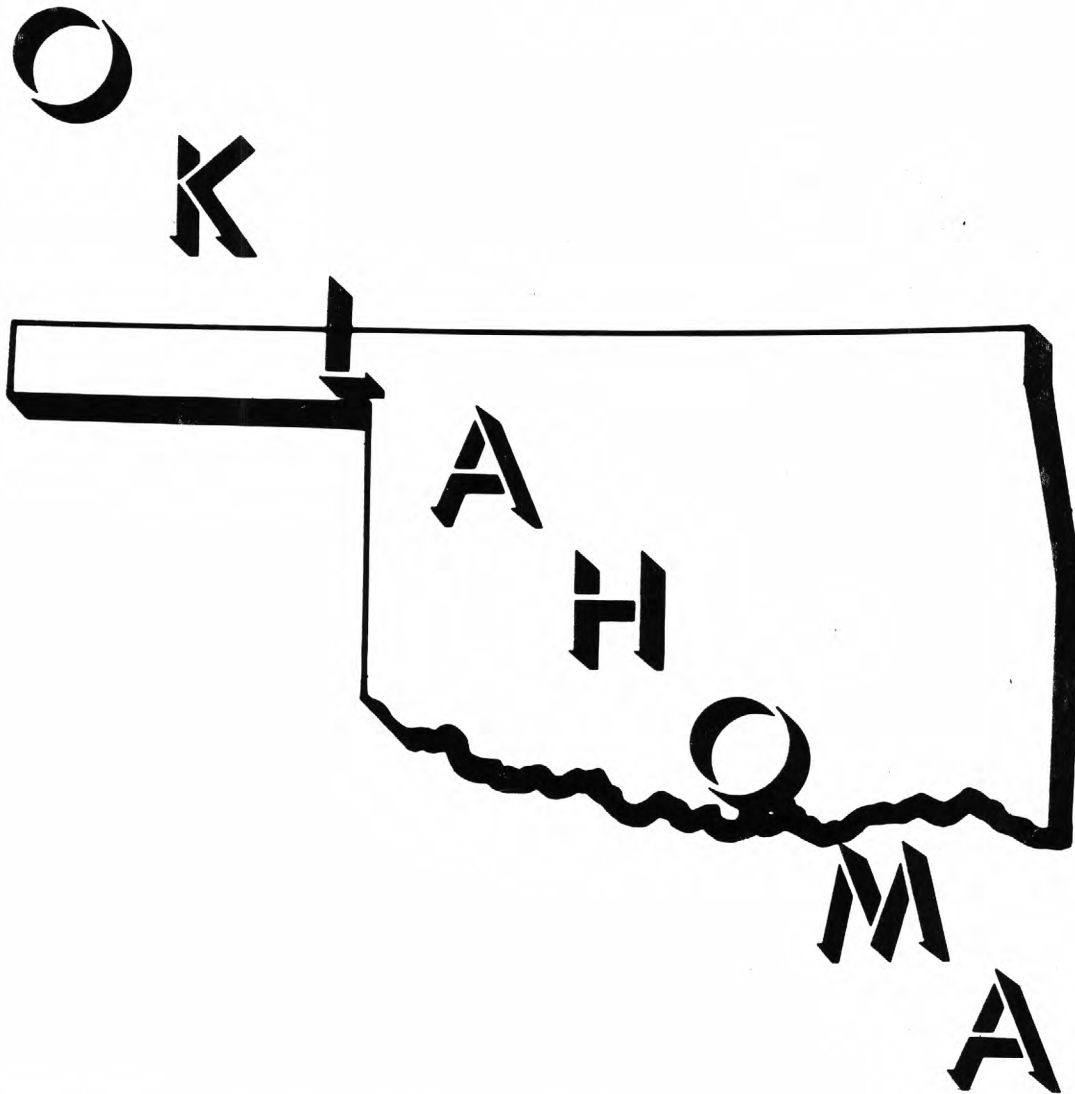


GROUND-WATER LEVELS 1961-1962



GROUND WATER

1964

State of Oklahoma

HENRY L. BELLMON, GOVERNOR

Oklahoma Water Resources Board

Members

DR. LLOYD E. CHURCH, Wilburton
Chairman

GLADE KIRKPATRICK, Tulsa
Vice-Chairman

GEORGE E. BENZ, Bartlesville
Secretary

JOHN R. CURRY, Antlers

GUY H. JAMES, Oklahoma City

L. L. MALES, Cheyenne

JOE SYKORA, Stroud

FRANK RAAB

Director

This report contains water-level records for the 2-year period 1961-62 and is the second of a series presenting water-level data for all observation wells in Oklahoma. The first report, published in 1963, contains water-level records for the 5-year period, 1956-60. Data contained in this series of reports will: (1) provide an index to available groundwater supplies; (2) be useful in planning and studying water-resources development; and (3) serve as a framework to which other types of hydrologic data may be related.

Oklahoma Water Resources Board

GROUND-WATER LEVELS IN OBSERVATION WELLS
IN OKLAHOMA, 1961-62

By

P. R. Wood

U.S. Geological Survey

and

M. D. Moeller

Oklahoma Water Resources Board

The United States Geological Survey

in cooperation with

The Oklahoma Water Resources Board

1964

Contents

	Page
Introduction.....	1
Scope of water-level program.....	2
Well-numbering system.....	2
Precipitation and temperature.....	3
Ground water.....	6
Changes in ground-water levels.....	6
Summary.....	25
References cited.....	25
Records of water levels.....	26
County index.....	inside back cover

Illustrations

Figure 1. Map showing location of observation wells in Oklahoma, 1961-62.....	
2. Well numbering system used in Oklahoma.....	3
3. Map of Oklahoma showing divisions used by the U.S. Weather Bureau.....	4
4. Hydrographs of three wells in the Oklahoma Panhandle and monthly precipitation at Goodwell.....	8
5. Hydrograph of a well in Major County and monthly precipitation at Enid.....	9
6. Hydrographs of two wells in Woodward County and monthly precipitation at Woodward.....	10
7. Hydrograph of a well in Beckham County and monthly precipitation at Erick.....	11
8. Hydrographs of wells in Caddo and Grady Counties and monthly precipitation at Carnegie and Marlow.....	13
9. Hydrographs of wells in Jackson and Greer Counties and monthly precipitation at Hollis.....	14
10. Hydrograph of a well in Tillman County and monthly precipitation at Frederick.....	15
11. Hydrograph of a well in Cleveland County and monthly precipitation at Norman.....	16

Illustrations--Continued

	Page
Figure 12. Hydrograph of a well in Oklahoma County and monthly precipitation at Oklahoma City.....	17
13. Hydrograph of a well in Payne County and monthly precipitation at Stillwater.....	18
14. Hydrographs of two wells in the Arkansas River valley, graphs showing mean-monthly discharge of the Arkansas River near Muskogee and Sallisaw, and monthly precipitation at Muskogee and Sallisaw.....	20
15. Graphs showing water-level fluctuations in a well, mean-monthly discharge of Byrds Mill Spring, and monthly precipitation at Pontotoc.....	22
16. Hydrograph of a well in Bryan County and monthly precipitation at Durant.....	23
17. Hydrograph of a well in McCurtain County and monthly precipitation at Broken Bow.....	24

Tables

Table 1. U. S. Geological Survey Water-Supply Papers in which water-level measurements of observation wells in Oklahoma have been published.....	1
2. Average precipitation and average temperature in different parts of Oklahoma during 1961-62.....	5
3. Descriptions of observation wells and water levels for the 2-year period 1961-62.....	27
4. Supplemental water-level records.....	109

GROUND-WATER LEVELS IN OBSERVATION WELLS
IN OKLAHOMA, 1961-62

By P. R. Wood and M. D. Moeller

Introduction

The investigation of the ground-water resources of Oklahoma by the U. S. Geological Survey in cooperation with the Oklahoma Water Resources Board includes a continuing program to collect records of water levels in selected observation wells on a systematic basis. These water-level records: (1) provide an index to available ground-water supplies; (2) facilitate the prediction of trends in water levels that will indicate likely changes in storage; (3) aid in the prediction of the base flow of streams; (4) provide information for use in basic research; (5) provide long-term continuous records of fluctuations of water levels in representative wells; and (6) serve as a framework to which other types of hydrologic data may be related.

Prior to 1956, measurements of water levels in observation wells in Oklahoma were included in water-supply papers published annually by the U. S. Geological Survey (table 1). Beginning with the 1956 calendar year, however, Geological Survey water-level reports will contain only records of a selected network of observation wells, and will be published at 5-year intervals. The first of this series, for the 1956-59 period, was published in 1962.

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

Year	Water-Supply Paper	Year	Water-Supply Paper
1935	777	1946	1074
1936	817	1947	1099
1937	840	1948	1129
1938	845	1949	1159
1939	886	1950	1168
1940	909	1951	1194
1941	939	1952	1224
1942	947	1953	1268
1943	989	1954	1324
1944	1019	1955	1407
1945	1026	1956-59	1549

This report has been prepared primarily to present water-level records of wells not included in the Federal network. However, for the sake of completeness it includes water-level records of Federal wells that either have been or will be published in Water-Supply Papers since 1955. This report, which contains water-level records for the 2-year period (1961-62), is the second of a series presenting water-level records for all permanent observation wells in Oklahoma. The first report, published in 1963, contains water-level records for the 5-year period (1956-60).

Scope of water-level program

The systematic collection of data on ground-water levels in Oklahoma was started in Payne County in 1934; the Panhandle in 1937; Cleveland County, in 1939; the North Canadian River Valley (Canadian, Blaine, Major, Woodward, and Harper Counties) in 1940; Oklahoma and McClain Counties in 1943; Caddo County in 1945; Grady, Ellis, and Custer Counties in 1946; Comanche, Jackson, Kiowa, Roger Mills, and Washita Counties in 1947; Kay and Seminole Counties in 1948; McCurtain and Tillman Counties in 1949; Choctaw, Garfield, Greer, Harmon, and Kingfisher Counties in 1950; Beckham County in 1952; Bryan County in 1953; Coal and Pontotoc Counties in 1955; and the valleys of the Arkansas and Verdigris Rivers (LeFlore, Sequoyah, Haskell, Muskogee, Wagoner, and Rogers Counties), in 1958. Locations of the observation wells measured during 1961-62 are shown on figure 1.

The data in this report were compiled and prepared for publication under the cooperative agreement for ground-water investigations in Oklahoma between the Oklahoma Water Resources Board and the U. S. Geological Survey. The work was done under the general supervision of Frank Raab, Executive Director, Oklahoma Water Resources Board, and O. M. Hackett, Chief, Ground Water Branch, U. S. Geological Survey, and under the direct supervision of A. R. Leonard, District Geologist of the U. S. Geological Survey, in charge of ground-water investigations in Oklahoma.

Well-numbering system

The well-numbering system used in Oklahoma is based on the Bureau of Land Management system of land subdivision. In the location system the first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first lower-case letter denotes the quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). Within each 10-acre tract the wells are numbered serially as indicated by the final digit of the number. Thus, in Beaver County, the number 1N-26E-5ddcl indicates that the well is in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5, T. 1 N., R. 26 E (fig.2).

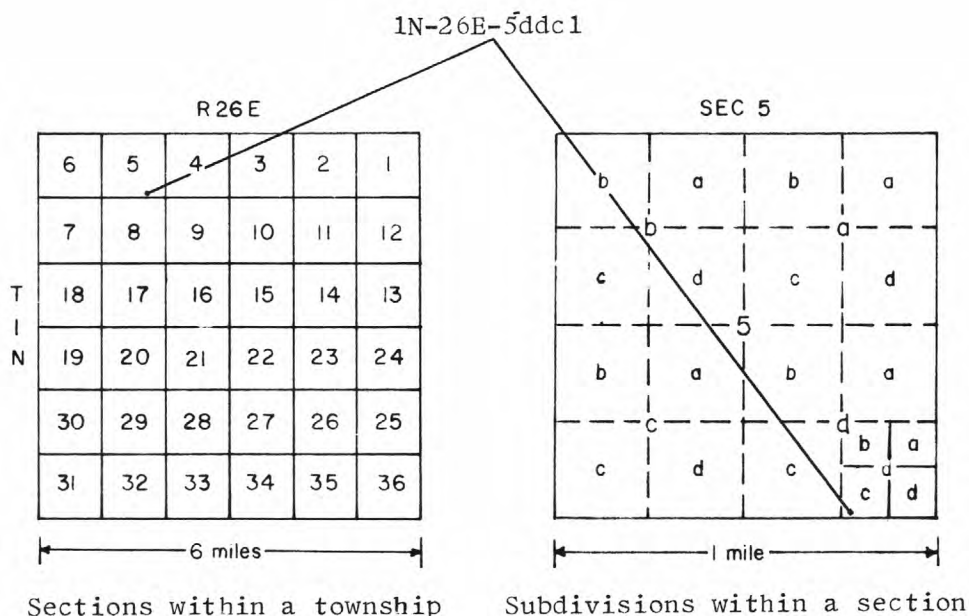


Figure 2.--Well-numbering system used in Oklahoma

In some areas, locations of observation wells are known only to the quarter section (160-acre tract) or quarter-quarter section (40-acre tract) as indicated by the well number.

Precipitation and temperature

Precipitation in Oklahoma, which is mostly in the form of rain, is heaviest in the spring and summer. In many local areas, especially during late spring and early summer, torrential rains resulting from severe late-afternoon thunderstorms are common. These storms may be accompanied by hail, tornadoes, or strong winds.

In order to better summarize Oklahoma's climatological data, the U. S. Weather Bureau has established nine divisions in the State as outlined on figure 3.

The average precipitation, the average temperature, and the departure from the long-term average in each of the nine divisions of the State for the 1961 and 1962 calendar years are summarized in table 2.

Graphs of the precipitation recorded at specific sites (fig. 1) in areas where ground-water levels were observed during the period covered by this report are placed with hydrographs showing water-level fluctuations in observation wells (figs. 4-17) to illustrate the influence of precipitation on ground-water levels in different parts of the State.



