202. A. R. Alves. W½S½ sec. 201, blk. 34, H. & T. C. R.R. survey, 2 miles west of Barstow. Unused dug and drilled well; dug, 60-inch square pit to 10 feet; drilled, diameter 12 inches to 100 feet. Measuring point, top of 4 by 6 inch wood curb above discharge pipe, at land surface. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Aug. 30, 1939	7.28	Jan. 8, 1940	8.48	Sept.10, 1940	7.71
Sept.20	7.06	Apr. 23	7.31	Oct. 8	8.28
Oct. 20	7.12	May 14	7.62	Dec. 5	7.96
Nov. 8	7.43	June 13	7.32	May 13, 1941	7.67
Dec. 9	7.87	Aug. 5	7.38	Aug. 11	1.70

205. George Briggs. West cor. of S½ sec. 184, blk. 34, H. & T. C. R.R. survey, 1 mile west of Barstow. Unused drilled well, diameter 9-5/8 inches, depth 85 feet. Measuring point from Dec. 17, 1930, through June 1, 1932, mark in south side of frame around pit at land surface. Measuring point from Aug. 30, 1939, through Oct. 2, 1941, top of automatic water-stage recorder platform, 2.9 feet above land surface, and 2,575.90 feet above mean sea level. Water-level recorder installed Feb. 17, 1940, and removed Aug. 18, 1941. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1940

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	14.36	14.70	12.50	13.15	12.78	12.88	13.38	13.86	12.20	13.54
2	.....	14.37	14.71	12.35	13.17	11.90	12.70	13.46	13.90	12.33	13.57
3	.....	14.38	14.57	12.34	13.17	11.87	12.82	13.50	13.92	12.43	13.59
4	.....	14.40	14.28	12.41	13.12	12.00	12.85	13.52	13.95	12.51	13.61
5	.....	14.41	13.91	12.50	13.05	12.13	12.91	13.54	13.98	12.59	13.63
6	.....	14.42	13.56	12.57	12.95	12.22	.....	13.40	14.04	12.64	13.64
7	.....	14.43	13.36	12.65	12.64	12.30	.....	13.01	14.06	12.68	13.66
8	.....	14.44	13.24	12.74	12.57	12.37	.....	13.02	14.08	12.72	13.68
9	.....	14.45	12.94	12.76	12.75	12.42	.....	13.14	14.10	12.78	13.69
10	.....	14.46	12.50	12.80	12.88	12.50	13.12	13.30	14.11	12.89	13.71
11	.....	14.47	12.11	12.86	12.95	12.55	13.18	13.37	14.10	13.89	13.72
12	.....	14.48	12.04	12.90	12.97	12.61	13.23	13.45	14.01	12.97	13.76
13	.....	14.49	12.01	12.94	12.96	12.64	13.26	13.49	13.91	12.99	13.80
14	.....	14.49	12.10	13.00	12.57	12.67	13.29	13.51	13.20	13.02	13.83
15	.....	14.50	12.15	13.05	12.58	12.70	13.32	13.53	12.32	13.05	13.84
16	.....	14.51	12.26	13.09	12.70	12.75	13.37	13.54	12.15	13.08	13.85
17	14.23	14.52	12.37	13.13	12.74	12.80	13.40	13.55	12.08	13.10	13.86
18	14.23	14.53	12.40	13.14	12.74	12.85	13.41	13.54	12.09	13.14	13.87
19	14.24	14.54	12.41	12.96	12.61	12.90	13.43	13.35	12.11	13.18	13.88
20	14.24	14.56	12.45	12.84	12.56	12.95	13.44	13.27	12.15	13.21	13.89
21	14.25	14.58	12.47	12.97	12.20	12.97	13.08	13.37	12.19	13.24	13.91
22	14.26	14.59	12.47	13.09	12.31	13.03	12.75	13.43	12.23	13.27	13.92
23	14.30	14.60	12.47	13.14	12.38	13.05	12.85	13.50	12.26	13.30	13.93
24	14.31	14.61	12.46	13.17	12.48	13.07	12.91	13.56	12.28	13.32	13.94
25	14.33	14.61	12.50	13.23	12.56	13.10	12.99	13.63	12.31	13.36	13.96
26	14.33	14.62	12.54	13.26	12.63	13.15	13.05	13.67	12.32	13.43	14.00
27	14.34	14.64	12.57	13.29	12.71	13.18	13.10	13.72	12.36	13.44	14.01
28	14.34	14.66	12.61	13.30	12.77	13.22	13.15	13.75	12.39	13.46	14.02
29	14.35	14.67	12.67	13.30	12.89	13.25	13.23	13.80	12.41	13.48	14.03
30	.....	14.68	12.67	13.18	12.92	13.26	13.27	13.84	12.28	13.51	14.05
31	.....	14.69	.....	13.17	.....	13.26	13.31	.....	12.27	.....	14.07

Ward County--Continued.