Figure 3.--Map of Oklahoma showing divisions used by the U.S. Weather Bureau

Table 2.--Average precipitation and average temperature in different parts of Oklahoma during 1961-62

(Data from U.S. Weather Bureau annual summaries)

Division ^{a/}	Average monthly precipitation, in inches												Average annual	Departure from average ^{b/}
	Jan.	Feb.	Mar.	Apr.	May	1961 June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
Panhandle	0.08	0.65	2.85	0.62	2.33	3.01	3.92	2.65	1.29	1.87	1.56	0.33	21.16	2.55
North central	.05	1.12	2.93	1.49	5.92	3.64	4.06	4.13	4.92	3.29	2.84	1.11	35.50	8.45
Northeast	.66	1.93	3.17	1.85	8.50	5.31	8.37	6.01	8.44	2.41	3.92	1.76	62.33	13.24
West central	.16	1.04	2.68	.71	2.20	6.25	2.01	3.99	4.31	2.79	3.33	.57	30.04	5.42
Central	.14	1.66	3.25	.92	3.93	4.89	6.45	2.71	7.92	2.18	3.50	1.41	38.96	5.82
East central	.96	2.19	4.55	1.27	7.31	2.81	9.07	2.34	6.26	2.88	4.19	2.51	46.34	4.47
Southwest	.23	1.65	3.22	.44	2.26	5.62	2.90	1.95	5.43	1.78	3.09	.91	29.48	2.72
South central	.40	1.72	4.31	.72	4.40	4.11	3.45	1.98	6.00	3.49	4.31	2.08	36.97	-0.08
Southeast	.87	3.47	4.92	1.56	6.92	3.91	7.08	4.16	5.33	2.86	6.55	3.83	51.46	5.00
<u>1962</u>														
Panhandle	.59	.25	.67	1.44	1.17	7.70	3.67	2.13	3.04	0.56	0.66	.46	22.34	3.36
North central	1.00	.22	.69	1.94	1.21	6.53	3.49	1.61	3.97	1.32	1.01	1.19	24.18	-3.67
Northeast	1.39	1.12	2.17	2.91	1.43	5.82	3.27	2.65	9.35	3.76	1.61	.80	36.28	-3.06
West central	.57	.12	.20	2.73	1.15	8.80	3.38	1.79	4.60	2.58	1.28	1.13	28.33	3.04
Central	.69	.85	1.34	2.66	2.76	7.68	3.08	1.04	5.98	2.76	1.62	1.10	31.56	-2.25
East central	1.80	1.55	2.42	3.32	1.81	4.54	4.58	1.81	5.93	4.47	2.21	1.88	36.32	-6.27
Southwest	.23	.42	.53	2.99	2.97	8.79	2.78	0.66	5.06	2.94	1.18	1.29	29.84	2.62
South central	.67	.84	2.25	3.17	2.68	8.98	2.63	1.20	6.49	4.45	3.61	1.63	38.60	1.37
Southeast	3.42	3.16	3.70	4.75	1.91	6.23	3.18	2.39	7.35	7.62	3.09	1.57	48.37	1.21
<u>Average monthly temperature (°F)</u>														
<u>1961</u>														
Panhandle	35.0	39.5	45.8	54.1	65.2	73.9	78.1	77.0	67.1	58.4	41.3	34.5	55.8	-1.7
North central	35.5	41.6	50.4	57.8	67.0	75.4	80.4	78.6	69.8	62.3	45.1	34.7	58.2	-2.1
Northeast	34.7	43.8	51.9	57.4	65.7	73.6	78.3	77.0	70.3	62.6	47.5	36.5	58.3	-2.0
West central	36.4	42.5	51.2	58.8	68.4	74.4	79.7	78.4	70.2	62.3	45.3	36.1	58.6	-2.1
Central	36.2	44.3	53.2	59.4	68.0	74.5	79.1	78.3	71.0	63.3	47.8	37.5	59.4	-2.1
East central	36.5	46.2	54.5	58.7	67.6	74.2	78.9	77.6	72.0	63.5	49.4	39.5	59.9	-1.9
Southwest	37.6	44.9	53.7	61.6	70.8	75.7	81.0	80.1	72.6	64.0	47.9	39.3	60.8	-1.8
South central	39.4	47.7	56.6	61.8	70.0	75.1	80.4	79.9	74.0	65.0	50.6	42.1	61.9	-1.4
Southeast	38.7	47.9	56.1	59.8	68.6	74.1	78.0	77.1	72.4	63.4	50.0	41.8	60.7	-2.4
<u>1962</u>														
Panhandle	30.4	41.7	44.4	56.5	71.6	72.2	79.3	80.0	69.9	61.3	47.3	40.2	57.9	.5
North central	30.6	43.5	47.2	58.3	75.6	75.5	82.2	82.5	72.0	64.4	48.7	40.0	60.0	- .1
Northeast	31.1	44.1	46.5	57.5	74.7	75.0	81.3	80.6	70.8	64.8	49.4	39.7	59.6	- .5
West central	32.8	45.4	48.8	58.6	74.6	74.5	81.5	81.6	72.0	64.2	49.3	41.4	60.4	- .1
Central	32.9	46.3	48.7	58.7	74.8	75.5	81.8	82.3	72.1	65.4	49.8	41.4	60.8	- .5
East central	34.0	47.3	48.1	59.2	74.8	76.1	82.1	81.8	72.2	66.2	51.1	42.3	61.3	- .4
Southwest	34.8	48.5	51.5	60.5	75.6	76.2	83.2	84.0	73.5	66.3	51.8	43.4	62.4	- .1
South central	36.5	50.6	51.6	60.7	75.2	76.7	82.5	83.5	74.5	68.2	52.4	44.6	63.1	- .1
Southeast	36.3	50.2	49.5	59.8	73.6	75.7	81.5	81.9	73.0	66.6	51.7	43.6	62.0	-1.0

^{a/} Counties included in the different divisions are outlined on figure 3.^{b/} Departure from long-term average based on the period 1931-60.

Ground water

Ground water in Oklahoma is controlled largely by climate and geology. Its ultimate source is precipitation that falls on the land surface. However, not all the precipitation that falls reaches the State's ground-water reservoirs, some returns to the atmosphere by evaporation from exposed water and soil surfaces and by transpiration from leaves and stems of plants, and some runs off the surface directly. A part of the water that becomes surface runoff reaches the ground-water body by downward or lateral percolation from streams. The water supplied from these sources seeps down to the zone of saturation and then percolates laterally through openings in the water-bearing materials from points of higher altitude in the intake, or recharge, areas to points of low altitude in the discharge areas. Eventually, some of the ground water is lost by evapotranspiration in swampy areas; some seeps into streams, helping to maintain their base flow; and the rest, in excess of the storage requirement, leaves the State by underflow through water-bearing materials where physical conditions permit.

Water in the State's ground-water reservoirs occurs under both water-table and artesian conditions. When ground water is not confined by an overlying impermeable stratum and its surface is free to move up or down at atmospheric pressure, water-table conditions prevail. Water is obtained from such a reservoir by dewatering the water-bearing materials in the vicinity of the pumped well, and water-level fluctuations in nearby observation wells reflect actual changes in ground-water storage. When ground water is confined by materials of sufficiently low permeability to hold water under pressure, artesian conditions prevail. When confined water is encountered by a well, the water level in the well casing rises some distance above the base of the confining layer and water-level fluctuations in observation wells reflect changes in the hydrostatic pressure of the confined-water body. When a well tapping confined water is pumped, water-bearing materials adjacent to the well are not dewatered because the whole confined-water body serves as a conduit through which water moves under pressure due to a difference in head between intake, or recharge, areas and the discharging well.

Changes in ground-water levels

The ground-water surface in Oklahoma is not stationary but fluctuates up and down much like the water level in a lake or reservoir. However, over a long period of time a condition of approximate equilibrium exists between the amount of water that is added annually to ground-water storage and the amount that is discharged annually by natural means. In general, the ground-water surface rises when recharge (derived chiefly from precipitation) exceeds discharge and, conversely, the ground-water surface declines when discharge (by natural or artificial means) exceeds recharge. Thus, changes in the water levels in wells indicate to what extent the ground-water reservoirs are being depleted or replenished.

Ground-water levels in Oklahoma reflect the effects of: (1) drought; (2) recharge, resulting chiefly from precipitation; (3) pumping for municipal, industrial, or agricultural purposes; (4) depletion resulting from evaporation and transpiration; (5) changes in stage of a nearby stream; (6) normal changes in atmospheric pressure or the severe changes associated with tornadoes; and (7) earthquakes. For an explanation of the detailed fluctuations caused by these influences the reader is referred to Hart (1961) or to one of the many Water-Supply Papers published by the Geological Survey.

Water-level measurements made in areas where ground water is pumped extensively for municipal, industrial, or agricultural purposes provide an index of the extent of ground-water development. As pumpage from wells increases, the water levels in the area will decline until they become readjusted to the increased use. If ground-water development becomes so great that pumping exceeds recharge, the water levels will continue to decline. Thus, the ground-water levels are a check on the relation between the available water supply and its development.

Fluctuations of water levels in three wells tapping the Ogallala Formation in the Oklahoma Panhandle are illustrated in figure 4. A casual inspection of the graphs will show that, in this area, water-level fluctuations do not correlate with monthly or seasonal precipitation. Marine (1963, p. 4-10), however, has shown that ground-water levels in the Panhandle correlate best with graphs of the 5-year moving average of precipitation. According to him, the 5-year moving average of precipitation increased abruptly in 1941 when the drought of 1933-40 was ended. Water levels in shallow wells and in deep wells, tapping highly permeable deposits, began to rise in 1941; but changes in water levels in wells tapping less permeable deposits occurred from 1 to as much as 7 years after the abrupt increase in the 5-year moving average of precipitation. The lag in time between recharge (rise in ground-water levels) and precipitation is determined by (a) the depth to the ground-water surface, (b) the vertical permeability of the intervening deposits, and (c) the topographic position of the well.

Fluctuations of water levels in three wells in north-central Oklahoma are shown in figures 5 and 6. The hydrographs of wells 21N-9W-20ddl (fig. 5) and 23N-19W-3aaaal (fig. 6) show that water levels in wells tapping terrace deposits (unconsolidated alluvial materials at one or more levels above the flood plains of major streams) have risen as a result of the above-average precipitation that has occurred since 1957. The hydrograph of well 21N-22W-23bbl (fig. 6) shows that water levels in a relatively undeveloped part of the Ogallala Formation in southwestern Woodward County fluctuate in response to precipitation, but that changes in water levels occur from 2 to 3 months after changes in rainfall. The time lag is determined principally by the moisture content of the soil, and the vertical permeability of the deposits in the interval between land surface and the zone of saturation.

Water-level fluctuations (fig. 7) in a well tapping terrace deposits in Beckham County, north of Erick, are closely related to local precipitation.

Figure 4.--Hydrographs of three wells in the Oklahoma Panhandle and
monthly precipitation at Goodwell

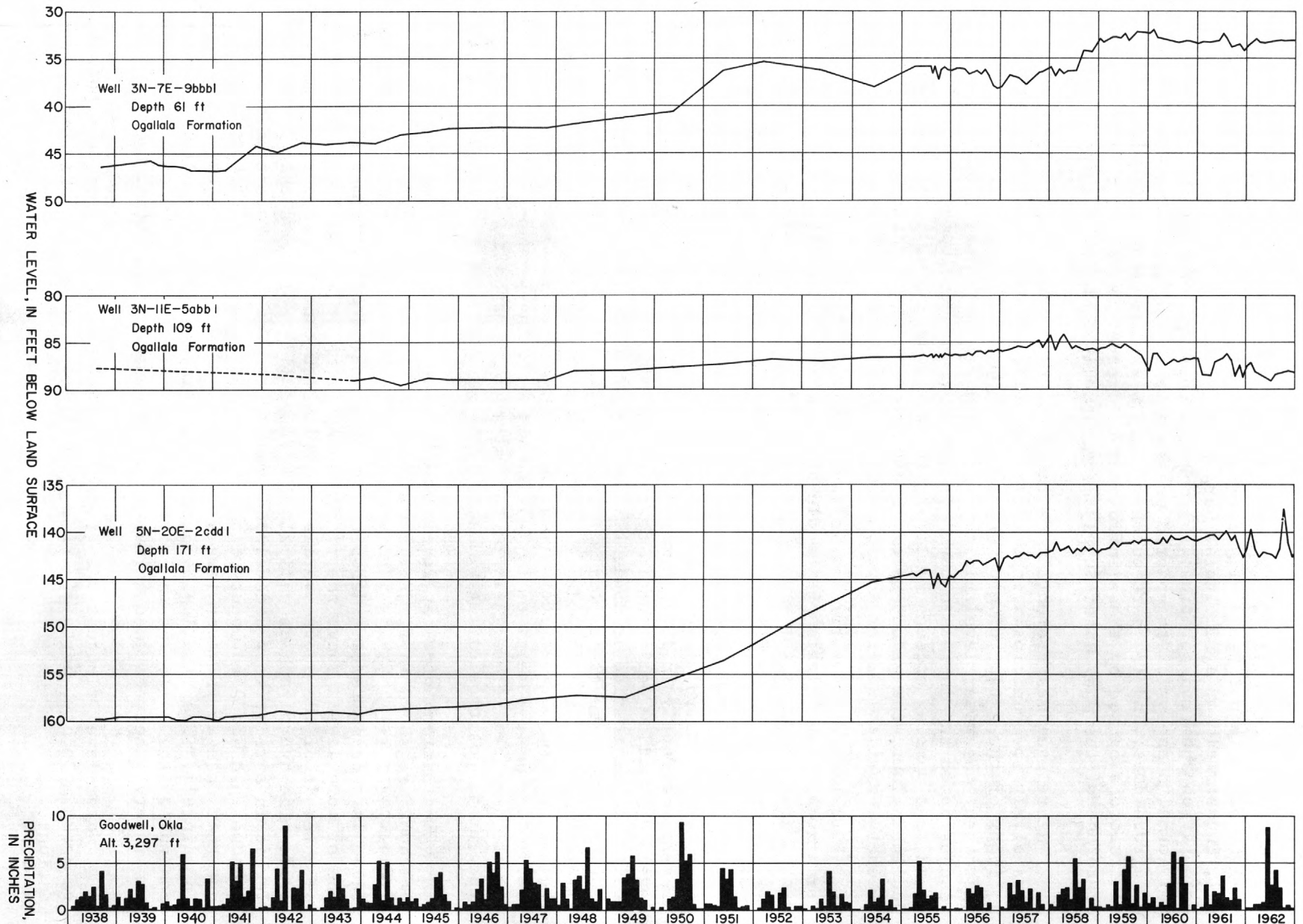


Figure 5.--Hydrograph of a well in Major County and monthly precipitation at Enid

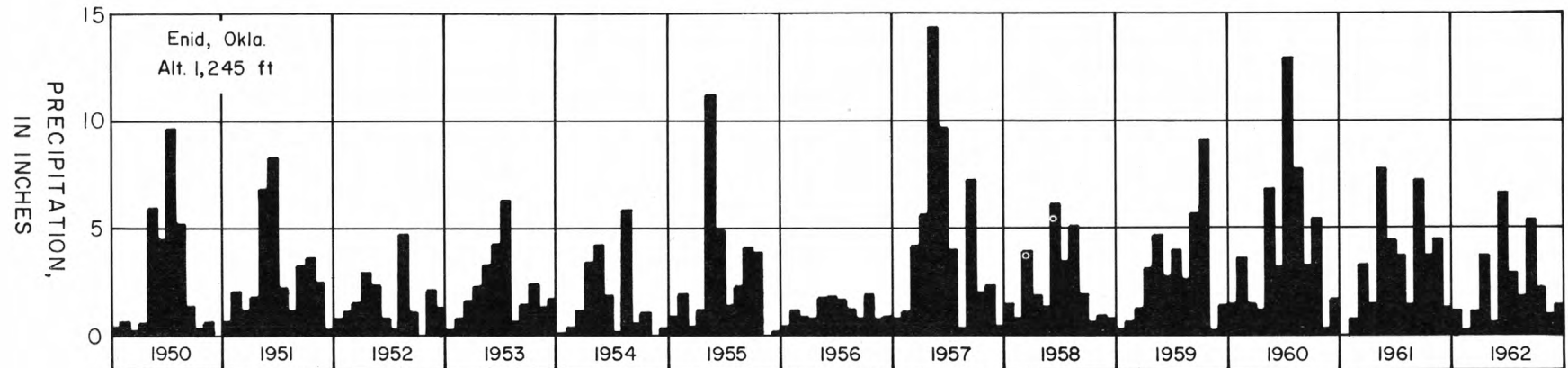
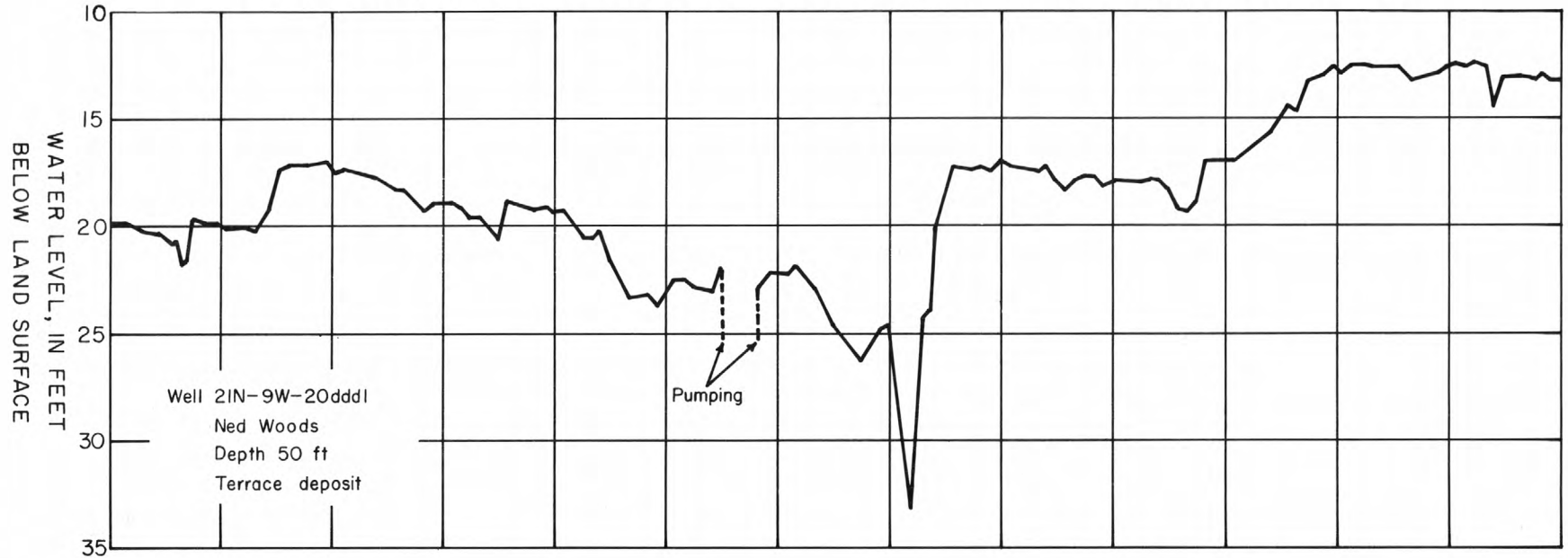


Figure 6.--Hydrographs of two wells in Woodward County and monthly precipitation at Woodward

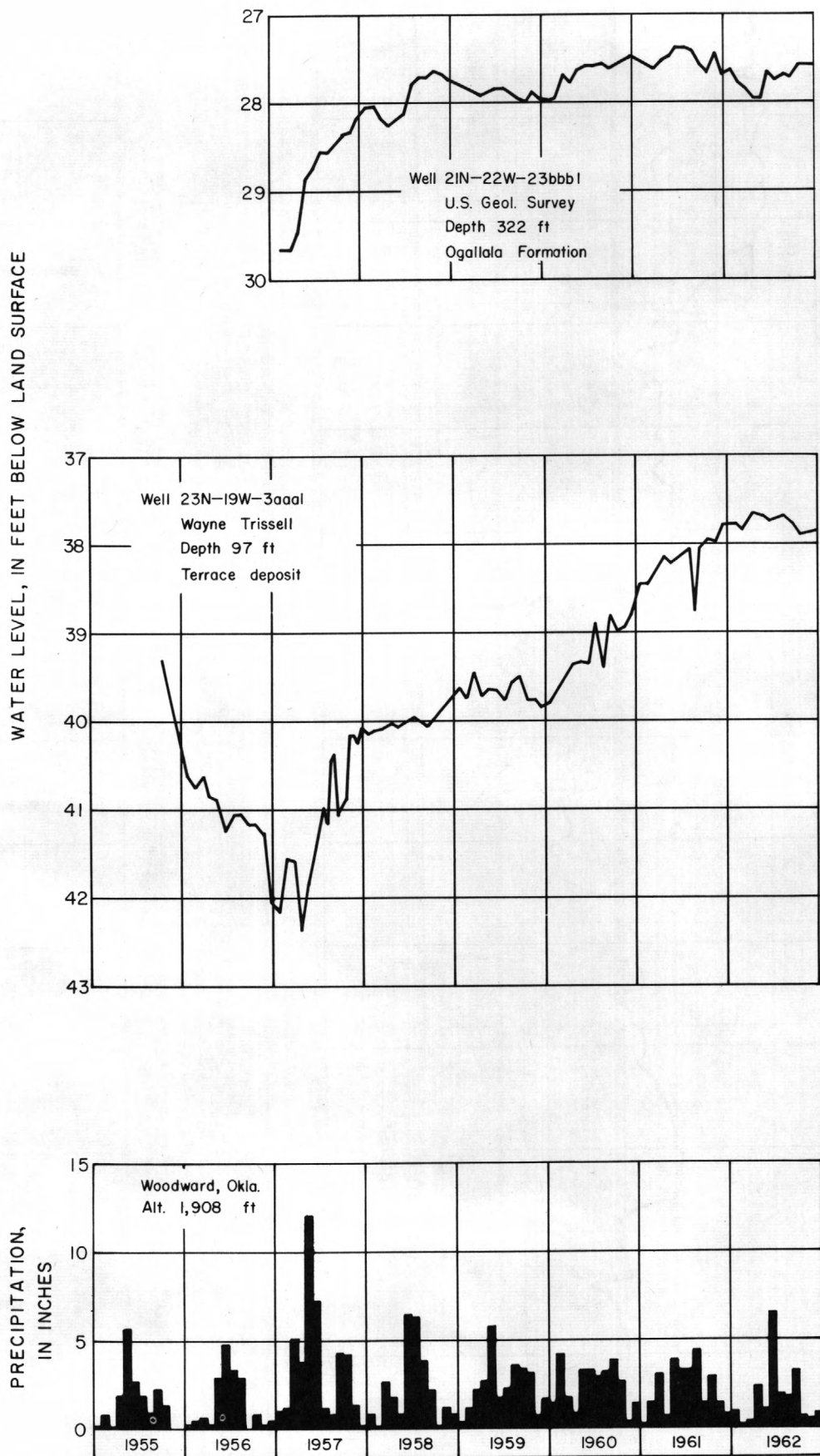
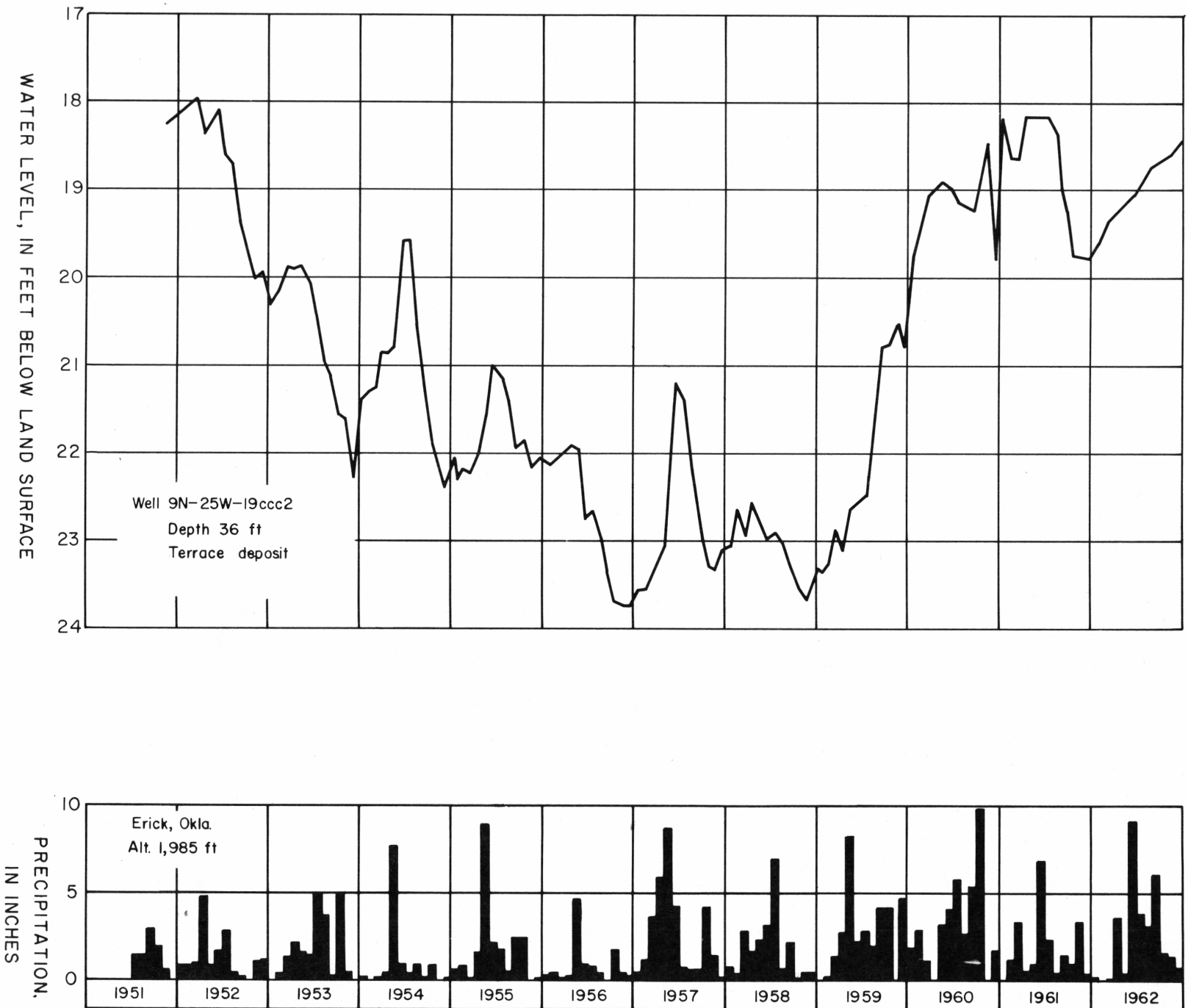


Figure 7.--Hydrograph of a well in Beckham County and monthly precipitation at Erick



Fluctuations of water levels in the Rush Springs Sandstone, an important source of water supply in Caddo, southwestern Grady, and eastern Washita Counties, are shown in figure 8. The hydrograph of well 9N-13W-28ddl (fig. 8) illustrates water-level changes in a well near the edge of a large irrigation area in northwestern Caddo and eastern Washita Counties. The hydrograph shows that, during the 3-year dry period (1952-54), water levels declined at a rate of about 0.8 foot per year. During the next 2 years (1955-56) the rate of water-level decline slackened to about 0.5 foot per year as a result of an increase in rains that fell during the late spring and summer of 1955. In 1957 the water level rose sharply, probably in response to above-average precipitation that occurred during the spring and early summer months.