205. George Briggs.--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	14.08	14.39	14.57	14.76	12.58	10.95	9.40	9.55	.....	.....
2	14.09	14.39	14.58	14.76	12.58	10.97	8.07	9.76	.....	11.62
3	14.10	14.40	14.58	14.77	12.56	11.01	8.64	9.91	.....	.....
4	14.11	14.41	.....	14.77	12.53	11.06	8.67	10.02	10.84	.....
5	14.13	14.42	.....	14.78	12.53	11.08	9.05	10.13	.....	.....
6	14.14	14.43	.....	14.78	12.55	11.10	9.31	10.25	.....	.....
7	14.15	14.44	.....	14.73	12.58	11.13	9.38	10.35	.....	.....
8	14.16	14.45	.....	14.38	12.62	11.13	9.52	10.45	.....	.....
9	14.17	14.46	.....	14.17	12.67	11.18	9.63	10.56	.....	.....
10	14.17	14.46	14.59	14.06	12.70	11.22	9.64	10.66	.....	.....
11	14.17	14.47	.....	14.00	12.75	11.25	9.63	10.72	.....	.....
12	14.17	14.47	.....	13.97	12.76	11.28	9.82	10.82	.....	.....
13	14.18	14.48	.....	13.95	12.75	11.33	9.96	10.86	10.10	.....
14	14.19	14.48	.....	13.94	12.21	11.34	10.01	10.90	.....	.....
15	14.20	14.49	.....	13.95	12.19	11.11	9.81	10.83	.....	.....
16	14.21	14.50	.....	13.90	12.27	11.30	9.70	10.37	.....	.....
17	14.23	14.50	.....	13.68	12.36	11.22	10.03	9.79	.....	.....
18	14.25	14.51	.....	13.35	12.37	10.97	10.19	9.64	10.58	.....
19	14.26	14.51	14.65	13.04	12.39	11.02	10.23	10.00	.....	.....
20	14.27	14.52	14.65	12.71	12.42	11.17	10.30	10.30	.....	.....
21	14.28	14.52	14.66	12.55	12.45	11.20	10.37	10.50	.....	.....
22	14.28	14.53	14.66	12.55	12.46	11.31	10.33	.....	.....	.....
23	14.29	14.54	14.67	12.61	12.47	11.35	9.87	.....	.....	.....
24	14.29	14.55	14.68	12.67	12.45	11.41	9.84	.....	.....	.....
25	14.31	14.55	14.69	12.70	12.27	11.43	9.28	.....	11.21	.....
26	14.32	14.56	14.70	12.70	11.92	11.32	8.66	.....	.....	.....
27	14.33	14.56	14.71	12.69	11.83	10.86	8.61	.....	.....	.....
28	14.35	14.57	14.71	12.68	11.67	10.58	8.90	10.36	.....	.....
29	14.36	.....	14.72	12.63	11.46	10.33	9.18	.....	.....	.....
30	14.38	.....	14.73	12.59	11.01	9.95	9.18	.....	.....	.....
31	14.38	.....	14.75	.....	10.92	.....	9.15	.....	.....	.....

205-a. Test well 285. Water tract 9, sec. 183, blk. 34, H. & T. C. R.R. survey, 1 mile west of Barstow, across road from well 205. Diameter 8 inches, depth 11 feet. Drilled in 1940 to observe water-level fluctuations in shallow sand as compared with fluctuations in deep well No. 205. Measuring point, top edge of recorder platform, 3.80 feet above land surface, and 2,575.1 feet above mean sea level. Water-stage recorder installed Mar. 7, 1940.