The water-level decline for 1958 and the early part of 1959 is reflected by a decrease in rainfall for the same period. The rising water-level trend that began in June 1959 and continued through 1961 indicates that water, derived chiefly from precipitation, was being added to the ground-water reservoir at rates greater than it was being discharged. Hence, the net result was an increase in ground-water storage. In 1962, the water level declined slightly.

The hydrograph of well 4N-8W-33bb1 (fig. 8) shows water-level changes in an observation well located in an undeveloped part of the Rush Springs Sandstone in southwestern Grady County, about 40 miles southeast of the Caddo County well (fig. 8). Water-level trends in the two wells are very similar and differ mostly in the magnitude of the major fluctuations. Because the Grady County well declined less and recovered to higher levels, it probably reflects water-level changes due solely to natural causes; whereas fluctuations in the Caddo County well are influenced by pumping for irrigation.

Fluctuations of water levels in heavily developed irrigation areas in southwestern Oklahoma are shown in figures 9 and 10. Water level changes shown on these figures reflect large withdrawals of ground water for irrigation purposes during the summer of each year. The graphs also show that, in spite of the accelerated declines resulting from pumping during the summer, the ground-water reservoirs have not been overdeveloped, because water levels in the ground-water reservoirs return to, or near to, the original level when precipitation is adequate.

Fluctuations of water levels in central Oklahoma are shown in figures 11, 13, and 14. Figures 10 and 11 illustrate the type of fluctuation observed in deep areally extensive, artesian aquifers.

Figure 8.--Hydrographs of wells in Caddo and Grady Counties and monthly precipitation at Carnegie and Marlow

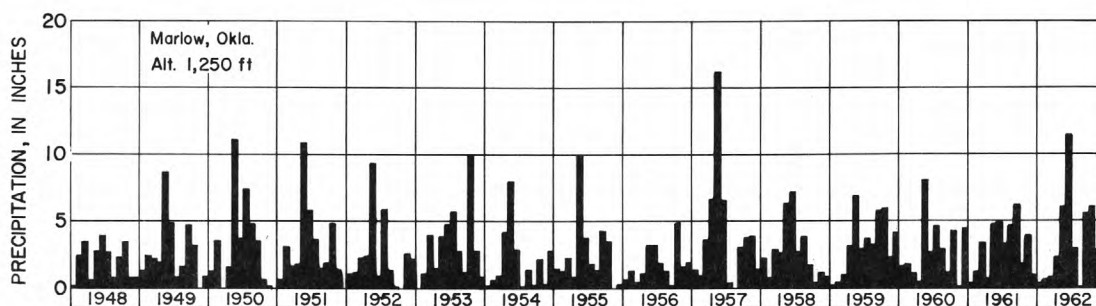
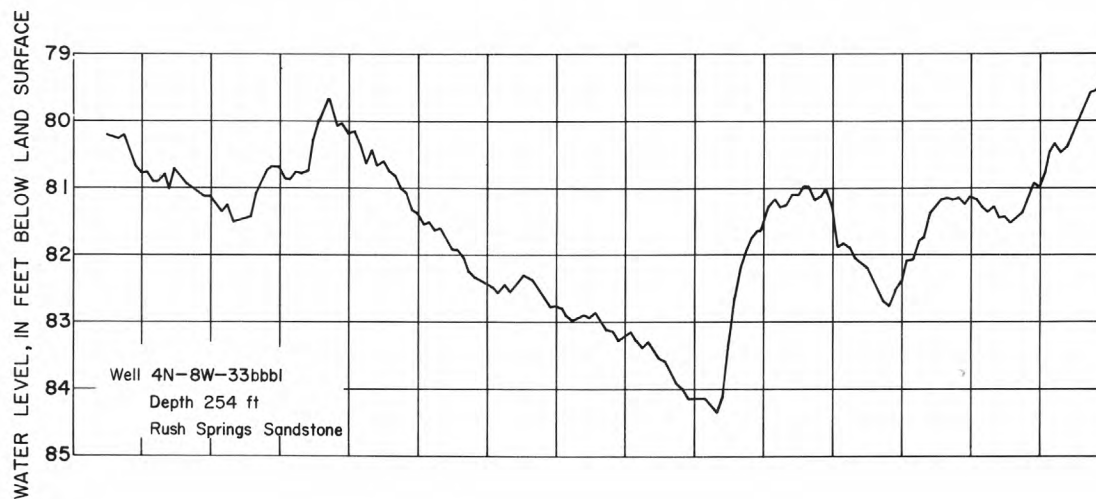
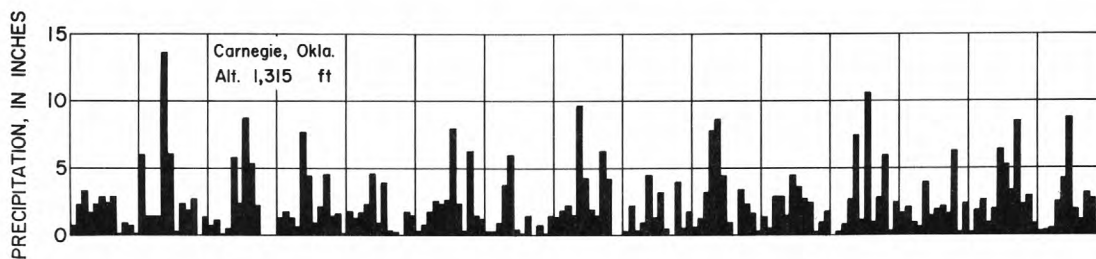
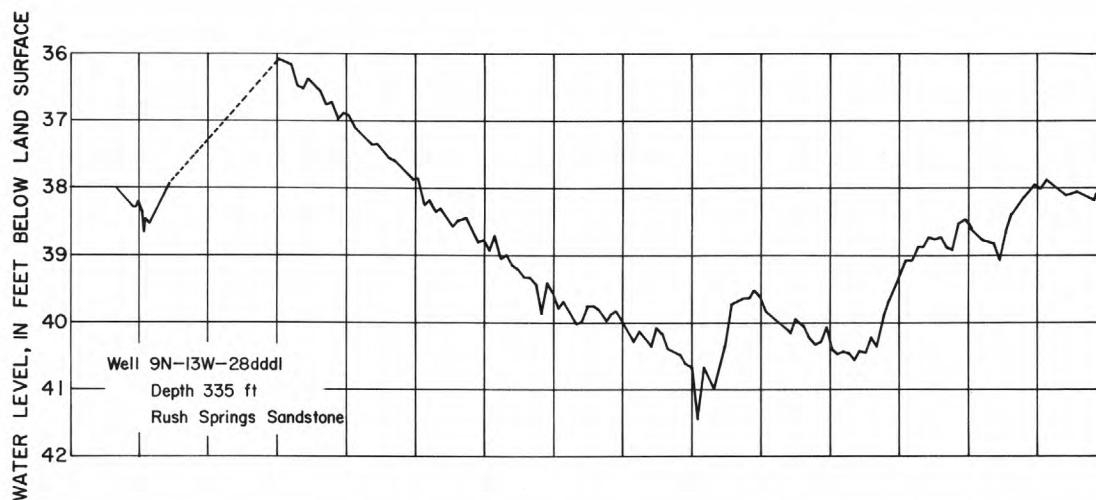


Figure 9.--Hydrographs of wells in Jackson and Greer Counties and monthly precipitation at Hollis

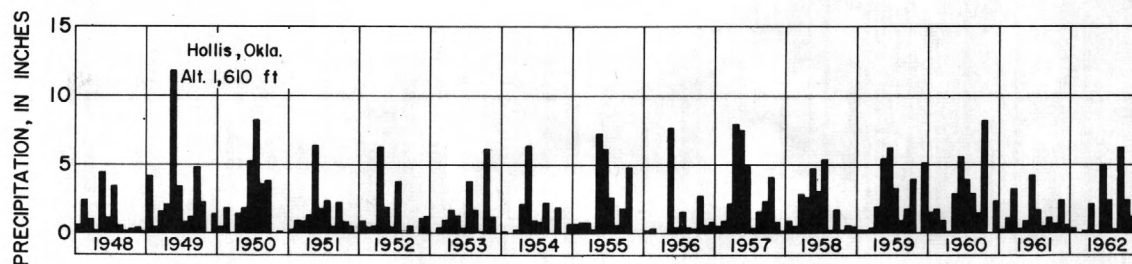
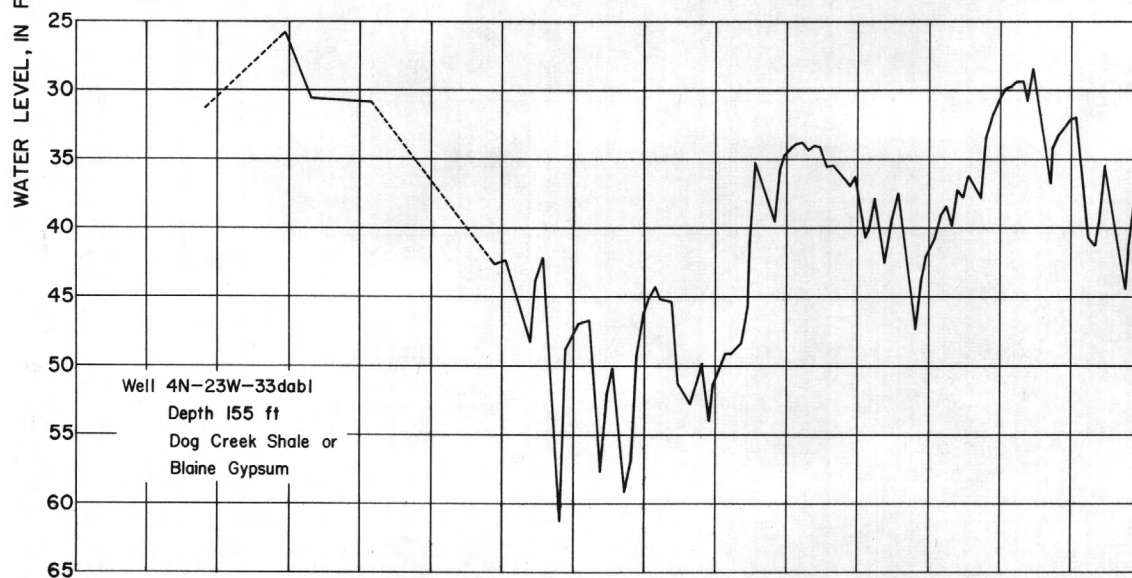
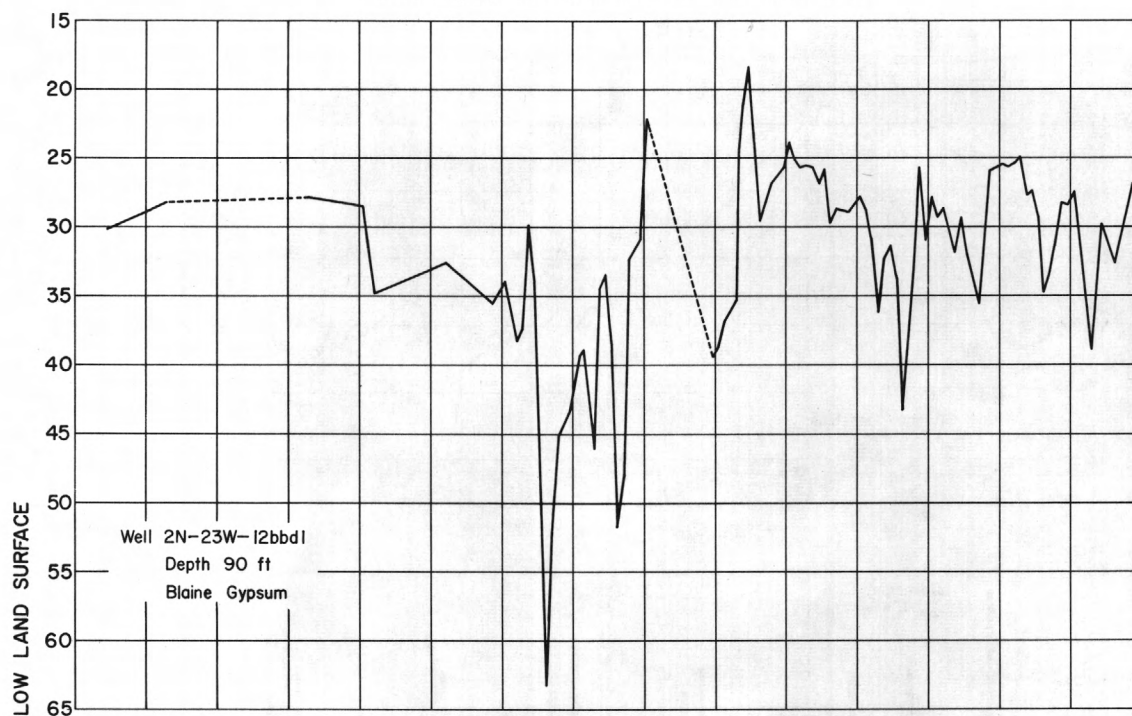


Figure 10.--Hydrograph of a well in Tillman County and monthly precipitation at Frederick