Water level, in feet below measuring point, 1940

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	14.05	12.12	12.77	12.45	12.54	13.00	13.47	11.95	13.20
2	.....	14.06	11.98	12.81	11.80	12.30	13.06	13.52	12.05	13.22
3	.....	14.05	11.97	12.81	11.50	12.43	13.10	13.55	12.08	13.24
4	.....	13.70	12.00	12.77	11.62	12.55	13.14	13.60	12.17	13.26
5	.....	13.26	12.05	12.75	11.72	12.65	13.15	13.64	12.25	13.30
6	.....	13.07	12.20	12.63	11.84	12.70	13.00	13.67	12.29	13.31
7	13.78	12.92	12.25	12.30	11.88	12.70	12.57	13.68	12.37	13.34
8	13.80	12.80	12.33	12.19	11.96	12.67	12.56	13.72	12.41	13.35
9	13.81	12.50	12.35	12.34	12.03	12.68	12.74	13.75	12.46	13.36
10	13.81	12.04	12.40	12.49	12.07	12.73	12.88	13.76	12.51	13.39
11	13.82	11.72	12.45	12.55	12.14	12.80	12.98	13.77	12.58	13.40
12	13.83	11.64	12.50	12.57	12.20	12.83	13.05	13.66	12.63	13.43
13	13.84	11.60	12.55	12.56	12.23	12.86	13.08	13.58	12.65	13.46
14	13.85	11.65	12.63	12.13	12.25	12.91	13.12	12.96	12.67	13.48
15	13.85	11.72	12.67	12.17	12.27	12.95	13.15	12.15	12.70	13.50
16	13.86	11.84	12.70	12.30	12.37	12.99	13.16	11.90	12.75	13.53
17	13.86	11.95	12.74	12.40	12.38	13.00	13.17	11.75	12.78	13.53
18	13.87	11.98	12.75	12.40	12.38	13.00	13.17	11.75	12.81	13.54
19	13.89	12.00	12.50	12.23	12.42	13.01	13.02	11.78	12.84	13.56
20	13.89	12.04	12.32	12.21	12.51	13.02	12.95	11.84	12.86	13.57

Ward County--Continued.

205-a. Test well 285--Continued.

Water level, in feet below measuring point, 1940

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	13.92	12.06	12.51	11.80	12.56	12.75	12.96	11.87	12.89	13.58
22	13.92	12.06	12.65	11.91	12.60	12.36	13.05	11.90	12.94	13.60
23	13.93	12.05	12.71	12.01	12.62	12.44	13.14	11.93	12.97	13.61
24	13.95	12.04	12.75	12.09	12.64	12.53	13.19	11.96	13.00	13.62
25	13.97	12.06	12.80	12.16	12.67	12.60	13.24	11.99	13.03	13.65
26	13.98	12.10	12.84	12.25	12.70	12.65	13.27	12.01	13.06	13.67
27	13.99	12.14	12.87	12.30	12.72	12.71	13.34	12.05	13.10	13.67
28	14.00	12.18	12.90	12.39	12.82	12.77	13.38	12.07	13.12	13.69
29	14.01	12.24	12.90	12.45	12.85	12.84	13.42	12.09	13.14	13.70
30	14.02	12.24	12.80	12.48	12.86	12.91	13.45	12.04	13.18	13.72
31	14.04	.....	12.75	.....	12.86	12.96	.....	12.03	.....	13.74

205-a. Test well 285--Continued.