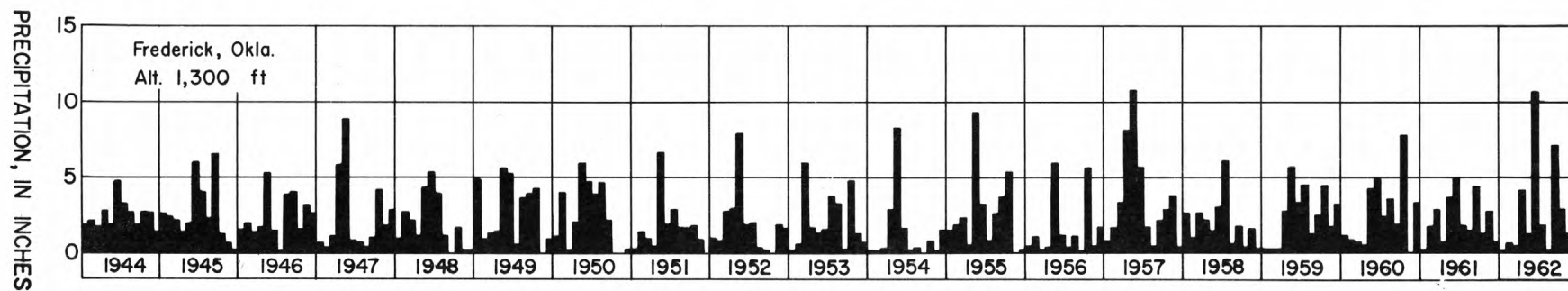
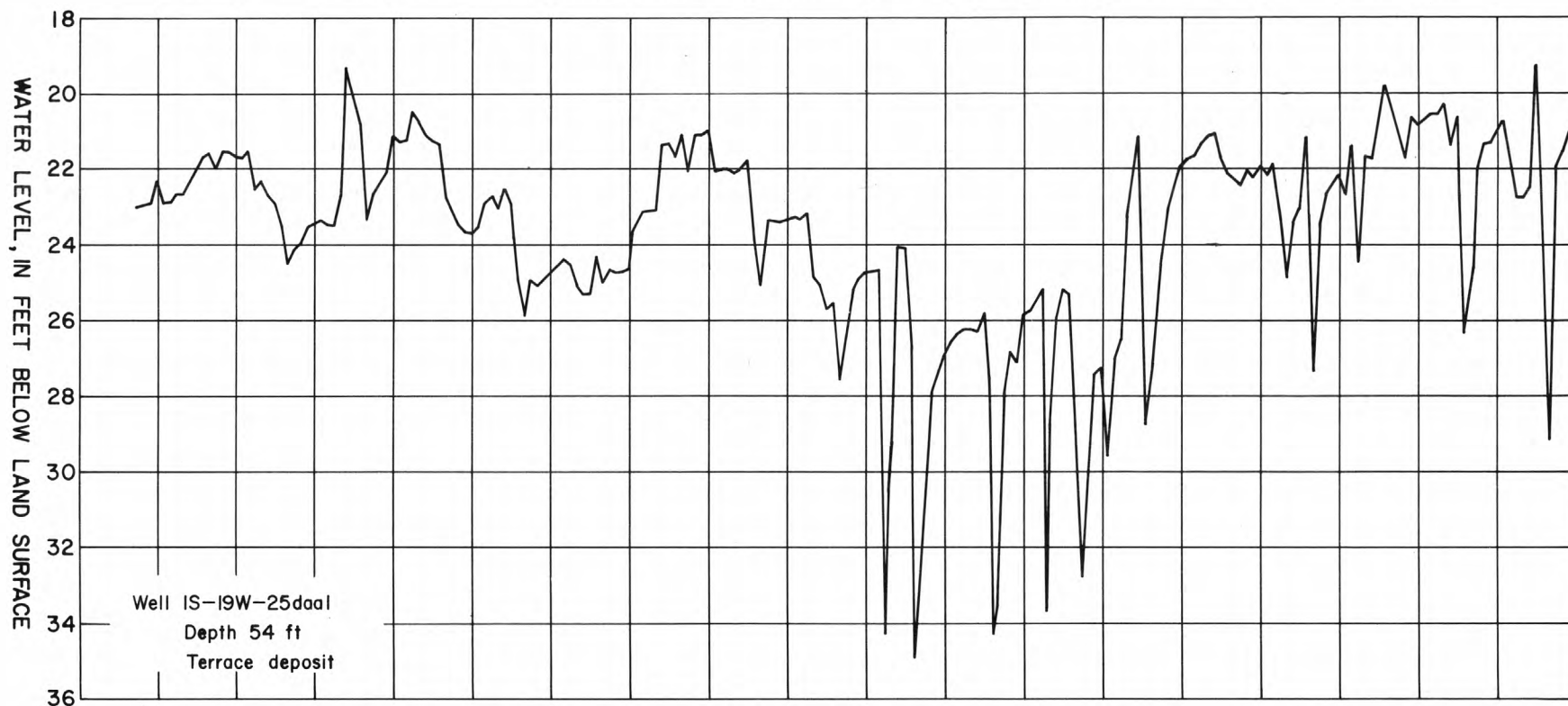


Figure 11.--Hydrograph of a well in Cleveland County and monthly precipitation at Norman

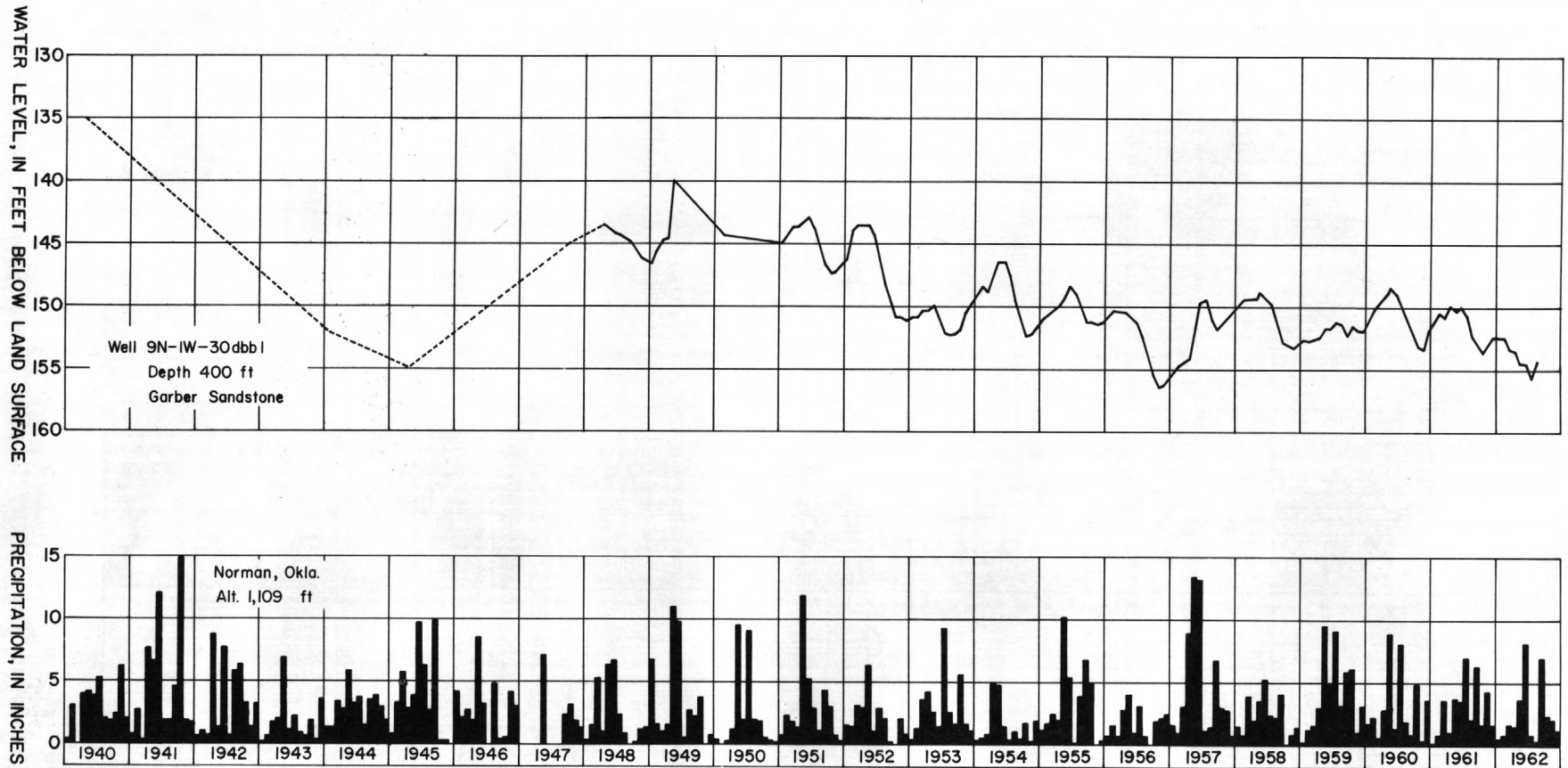


Figure 12.--Hydrograph of a well in Oklahoma County and monthly precipitation at Oklahoma City

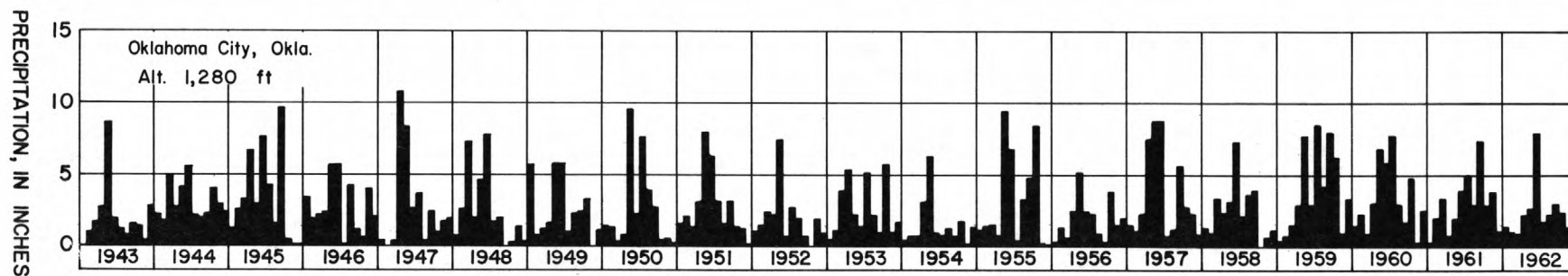
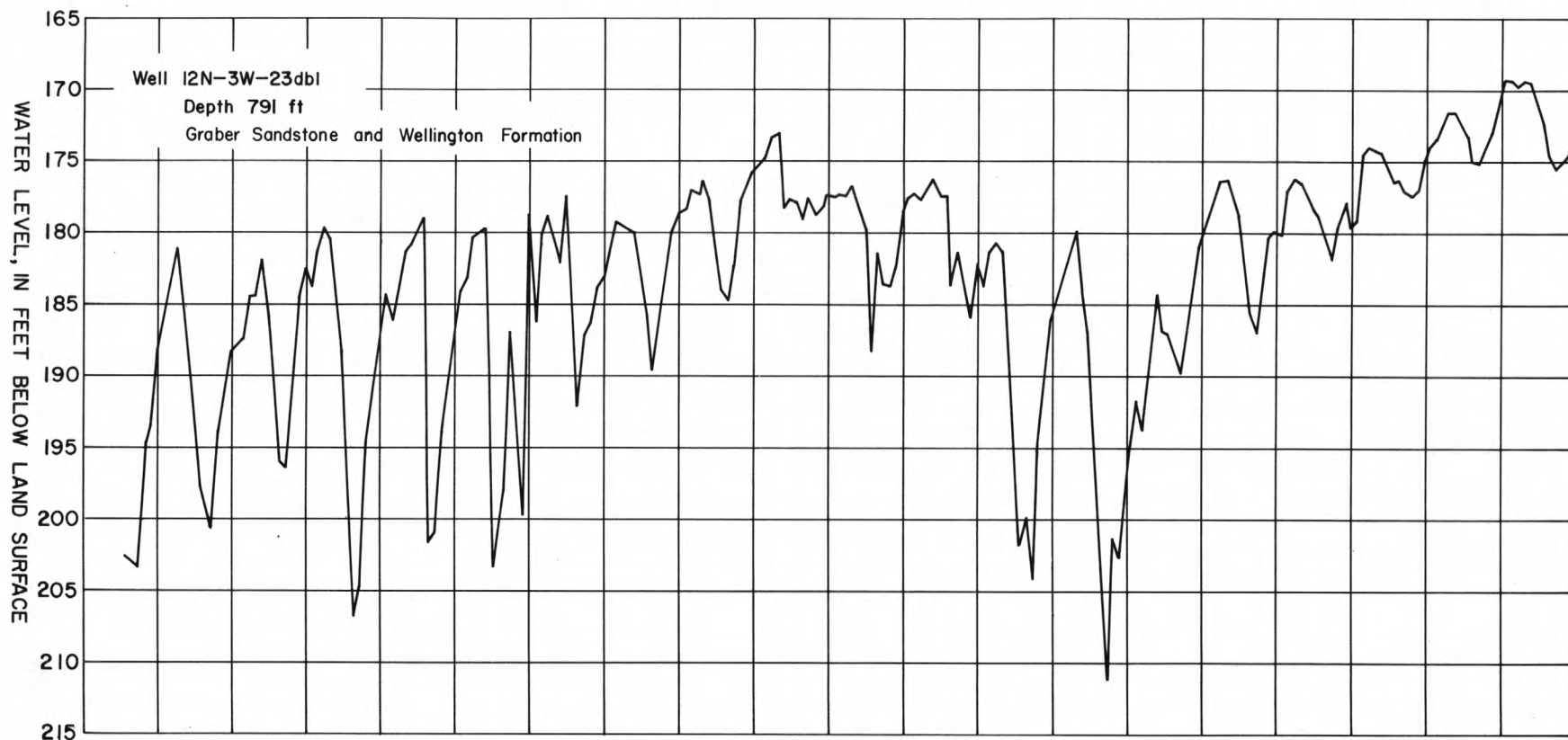
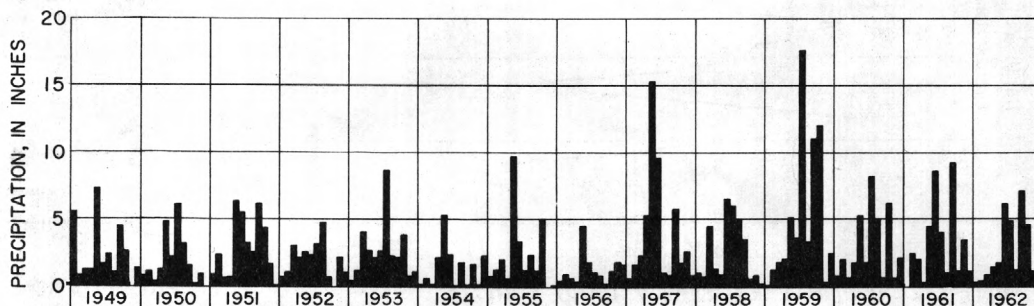
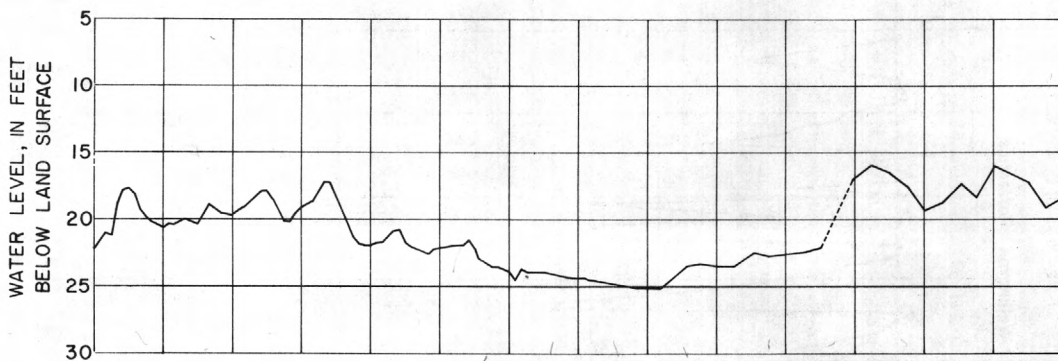
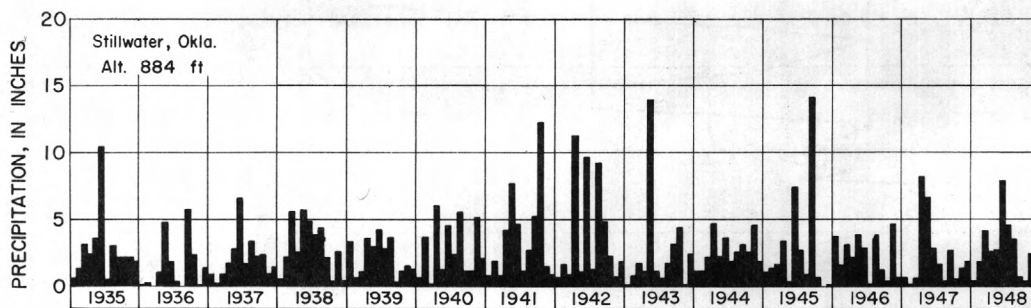
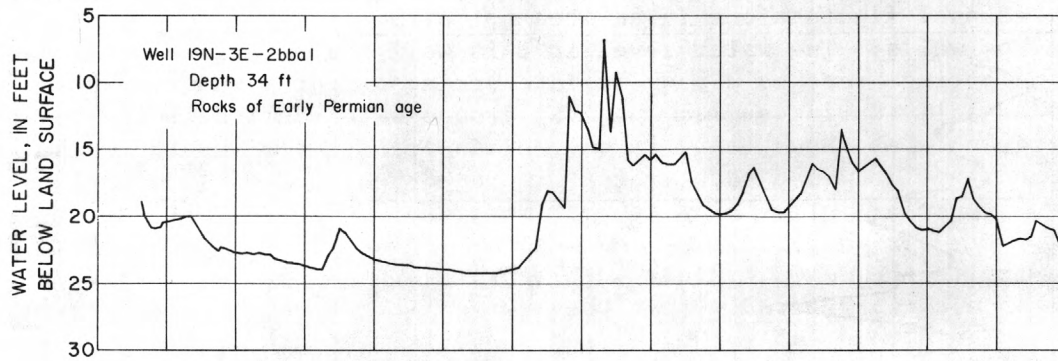


Figure 13.--Hydrograph of a well in Payne County and monthly precipitation at Stillwater



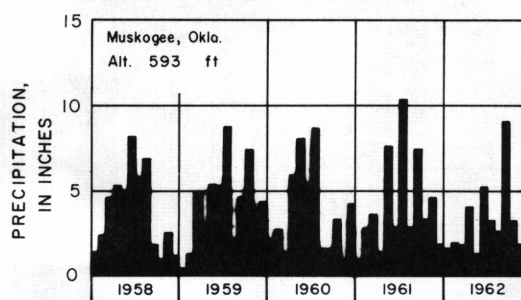
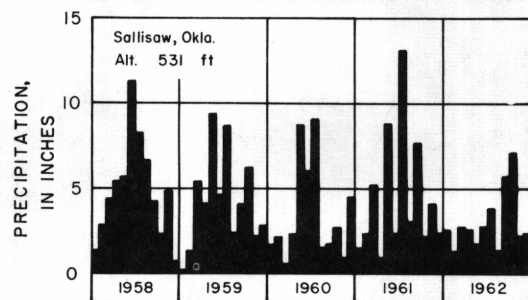
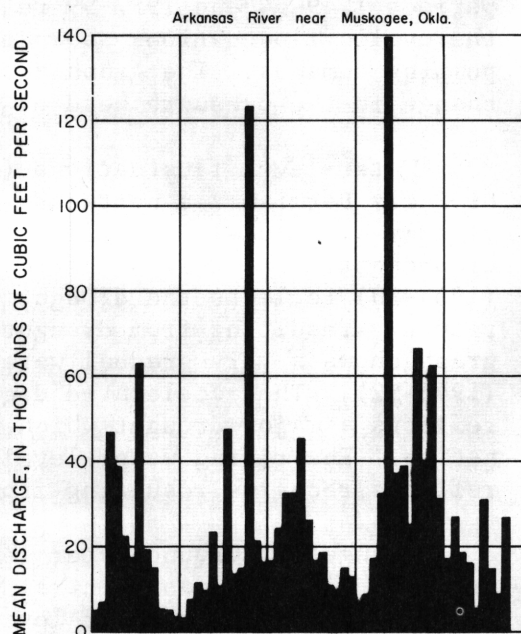
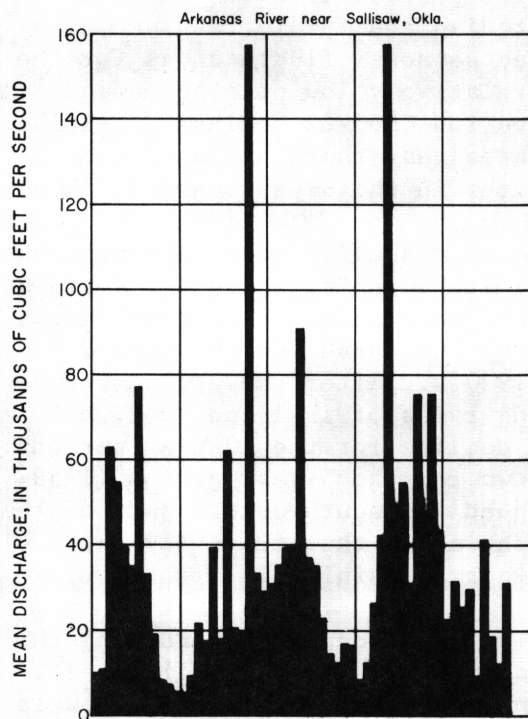
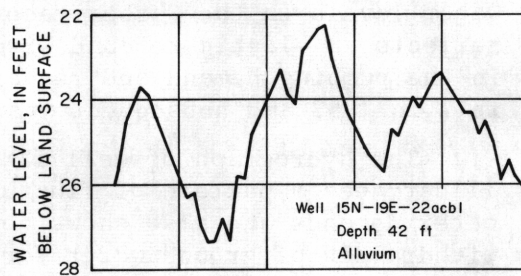
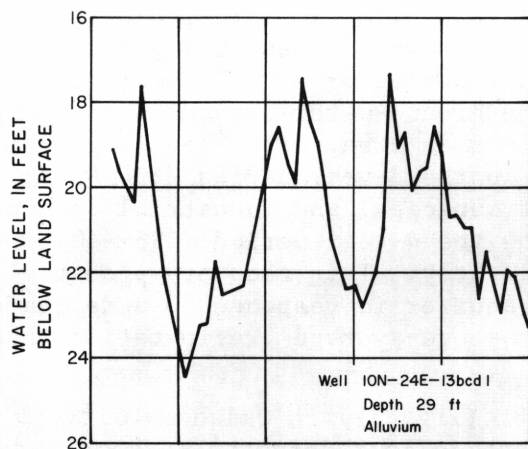
The hydrograph of well 9N-1W-30bdl (fig. 12), near Norman illustrates seasonal fluctuations in an area not directly affected by pumping from wells. The water level in this well rises during the winter and spring, reaches a peak in late spring or early summer, and declines steadily during summer when the ground-water demand is greatest. The hydrograph also shows that, in the Norman area, water levels in the Garber Sandstone declined about 9 feet in the 8-year period (1949-56), probably as a result of pumping to meet municipal and industrial demands during the dry period (1950-56). During the 4-year period (1957-60) water levels in the Garber recovered slightly. This recovery probably reflects an elastic rebound within the aquifer in response to a decrease in the pumping demand and recharge from above-average precipitation that fell in 1957 and subsequent years.

The hydrograph of well 12N-3W-23dbl (fig. 12) in Oklahoma City, illustrates a pattern of fluctuation that follows definite seasonal water demands and also shows how an artesian aquifer responds to large withdrawals of ground water for municipal and industrial use. The exaggerated seasonal fluctuations for the periods 1943-48 and 1955-56 reflect pressure changes within the artesian aquifer in response to heavy pumping demands. Less exaggerated seasonal fluctuations for the periods 1949-54 and 1957-59 reflect a relatively low pumping demand, and the cyclic fluctuations shown for the period 1960-62 reflect negligible pumping demands. The graph also indicates that there has been little change in the pressure head of the aquifer in the 9-year period (1944-62).

Water-level fluctuations (fig. 13) in a shallow well tapping rocks of Early Permian age northeast of Stillwater, in Payne County, correlate closely with local rainfall. The hydrograph also reflects the effects of drought. The declining trend shown by the curve for the period (1935-50) reflects the drought of the 1930's. After the ground-water recovery resulting from drought-breaking rains of 1941 and 1942, the graph shows a very gradual water-level decline for the 10-year period (1943-52). The accelerated decline shown for the 5-year period (1952-56) reflects a major drought which had plagued the southwestern part of the nation. The rising water-level trend shown for the period (1957-62) reflects recharge resulting from above-normal rainfall.

Changes of ground-water levels in alluvial deposits bordering the Arkansas River in east-central Oklahoma are illustrated in figure 14. The graphs show that water-level fluctuations in the alluvial deposits are controlled largely by local precipitation and by river stage. The graphs for the area near Sallisaw (fig. 14) best illustrate how water in a shallow ground-water reservoir, which is hydraulically connected to a perennial stream, fluctuates in response to changes in stream discharge.

Figure 14.--Hydrographs of two wells in the Arkansas River valley, graphs showing mean monthly discharge of the Arkansas River near Muskogee and Sallisaw, and monthly precipitation at Muskogee and Sallisaw



Water-level fluctuations in a deep well tapping a thick limestone sequence in the Arbuckle Mountain region are shown on figure 15. Water-level changes recorded for well 1N-6E-4cad1 (fig. 15) correlate closely with the mean-monthly discharge of Byrds Mill Spring (fig. 15), which indicates that the spring serves as an important natural spillway for water stored in the limestone. The hydrograph (fig. 15) shows that water levels do not fluctuate in response to local precipitation. However, local rain, and the resulting storm runoff, are the principal sources of recharge, and the effects of such recharge is rapid when water levels are high. Under such conditions, the fractures and solution openings that form the ground-water reservoir are nearly full and the addition of more water results in rapid rise in the water level. Conversely, when water levels are low, the moisture content of the soil zone has been depleted, and many of the rock openings have been drained. Hence, recharge resulting from precipitation and runoff may not be reflected until some future time when the soil-moisture requirement has been satisfied and the rock openings intersected by the observation well have started to fill.

Water-level fluctuations in extreme southern and southeastern Oklahoma are shown on figures 16 and 17. Figure 17 shows the general water-level trend in a deep well near Durant. The graph indicates that water levels in the deep aquifer have recovered about 22 feet in the 9-year period of record (1954-62). This recovery probably reflects a natural increase of pressure within the aquifer after the city of Durant changed from ground water to surface water as a source of water supply.

Water-level trends in an important artesian aquifer (Paluxy Sand) in McCurtain County are shown on figure 17. The hydrograph indicates that water levels have lowered about 8 feet during the period of record (1951-62). Because in artesian aquifers water-level changes reflect changes in pressure, the steady decline suggests that ground-water discharge has been fairly constant. According to Davis (1960, p. 79), the Artesian aquifer in this part of the county is relatively undeveloped and is utilized only by small towns and local lumber mills. He (p.31) reports that at least three wells, which tap the aquifer, have been flowing to waste since 1908. Hence, it seems reasonable to believe that the decline has been caused by local pumpage and water flowing to waste from old unused artesian wells.