Water level, in feet below measuring point, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.76	14.06	14.25	14.40	12.28	11.70	9.29	9.18	10.29	11.02	11.08	11.78
2	13.77	14.07	14.25	14.41	12.27	11.71	8.86	9.41	10.39	11.09	11.14	11.80
3	13.78	14.08	14.26	14.41	12.26	11.76	8.38	9.60	10.45	11.16	11.22	11.82
4	13.79	14.09	14.26	14.42	12.24	11.83	8.37	9.74	10.47	11.21	11.25	11.85
5	13.80	14.10	14.26	14.42	12.23	11.85	8.76	9.86	10.49	11.26	11.28	11.89
6	13.81	14.12	14.27	14.43	12.23	11.89	9.05	9.97	10.26	11.30	11.33	11.89
7	13.82	14.13	14.27	14.43	12.26	11.90	9.12	10.07	9.19	11.35	11.38	11.89
8	13.82	14.13	14.27	14.22	12.30	11.90	9.23	10.16	9.52	11.40	11.40	11.90
9	13.83	14.14	14.28	13.96	12.35	11.94	9.34	10.27	9.88	11.47	11.45	11.85
10	13.83	14.14	14.28	13.77	12.40	11.99	9.36	10.36	10.06	11.49	11.41	11.79
11	13.83	14.14	.....	13.71	12.43	11.02	9.33	10.44	10.23	11.52	11.47	11.76
12	13.83	14.15	.....	13.64	12.45	11.05	9.50	10.54	10.27	11.55	11.47	11.64
13	13.84	14.15	.....	13.63	12.45	11.08	9.65	10.59	9.85	11.58	11.55	11.25
14	13.85	14.15	.....	13.62	11.97	11.09	9.71	10.63	9.62	11.63	11.60	10.91
15	13.86	14.16	.....	13.62	11.96	10.81	9.33	10.53	9.55	11.63	11.63	10.47
16	13.88	14.17	.....	13.60	12.02	11.01	9.20	10.14	9.78	11.42	11.67	10.27
17	13.89	14.17	.....	13.36	12.04	10.92	9.65	9.63	10.02	11.40	11.68	10.43
18	13.91	14.17	.....	13.07	12.05	10.73	9.85	9.55	10.16	11.25	11.28	10.59
19	13.92	14.18	14.31	12.79	12.06	10.79	9.90	9.72	10.27	11.11	.....	10.64
20	13.92	14.18	14.31	12.40	12.09	10.91	10.03	9.92	10.39	11.14	.....	10.69
21	13.94	14.19	14.32	12.25	12.10	10.93	10.07	10.09	10.48	11.16	.....	10.82
22	13.95	14.19	14.32	12.24	12.14	11.06	10.02	10.19	10.59	11.17	11.72	10.92
23	13.96	14.21	14.32	12.30	12.16	11.11	9.72	10.24	10.64	11.21	11.76	11.01
24	13.97	14.23	14.33	12.35	12.13	11.18	9.61	10.25	10.67	11.26	11.69	11.10
25	13.98	14.23	14.34	12.39	12.02	11.19	8.89	10.25	10.71	11.20	11.65	11.21
26	13.99	14.23	14.35	12.40	12.80	11.12	8.50	10.27	10.75	11.03	11.62	11.28
27	14.01	14.24	14.37	12.40	12.52	10.79	8.42	10.32	10.81	10.98	11.63	11.36
28	14.02	14.24	14.37	12.39	12.31	10.47	8.68	10.34	10.91	10.97	11.69	11.39
29	14.04	.....	14.38	12.34	12.07	10.22	8.93	9.77	10.99	10.98	11.72	11.40
30	14.05	.....	14.39	12.30	11.72	9.85	8.93	10.07	11.02	11.03	11.76	11.43
31	14.05	.....	14.39	.....	11.68	.....	8.78	10.27	.....	11.05	.....	11.43

206. W. A. Burkholder. SW¼SE¼NE¼ sec. 185, blk. 34, H. & T. C. R.R. survey, 1.25 miles north of Barstow. Unused dug and drilled well, diameter 9 inches, depth 43 feet. Measuring point, top of concrete well curb on north side, at land surface. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Aug. 29, 1939	6.67	July 12, 1940	11.34	Mar. 26, 1941	12.51
Feb. 8, 1940	10.80	Aug. 5	11.02	May 14	10.60
Mar. 8	11.70	Sept.10	11.42	Aug. 11	8.42
June 13	10.77	Dec. 5	11.61		

Ward County--Continued.

208. L. G. Farnum. Water tract 14, sec. 182, blk. 34, H. & T. C. R.R. survey, 1 mile east of Barstow, 0.25 mile north of U. S. Highway 80. Seldom used dug and drilled well, diameter 12 inches, depth 72 feet. Measuring point, top of east beam in well curb, 0.5 foot above land surface, and 2,572.10 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1930-33, 1939-41

Date	Water level	Date	Water level	Date	Water level
Dec. 17, 1930	5.91	Dec. 31, 1931	9.09	Dec. 9, 1939	10.21
Mar. 6, 1931	6.95	Feb. 2, 1932	8.92	Jan. 9, 1940	10.63
Apr. 6	6.30	Mar. 1	7.69	Feb. 10	11.00
May 6	5.39	Apr. 1	5.22	Mar. 11	12.71
June 2	5.65	May 2	9.00	May 13	11.57
July 2	7.72	June 1	4.69	Dec. 5	10.68
Aug. 5	9.56	Sept.13, 1933	8.08	Mar. 26, 1941	13.20
Sept. 3	6.08	20, 1939	7.00	May 15	11.90
Oct. 1	9.10	Oct. 20	9.65	Aug. 11	8.16
27	7.35	Nov. 8	9.88		

211. Mrs. W. H. Nichols. SE¼ water tract 3, sec. 173, blk. 34, H. & T. C. R.R. survey, 1 mile east of Barstow, on south side of U. S. Highway 80. Seldom used dug and drilled irrigation well, diameter 10 inches, depth 52.5 feet. Measuring point, top of plank well-curb west side, 0.5 foot above land surface, and 2,574.9 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1930-32, 1939-41

Oct. 25, 1930	6.34	Dec. 31, 1931	10.40	Jan. 9, 1940	10.43
Dec. 17	2.53	Feb. 2, 1932	10.42	Feb. 10	10.84
Mar. 6, 1931	7.12	Mar. 1	8.05	Mar. 11	11.23
Apr. 6	8.95	Apr. 1	7.63	May 13	9.70
May 6	8.69	May 2	10.53	June 14	10.41
June 2	7.82	June 1	6.38	Aug. 5	9.86
Aug. 5	11.08	Sept.20, 1939	7.38	Mar. 26, 1941	11.72
Sept. 3	8.47	Oct. 20	8.78	May 15	10.45
Oct. 1	11.06	Nov. 8	9.30	Aug. 11	7.44
27	9.00	Dec. 9	9.71		

217. Mrs. Charles Nichols. S½S½ sec. 156, blk. 34, H. & T. C. R.R. survey, 2.25 miles southeast of Barstow, at end of lane in front of Mexican house, about 400 feet west of large white frame house, windmill tower over well. Used dug domestic and stock well, depth 13 feet. Equipped with rope and bucket. Measuring point, top of wood well-curb west side, 2.0 feet above land surface, and 2,562.3 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Aug. 30, 1939	13.14	Feb. 10, 1940	13.72	Sept.10, 1940	14.22
Sept.20	11.31	Mar. 11	14.08	Oct. 8	14.04
Oct. 20	12.23	May 13	13.67	Dec. 5	13.52
Nov. 8	12.03	June 14	13.86	Mar. 26, 1941	14.64
Dec. 9	12.38	July 11	14.36	May 14	13.69
Jan. 9, 1940	13.54	Aug. 5	13.80	Aug. 11	11.30

220. Miller Brothers. South ½ sec. 155, blk. 34, H. & T. C. R.R. survey, 3.5 miles southeast of Barstow, on west bank of Rock Quarry Draw. Unused drilled well, diameter 8 inches, depth 21 feet. Measuring point, top of steel casing, 1.2 feet above land surface, and 2,566.1 feet above mean sea level.

Water level, in feet below measuring point, 1939-41

Aug. 30, 1939	14.39	Jan. 9, 1940	14.04	Aug. 5, 1940	15.83
Sept.20	12.73	Feb. 10	14.80	Sept.10	16.51
Oct. 20	12.59	Mar. 11	16.07	Oct. 8	16.50
Nov. 8	12.52	May 13	15.44	Dec. 5	15.80
Dec. 9	13.07	June 14	16.23	Mar. 26, 1941	17.61

Ward County--Continued.

221. L. M. Watson. North cor. water tract 4, sec. 32, blk. 33, H. & T. C. R.R. survey, 4.25 miles southeast of Barstow. Used dug well, 36 inches square, depth 17 feet. Measuring point, top of northeast corner 2 by 4-inch post in curb, 2.0 feet above land surface, and 2,560.4 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1939-41

Date	Water level	Date	Water level	Date	Water level
Aug. 30, 1939	13.27	Feb. 10, 1940	14.08	Oct. 8, 1940	15.10
Sept.20	10.78	Mar. 11	14.69	Dec. 5	13.96
Oct. 20	12.03	May 13	13.26	Mar. 26, 1941	15.78
Nov. 8	11.08	June 14	15.07	May 14	14.43
Dec. 9	12.12	Aug. 5	13.78	Aug. 11	7.78
Jan. 9, 1940	13.42	Sept.10	14.90		

255. John Miller. Sec. 20, blk. 32, H. & T. C. R.R. survey, 0.4 mile south of west corner of sec. 7, blk. 34, 5.75 miles northwest of Grandfalls, south of Pyote road. Unused drilled well, diameter 6 inches, depth 29 feet. Equipped with windmill. Measuring point, top of steel casing collar, 3.5 feet above land surface.

Water level, in feet below measuring point, 1940-41

Mar. 29, 1940	23.54	Dec. 5, 1940	20.51	May 15, 1941	19.53
Oct. 2	21.60	Mar. 27, 1941	20.24		

309. J. S. Reynolds. S½W¼ sec. 10, blk. 5, H. & T. C. R.R. survey, 2.5 miles southeast of Grandfalls, on northeast side of county road, 50 feet from irrigation canal. Unused dug well, depth 14 feet. Measuring point, top of 1-inch plank in curb, west side, 0.5 foot above land surface. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1940-41

Feb. 2, 1940	11.20	May 15, 1940	9.01	Dec. 6, 1940	11.62
Mar. 20	11.98	Aug. 29	10.10	Mar. 27, 1941	13.46
Apr. 2	11.89	Oct. 2	10.76	May 15	10.43

310. Mrs. E. J. Dorr. SW¼ sec. 46, M. H. Short survey, 4 miles southeast of Grandfalls, at turn in county road to river crossing. Seldom used dug well, depth 14 feet. Measuring point, top of wooden curb, 1.5 feet above land surface.