Figure 15.--Graphs showing water-level fluctuations in a well, mean-monthly discharge of Byrds Mill Spring, and monthly precipitation at Pontotoc

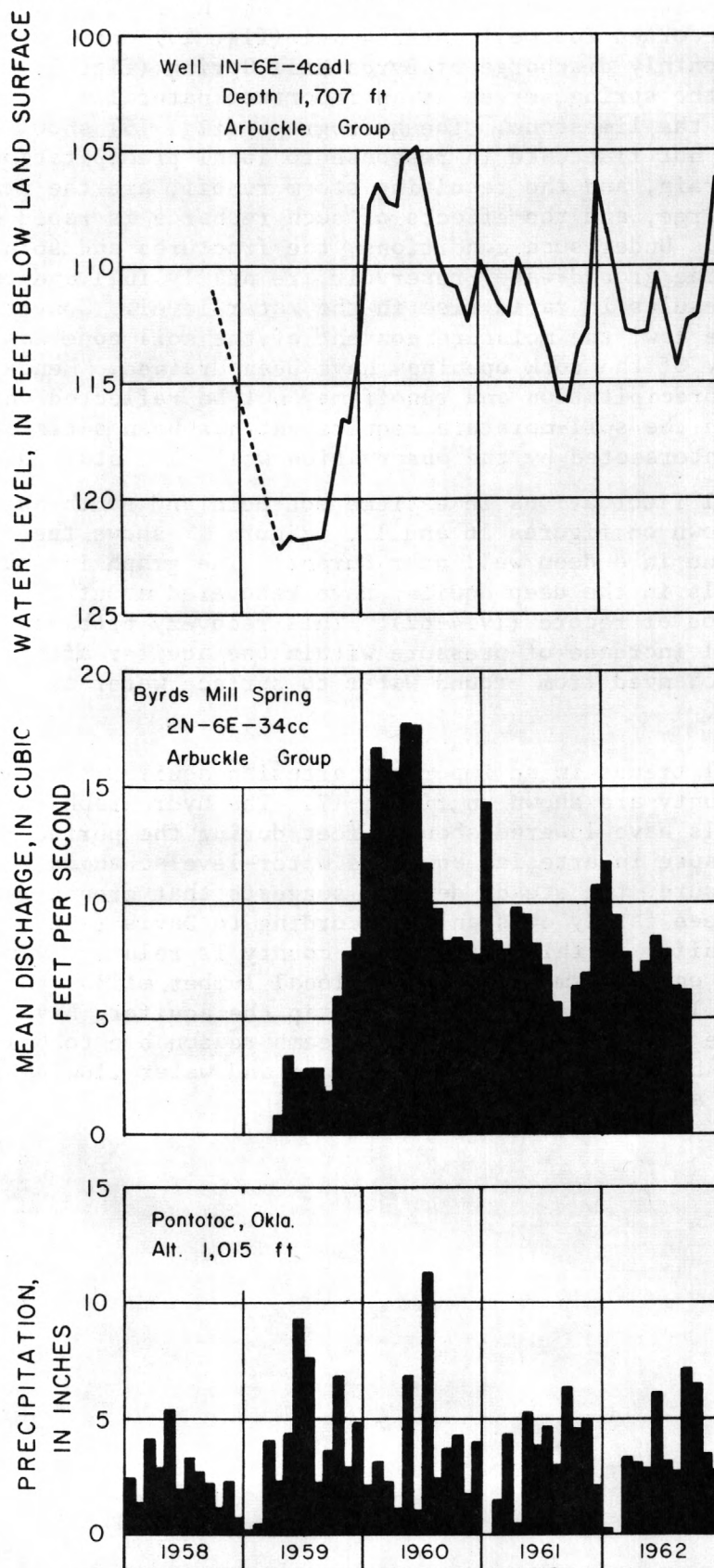


Figure 16.--Hydrograph of a well in Bryan County and monthly precipitation at Durant

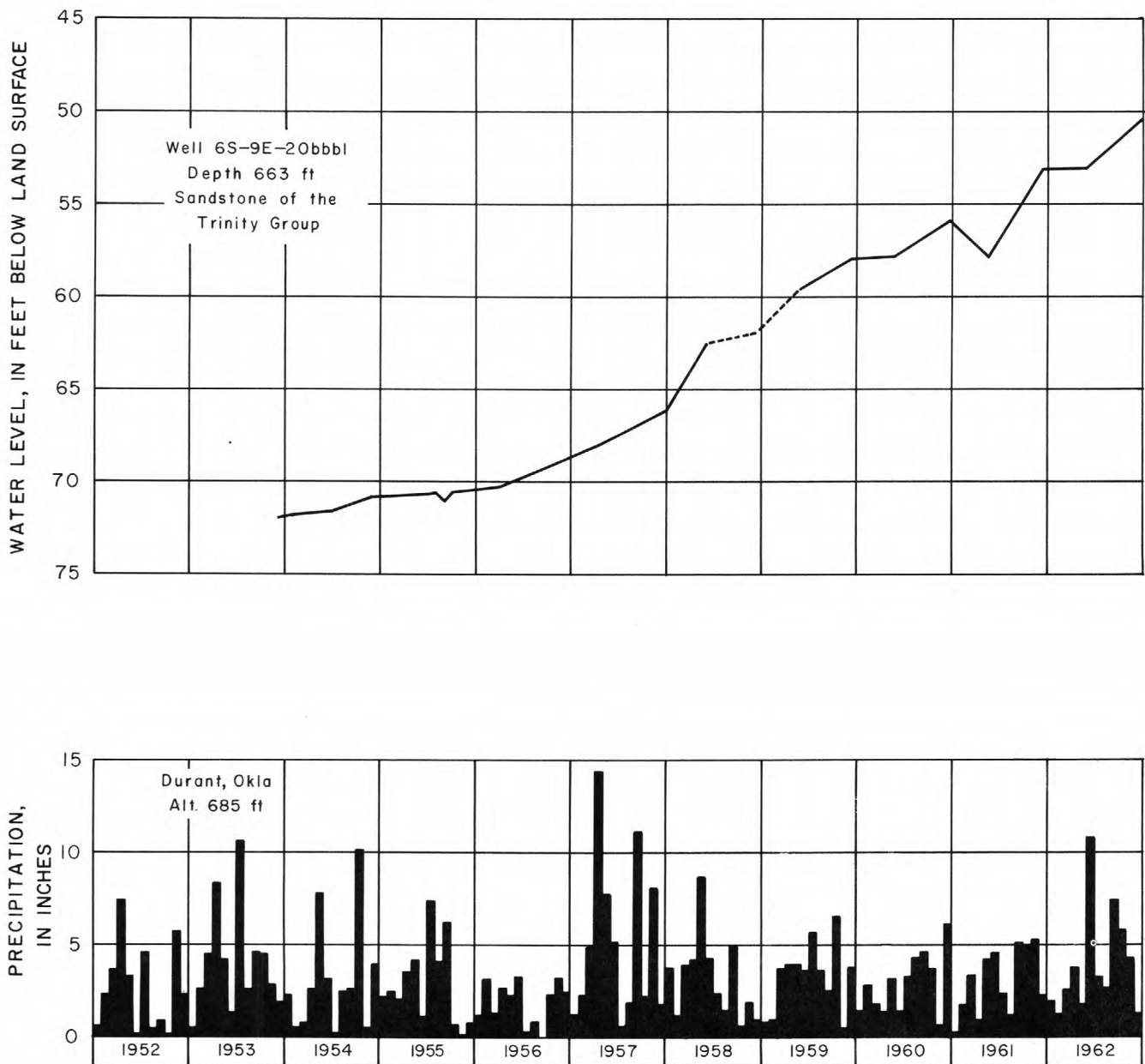
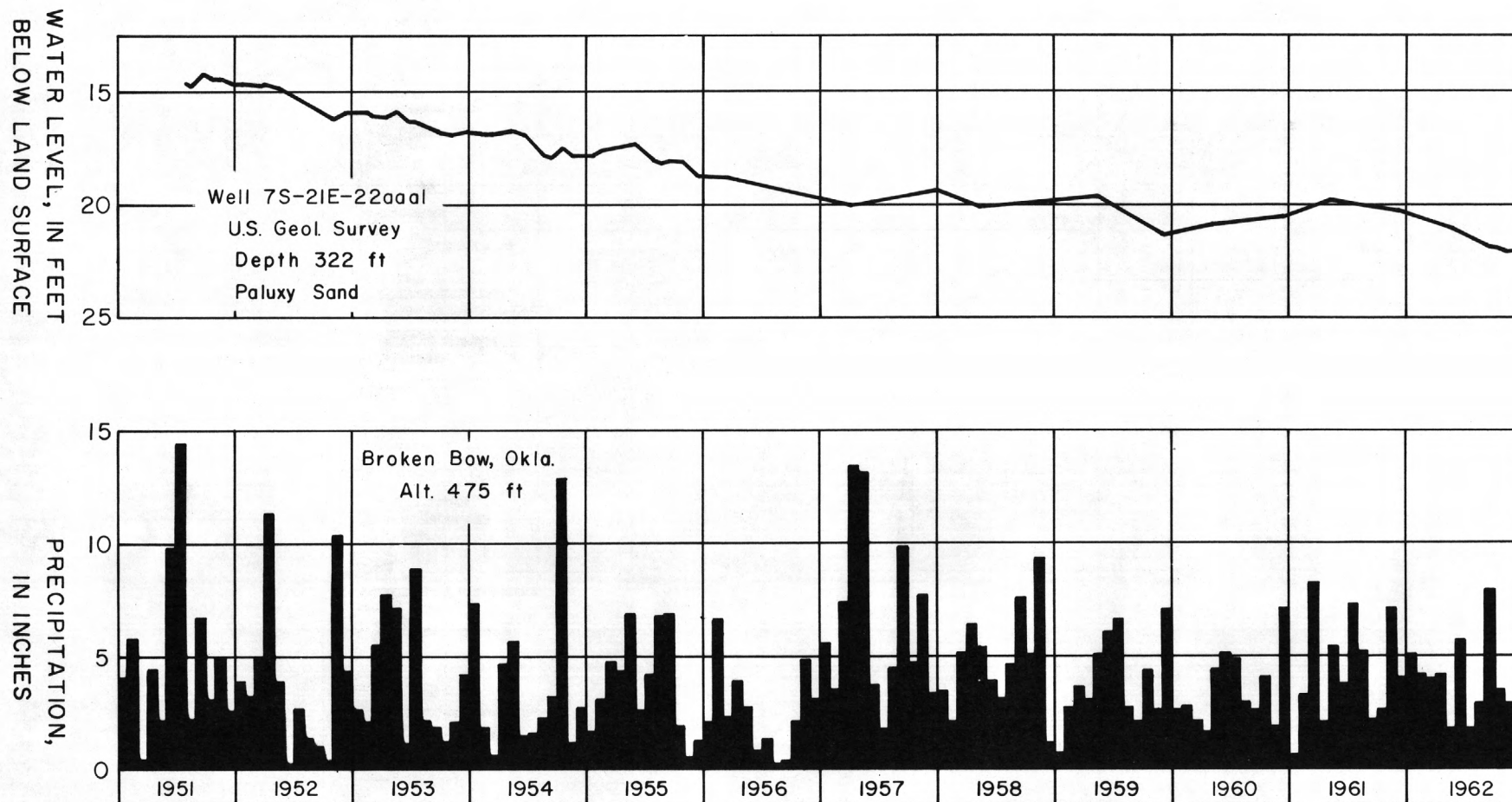


Figure 17.--Hydrograph of a well in McCurtain County and monthly precipitation at Broken Bow



Summary

Ground-water levels in most parts of Oklahoma remained high during 1961 and 1962. In most areas water levels continued the upward trend which began after the drought-breaking rains of 1957. (See figs. 4 through 17). The high water levels reflect the above-normal precipitation that has occurred in the State during the past few years (1957-62). In many areas water levels reflect seasonal trends due primarily to the seasonal requirements of man and nature. During the summer man uses great amounts of water to meet municipal, industrial, and agricultural requirements; and nature during this same period, uses large quantities of water to satisfy the demands of trees, brush, and other types of vegetation, and to offset losses resulting from evaporation and transpiration. Water levels recover during late autumn, winter, and early spring when the requirements of man and nature are at a minimum; and when precipitation is adequate, as in 1961 and 1962 (table 2) water levels continue to rise until the large seasonal demands of man and nature cause a reversal in the trend and levels start to decline.

References cited

- Davis, L. V., 1960, Geology and ground-water resources of southern McCurtain County, Oklahoma: Oklahoma Geol. Survey Bull. 86, 80 p.
- Hart, D. L., Jr., 1961, Fluctuations of water levels in wells, in Oklahoma Geology Notes: Oklahoma Geol. Survey, vol. 21, no. 2 p. 41-47.
- Marine, I. W., 1962, Correlation of water-level fluctuations with climatic cycles in the Oklahoma Panhandle: U.S. Geol. Survey Water-Supply Paper 1669-K, 10 p.

Records of water levels

Records of ground-water levels for the 2-year period 1961-62 are given in table 3. Previously unpublished water levels, recorded before 1961, for some of the wells listed in the above table are shown in table 4.

Measurements of depth to water in observation wells are given in table 3, with reference to land-surface datum, a precise datum plane that corresponds approximately to the land surface near each well. The measurements are made from a fixed measuring point at the top of the well and a short distance above or below land-surface datum. The measurements then are adjusted so that the depths to water are reported in feet below the land-surface datum.

Information for each well in table 3 is given in accordance with the following example for well 1N-26E-5ddc1 in Beaver County (p. 27): well number (1N-26E-5ddc1) as described on page 2; location within the section ($SW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$); owner (R. A. Phillips); depth (102 feet); lsd (2,539 feet); aquifer or water-bearing formation (Ogallala Formation); highest water level during period of record and date (88.03 feet below land surface, May 4, 1960); lowest water level during period of record (95.64 feet below land surface, Oct. 13, 1939); period of record during which measurements have been made (1939, 1957-62).

For wells equipped with automatic water-level recorders water levels are reported in table 3 for the 5, 10, 15, 20, 25, and end of the month (eom). The water level in the table is the lowest water level for that day. For some wells no water level is given for some days or periods because the water-level recorders were not operating.