Water level, in feet below measuring point, 1940-41

Aug. 29, 1940	13.32	Dec. 9, 1940	13.70	May 15, 1941	13.53
Oct. 2	13.12	Mar. 27, 1941	(a)		

316. B. H. Grube. NW¼SW¼ sec. 36, blk. 1, H. & T. C. R.R. survey, 3.5 miles south of Grandfalls. Used dug well, depth 10 feet. Measuring point, top of wood cover at land surface, and 2,422 feet above mean sea level. Water level affected by irrigation of surrounding land.

Water level, in feet below measuring point, 1940-41

Aug. 29, 1940	8.00	Dec. 6, 1940	9.02	May 15, 1941	8.88
Oct. 2	8.44	Mar. 27, 1941	10.12		

Wharton County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886 and 909.

4. Commercial State Bank. Under derrick beside transformer, 75 feet northwest of house, 1.4 miles west of Sandy Creek, 9 miles southwest of Hahn. Water levels, in feet below measuring point, 1941: Apr. 8, 36.07; Dec. 18, 39.92.

8. J. W. Wyer. At end of transmission line, 1,000 feet south of road, 0.7 mile west of Round Mott School, 6 miles southwest of Hahn. Water levels, in feet below measuring point, 1941: Apr. 8, 36.62; Dec. 18, 37.79.

a Dry.

Wharton County--Continued.

31. Tom Thomas. Six hundred feet south of house, 6.5 miles north of Louise. Water levels, in feet below measuring point, 1941: Apr. 8, 28.33; Dec. 18, 28.05.

32. Harfst Bros. In old shed, underneath derrick, near high-line transformer, 0.7 mile north of Cobbler Creek School, 4.5 miles southeast of Hahn. Water levels, in feet below measuring point, 1941: Apr. 8, 31.55; Dec. 18, 31.49.

33. Harfst Bros. In pump house near small red shed, 600 feet west of house, on south side of road, 1.75 miles east of Hahn. Water levels, in feet below measuring point, 1941: Apr. 8, 39.10; Dec. 18, 38.45.

57. W. A. Harrison. In pasture, 45 yards north of road and about 45 yards east of white house, 3.25 miles north of Glen Flora. Used dug well, diameter 24 inches, depth 20 feet. Measuring point, top of brick curb, 1.6 feet above land surface. Equipped with rope and bucket. Water levels, in feet below measuring point: Feb. 27, 1934, 18.54; Apr. 7, 1941, 16.62; Dec. 20, 1941, 14.78.

66. J. J. Pendegrass. Back of large white house, 1.65 miles southeast of railroad, 2.5 miles west of Bonus, 11 miles northwest of Glen Flora. Used dug and drilled well, diameter 24 and 6 inches, depth 65 feet. Measuring point, top of cement curb, 1.0 foot above land surface. Equipped with windmill and $\frac{1}{2}$-horsepower gasoline engine. Water levels, in feet below measuring point: Apr. 20, 1940, 28.41; Apr. 7, 1941, 23.21; Dec. 20, 1941, 21.16.

70-A. J. J. Vacek. Ten feet south of small building, 0.1 mile south of U. S. Highway 90, 3.2 miles west of East Bernard. Water levels, in feet below measuring point, 1941: Apr. 7, 10.95; Dec. 20, 11.67.

70-B. J. J. Vacek. Two hundred and seventy-five feet south of well 70-A. Water levels, in feet below measuring point, 1941: Apr. 7, 12.81; Dec. 20, 12.20.

81. Wm. J. Corman. In Lissie, 10 feet south of white house, 2 blocks south of U. S. Highway 90, 9 miles west of East Bernard. Used bored well, diameter 6 inches, depth 45 feet. Measuring point, top of 6-inch casing, 1.0 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: Apr. 19, 1940, 26.67; Apr. 7, 1941, 26.51; Dec. 20, 1941, 25.98.

96. Frank Bucek. Thirty feet south of white house, 100 feet east of State Highway 60, 8.2 miles north of Wharton. Water levels, in feet below measuring point, 1941: Apr. 8, 23.57; Dec. 20, 22.60.

108. City of Wharton. On State Highway 60, south side of street, one-half block east and one block north of Wharton County Courthouse. Water levels, in feet below measuring point, 1941: Apr. 8, 24.55; Dec. 20, 22.55.

109. City of Wharton. Northeast corner of city water works lot in Wharton. Water levels, in feet below measuring point, 1941: Apr. 8, 27.27; Dec. 20, 27.45.

140. P. Dornak. In well house, 6 feet north from northwest corner of concrete swimming pool, 460 feet southwest of "T" road intersection of gravel road, and State Highway 71, 1.8 miles south from El Campo. Water level, in feet below measuring point, 1941: Apr. 8, 16.76.

165. H. P. Stockton. Thirty feet west of road, 600 feet north of two-story white house, 1.4 miles northwest of Louise. Water levels, in feet below measuring point, 1941: Apr. 8, 23.82; Dec. 18, 23.32.

173. Stoval & Appling. Under old derrick, between high-line and irrigation ditch, 100 feet northeast of road, 8.35 miles south of Louise. Water levels, in feet below measuring point, 1941: Apr. 8, 16.38; Dec. 19, 15.59.

178. Adrian Johnson. In wooden shed, 15 feet west of earthen tank, 386 feet east from house, 50 feet south of county road, 8.2 miles southwest from El Campo. Water levels, in feet below measuring point, 1941: Apr. 8, 21.34; Dec. 19, 21.38.

Wharton County--Continued.

181. T. E. Appling. In galvanized pump shed, 200 feet southeast from red barn, 75 feet northwest from county road, 6.8 miles southeast from El Campo. Water levels, in feet below measuring point, 1941: Apr. 8, 24.24; Dec. 19, 24.06.

186. Otto Mickelson. In shed, east of red barn, 300 feet east of dirt road, 400 feet east of State Highway 71, 2.5 miles north of Danevang. Water levels, in feet below measuring point, 1941: Apr. 8, 17.01; Dec. 19, 16.30.

200. J. L. Myatt. In tin pump shed, 30 feet back of house, 150 feet from crossroads, 4.25 miles west of Danevang. Used drilled rice irrigation well, diameter 24 and 12 inches, depth 310 feet. Measuring point, top of pump base, 1.0 foot above land surface. Equipped with gasoline engine driven turbine pump. Water levels, in feet below measuring point: Apr. 25, 1940, 22.17; Apr. 8, 1941, 21.43; Dec. 19, 1941, 21.53.

209. J. C. Allen. At end of galvanized pump shed, 200 feet southeast from red barn, 75 feet northwest of county road, 6.8 miles southeast from El Campo. Water levels, in feet below measuring point, 1941: Apr. 8, 15.43; Dec. 19, 14.07.

239. Gulf, Colorado & Santa Fe Railway Company. At large black water tank, east of section houses and east of railroad track, 3.2 miles south of Boling Station. Water levels, in feet below measuring point, 1941: Apr. 8, 20.68; Dec. 20, 18.13.

241. Texas Gulf Sulphur Company. In wood pump shed, 75 feet northwest of private road, 400 feet northeast of time-keeper's office, in company grounds at New Gulf. Water levels, in feet below measuring point, 1941: Apr. 8, 25.82; Dec. 20, 29.07.

243. Texas Gulf Sulphur Company. In wood pump shed, about 500 feet southwest of power plant, at New Gulf. Used drilled well, diameter 20 inches, depth 530 feet. Measuring point, top of airline hole in inner pump base, 3.0 feet above land surface. Equipped with 20-horsepower electric motor driven turbine pump. Water levels, in feet below measuring point: Feb. 15, 1934, 27.92; Apr. 8, 1941, 27.41; Dec. 20, 1941, 25.29.

Williamson County

342. J. F. McCann Estate. Four and three-fourths miles southwest of Georgetown. Used drilled well, diameter 4 inches, depth 237 feet. Measuring point, top of concrete block, 1.5 feet above land surface. Equipped with windmill. Water levels, in feet below measuring point: June 21, 1940, 46.30; Nov. 21, 1941, 59.50.

344. Victor Robertson. Four and three-fourths miles southwest of Georgetown. Seldom used drilled well, diameter 4 inches, depth 117 feet. Measuring point, top of iron clamp, 1.0 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: July 15, 1940, 115.08; July 25, 1941, 84.15; Nov. 21, 101.09.

346. Jack Gillam. Four and one-fourth miles southwest of Georgetown. Used drilled well, diameter 4 inches, depth 350 feet. Measuring point, top of concrete curb, 1.0 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: July 15, 1940, 69.43; Nov. 21, 1941, 120.55.

348. Claude DeDear. Three and one-half miles southwest of Georgetown. Used drilled well, diameter 4 inches, depth about 150 feet. Measuring point, top of 4-inch square block, 0.3 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point, 1941: July 25, 140.18; Nov. 21, 155.00.

351. Fred Montgomery. Two and one-half miles southwest of Georgetown. Used drilled well, diameter 4 inches, depth 175 feet. Measuring point, top of iron pipe clamp, 1.3 feet above land surface. Equipped with windmill. Water levels, in feet below measuring point: June 8, 1940, 118.04; July 25, 1941, 99.58; Nov. 21, 112.44.

Williamson County--Continued.

353. Walter Thwing. Two and one-fourth miles south of Georgetown. Used drilled well, diameter 6 inches, depth 175 feet. Measuring point, top of iron pipe clamp, 0.5 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: July 16, 1940, 124.24; July 25, 1941, 93.76; Nov. 21, 114.61.

418. Eubanks Estate. One and one-half miles south of Georgetown. Used drilled well, diameter 6 inches, depth 130 feet. Measuring point, top of iron casing, 0.5 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: July 16, 1940, 89.20; July 23, 1941, 66.08; Nov. 21, 85.16.

420. Mrs. Juanita Fleeger. Three-fourths mile southwest of Georgetown. Used drilled well, diameter 5 inches, depth 105 feet. Measuring point, top of casing, 1.0 foot above land surface. Water levels, in feet below measuring point: July 16, 1940, 91.31; Nov. 21, 1941, 86.10.

922. Mrs. Asher. One and one-fourth miles south of Round Rock. Used drilled well, diameter 4 inches, depth 149 feet. Measuring point, top of block 6 feet above land surface. Equipped with windmill. Water levels, in feet below measuring point: June 7, 1940, 120.40; July 24, 134.38; July 25, 1941, 108.17; Nov. 21, 119.80.

929. Mrs. J. L. Frisk. Two and one-half miles south of Round Rock. Used drilled well, diameter 4 inches, depth 230 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: June 13, 1940, 176.71; July 25, 1941, 151.43; Nov. 21, 163.48.

Zavala County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886 and 909.

H7-13. Roy Cornett. Five miles north of La Pryor. Water level, in feet below measuring point, 1941: Aug. 6, 131.86.

H7-20. W. R. Terpening. Five and one-half miles north of La Pryor. Water level, in feet below measuring point, 1941: Aug. 2, 77.05.

M3-29. No measurements made in 1941.

M6- 9. King Ware. Eight and one-half miles northwest of Cometa. Water level, in feet below measuring point, 1941: Aug. 2, 52.57.

M6-10. W. M. Van Cleve. Seven and one-half miles northwest of Cometa. Water level, in feet below measuring point, 1941: Aug. 2, 74.87.

M6-16. No measurements made in 1941.

M6-18. N. E. Ware. Four miles northwest of Cometa. Water level, in feet below measuring point, 1941: Aug. 2, 38.76.

M6-19. L. D. Van Cleve. Three miles northwest of Cometa. Water level, in feet below measuring point, 1941: Aug. 2, 58.76.

M9- 1. T. B. Mear. Cometa. Water level, in feet below measuring point, 1941: Aug. 2, 65.44.

N1-17. No measurements made in 1941.

N1-24. J. C. Williams. Two and one-half miles northwest of La Pryor. Water level, in feet below measuring point, 1941: Aug. 6, 124.13.

N1-40. I. T. Pryor. Two miles west of La Pryor. Water level, in feet below measuring point, 1941: Aug. 6, 105.52.

N5-31. C. & M. Produce Company. Three miles northeast of Crystal City. Water level, in feet below measuring point, 1941: Aug. 2, 33.43.

N5-39. C. R. Jarrett. Two miles northeast of Crystal City. Water level, in feet below measuring point, 1941: Aug. 2, 42.03.

Zavala County--Continued.

N5-40. C. R. Jarrett. Two and one-half miles east of Crystal City. Water level, in feet below measuring point, 1941: Aug. 2, 38.80.

N5-47. No measurements made in 1941.

N5-55. Cribbs & Davidson. Two and one-half miles east of Crystal City. Water level, in feet below measuring point, 1941: Aug. 2, 43.35.

N5-60. E. L. Reedy. Four miles east of Crystal City. Water level, in feet below measuring point, 1941: Aug. 2, 41.43.

N7- 2. No measurements made in 1941.

N8- 7. W. W. Walker. Three miles southeast of Crystal City. Water level, in feet below measuring point, 1941: Aug. 2, 40.83.