Footnotes were used in table 4 to indicate the following: a, well being pumped when visited for measurement; c, nearby well pumping when observation well was measured; e, estimated depth to water; f, observation well dry when measured; h, tape measurement included with other water levels obtained by automatic water-level recorders; eom, end of month; lsd, land-surface datum, in feet above mean sea level.

Table 3.--Descriptions of observation wells and water levels

for the 2-year period 1961-62

BEAVER COUNTY

1961	1962
<u>1N-20E-16cdd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Ogallala Formation. Highest, 101.16, Jan. 13, 1958; lowest, 103.84, June 9, 1958. Records: 1956-62.	
May 22 103.64	May 2 103.73
<u>1N-23E-14dad1.</u> SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, R. D. Hall. Depth, 169 ft. Lsd, 2,797. Ogallala Formation. Highest, 158.56, May 30, 1957; lowest, 162.73, May 2, 1962. Records: 1947-62.	
May 22 161.13	May 2 162.73
<u>1N-24E-23ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, State of Oklahoma. Depth, 154 ft. Lsd, 2,739. Ogallala Formation. Highest, 133.20, Aug. 10, 1956; lowest, 137.28, Aug. 30, 1939. Records: 1939; 1956-62.	
May 22 133.64	May 2 134.32
<u>1N-26E-5ddc1.</u> SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, R. A. Phillips. Depth, 102 ft. Lsd, 2,539. Ogallala Formation. Highest, 88.03, May 4, 1960; lowest, 95.64, Oct. 13, 1939. Records: 1939; 1957-62.	
May 22 88.16	May 2 91.72
<u>1N-27E-34bba1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Ogallala Formation. Highest, 117.17, April 15, 1958; lowest, 166.12, Aug. 6, 1956. Records: 1956-61.	
May 22 144.63	
<u>1N-28E-22dad1.</u> SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Ogallala Formation. Highest, 52.28, Sept. 24, 1957; lowest, 55.71, Nov. 28, 1956. Records: 1956-60.	
No measurements in 1961 or 1962.	
<u>2N-21E-22dcd1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Ogallala Formation. Highest, 182.53, May 2, 1960; lowest, dry at 192, May 2, 1962; Records: 1956-62.	
May 22 182.73	May 2 f192

1961					1962						
<u>2N-23E-13dad1.</u> SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 14 ft. Lsd, 2,582. Alluvium. Highest, 6.79, June 10, 1956; lowest, 9.11, May 18, 1948. Records: 1946-62.											
May	2	7.94			May	2	7.77				
<u>2N-24E-7ccd1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, James W. Parker. Depth, 94 ft. Ogallala Formation. Highest, 75.29, May 19, 1952; lowest, 77.20, Oct. 5, 1956. Records: 1946-62.											
Jan.	4	76.71	July	17	76.28	Mar.	19	75.63	Aug.	13	75.74
Feb.	16	75.44	Aug.	17	75.57	Apr.	25	75.56	Sept.	17	75.88
Apr.	5	75.33	Sept.	28	75.72	May	2	75.62	Dec.	17	75.54
June	7	76.04	Dec.	26	75.86	July	9	75.66			
<u>2N-26E-24dcc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Depth, 71 ft. Ogallala Formation. Highest, 43.23, May 31, 1952; lowest, 48.54, Jan. 17, 1958. Records: 1951-62.											
May	22	46.98			May	2	47.92				
<u>3N-23E-6dcd1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Depth, 86 ft. Terrace deposit. Highest, 77.24, Feb. 27, 1957; lowest, dry at 81, May 2, 1962; Records: 1956-62.											
No measurements in 1961					May	2	81.00f				
<u>3N-26E-10aab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, George H. Batten. Depth, 44 ft. Lsd, 2,369. Ogallala Formation. Highest, 19.80, May 19, 1952; lowest 29.59, Jan. 30, 1940. Records: 1938-42; 44-47; 49; 54-55; 58-62.											
May	22	20.55			May	4	21.49				
<u>3N-26E-12bba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Federal Land Bank. Depth, 47 ft. Lsd, 2,355. Laverne Formation. Highest, 35.65, May 19, 1952; lowest, 40.30, Jan. 28, 1941. Records: 1938-54; 56-62.											
May	22	37.08			May	4	38.05				
<u>4N-24E-7dbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Southwestern Public Service Co. Depth, 34 ft. Alluvium. Highest, 2.98, Jan. 24, 1949; lowest, 17.70, Oct. 26, 1956. Records: 1939-62.											
Feb.	27	15.86	May	31	14.90	No measurements in 1962					
Mar.	27	15.63	June	30	15.11						
Apr.	30	14.53									

1961	1962
------	------

4N-24E-24ccc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Frances M. Hancock. Depth, 34 ft. Lsd, 2,378. Highest, 21.01, Oct. 28, 1941; lowest, 24.38, June 10, 1958. Records: 1938-46; 48-62.

May 22 22.34

May 4 22.49

4N-24E-30bbc1. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Mrs. Ellen F. Williams. Depth, 73 ft. Lsd, 2,493. Rocks of Permian age. Highest, 38.30, Dec. 17, 1958; lowest, 64.54, Sept. 11, 1956. Records: 1938-51; 1955-62.

No measurements in 1961 or 1962

4N-28E-6ada1. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, H. H. Holtkamp. Depth, 70 ft. Terrace deposit. Highest, 54.76, Apr. 7, 1958; lowest, 58.52, June 15, 1940. Records: 1940; 1956-62.

No measurements in 1961

May 3 58.05

4N-28E-26dda1. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Clarence Lamaster. Depth, 38 ft. Alluvium. Highest, 3.58, Sept. 25, 1957; lowest, 9.19, July 23, 1956. Records: 1956-62.

May 12 6.48

May 3 6.42

5N-20E-2cdd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, J. C. Peters. Depth, 171 ft. Lsd, 2,773. Ogallala Formation. Highest, 139.83, Aug. 17, 1961; lowest, 168.04, Apr. 3, 1939. Records: 1938-62.

Jan. 4	140.92	Aug. 17	139.83
Feb. 13	140.67	Sept. 28	140.83
Apr. 3	140.20	Oct. 16	140.33
May 15	140.18	Nov. 27	141.63
June 7	140.72	Dec. 26	142.56
July 17	140.36		

Jan. 24	141.54	Aug. 13	142.78
Feb. 19	139.70	Sept. 17	141.74
Mar. 14	141.87	Oct. 8	137.50
Apr. 25	142.53	Nov. 16	141.04
May 4	142.06	Dec. 17	142.83
July 9	142.33		

5N-20E-30ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Depth, 133 ft. Ogallala Formation. Highest, 104.85, May 2, 1960; lowest, 112.32, May 20, 1951. Records: 1951-53; 1955-62.

May 10 105.36

Measurement discontinued.

5N-21E-12ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, A. J. Isaac. Depth, 208 ft. Lsd, 2,705. Ogallala Formation. Highest, 181.53, Nov. 24, 1958; lowest, 192.41, Nov. 26, 1938. Records: 1938-62.

Jan. 4	183.70	Aug. 17	182.61
Feb. 13	183.68	Sept. 28	182.59
Apr. 3	183.53	Oct. 16	182.68
May 15	182.99	Nov. 27	182.76
June 7	182.73	Dec. 26	182.82
July 17	182.84		

Jan. 24	183.08	Aug. 13	181.98
Feb. 19	183.55	Sept. 17	182.36
Mar. 14	183.59	Oct. 8	182.98
Apr. 25	183.39	Nov. 16	183.03
May 4	183.33	Dec. 17	182.66
July 9	181.64		

1961	1962
<p><u>5N-22E-20aac1.</u> SW$\frac{1}{4}$NE$\frac{1}{4}$NE$\frac{1}{4}$. Owner, Minnie B. Dorman. Depth, 186 ft. Lsd, 2,678. Ogallala Formation. Highest, 160.93, June 8, 1955; lowest, 169.44, Nov. 20, 1938. Records: 1938-62.</p>	
May 12 160.76	May 4 161.13
<p><u>5N-24E-8ccc1.</u> SW$\frac{1}{4}$SW$\frac{1}{4}$SW$\frac{1}{4}$. Owner, Gilbert Hodges. Depth, 72 ft. Lsd, 2,530. Rocks of Quaternary age. Highest, 43.41, May 27, 1953; lowest, 52.79, Jan. 27, 1941. Records: 1938-62.</p>	
May 12 45.79	May 3 45.52
<p><u>5N-24E-30ccb1.</u> NW$\frac{1}{4}$SW$\frac{1}{4}$SW$\frac{1}{4}$. Owner, Arthur Williams. Depth, 16 ft. Lsd, 2,474. Rocks of Quaternary age. Highest, 4.05, Apr. 22, 1952; lowest, 9.48, Sept. 23, 1939. Records: 1938-62.</p>	
May 12 7.08	May 3 5.37
<p><u>5N-25E-4bac1.</u> SW$\frac{1}{4}$NE$\frac{1}{4}$NW$\frac{1}{4}$. Owner, Tom A. Judy. Depth, 200 ft. Ogallala Formation. Highest, 52.09, June 6, 1957; lowest, 55.29, Nov. 26, 1956. Records: 1950; 1956-62.</p>	
May 12 54.10	May 4 54.24
<p><u>5N-27E-9add1.</u> SE$\frac{1}{4}$SE$\frac{1}{4}$NE$\frac{1}{4}$. Owner, Alice Schampel. Depth, 100 ft. Ogallala Formation. Highest, 54.51, Feb. 5, 1957; lowest, 62.13, Apr. 4, 1940. Records: 1940; 1956-62.</p>	
May 12 59.19	May 3 60.21
<p><u>6N-21E-15cdd1.</u> SE$\frac{1}{4}$SE$\frac{1}{4}$SW$\frac{1}{4}$. Owner, Isabelle Bay. Depth, 208 ft. Lsd, 2,740. Ogallala Formation. Highest, 187.33, May 2, 1960; lowest, 201.67, June 21, 1940. Records: 1940; 1956-62.</p>	
May 12 188.29	May 4 188.54
<p><u>6N-23E-24aad1.</u> SE$\frac{1}{4}$NE$\frac{1}{4}$NE$\frac{1}{4}$. Owner, Robert F. LeCrone. Depth, 197 ft. Lsd, 2,545. Ogallala Formation. Highest, 58.91, May 19, 1950; lowest, 77.08, Nov. 26, 1938. Records: 1938-62.</p>	
May 12 69.54	May 4 69.36
<p><u>6N-24E-20dcb1.</u> NW$\frac{1}{4}$SW$\frac{1}{4}$SE$\frac{1}{4}$. Owner, Harry McAdams. Depth, 36 ft. Lsd, 2,449. Rocks of Quaternary age. Highest, 12.57, May 19, 1950; lowest, 30.62, Jan. 27, 1941. Records: 1938-62.</p>	
May 12 25.70	May 4 24.31

BECKHAM COUNTY

1961				1962							
<u>8N-23W-15bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Depth, 52 ft. Rocks of Permian age. Highest, 24.27, June 26, 1962; lowest, 42.25, Apr. 3, 1957. Records: 1952-62.											
Jan.	17	32.40	Nov.	14	28.73	Jan.	31	29.22	May	25	32.99
Feb.	14	31.08	Dec.	5	28.72	Mar.	7	31.13	June	26	24.27
						Mar.	29	31.83	Aug.	29	25.60
						Apr.	26	32.40			
<u>8N-24W-2ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Mrs. C. E. Waters. Depth, 29 ft. Terrace deposit. Highest, 11.39, Sept. 26, 1962; lowest, dry at 29, Apr. 3, 1957. Records: 1952-62.											
Jan.	17	17.83	Aug.	1	14.69	Jan.	31	16.20	Sept.	26	11.39
Feb.	14	17.96	Sept.	6	15.85	Mar.	7	16.40	Nov.	14	12.18
Mar.	14	18.04	Sept.	26	16.14	Mar.	29	16.67			
Apr.	19	16.94	Oct.	25	16.65	Apr.	26	16.78			
May	17	17.10	Nov.	14	16.00	May	24	16.69			
June	21	13.71	Dec.	5	15.80	June	26	12.22			
July	12	14.13				Aug.	29	12.57			
<u>9N-23W-9bcb1.</u> NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 24 ft. Alluvium. Highest, 11.49, Aug. 1, 1961; lowest, dry at 24, July to Dec., 1954. Records: 1953-62.											
Jan.	17	13.23	Aug.	1	11.49	Jan.	31	13.44	June	26	14.16
Mar.	14	12.95	Sept.	6	14.07	Mar.	7	13.59	Aug.	29	14.68
Apr.	19	12.08	Sept.	26	13.98	Mar.	29	13.45	Sept.	26	13.96
May	17	12.28	Oct.	25	14.08	Apr.	26	13.36	Oct.	17	13.55
June	21	11.96	Nov.	14	13.77	May	24	13.54	Nov.	14	13.23
July	12	12.09	Dec.	5	13.58						
<u>9N-25W-19ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Depth, 36 ft. Terrace deposit. Highest, 17.96, May 7, 1952; lowest, 23.72, Nov. 28, 1956. Records: 1951-62.											
Jan.	17	18.17	July	12	18.14	Feb.	1	19.60	Aug.	29	18.71
Feb.	14	18.62	Aug.	1	18.36	Mar.	8	19.33	Nov.	14	18.58
Mar.	14	18.62	Sept.	7	18.95	Mar.	29	19.34			
Apr.	19	18.15	Sept.	27	19.23	Apr.	26	19.23			
May	17	18.14	Oct.	25	19.73	May	24	19.17			
June	21	18.14	Dec.	6	19.77	June	26	19.05			

1961				1962			
------	--	--	--	------	--	--	--

9N-25W-31bcb1. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Depth, 35 ft. Terrace deposit. Highest, 8.26, Sept. 26, 1962; lowest, 21.00, Sept. 19, 1956. Records: 1951-62.

Jan. 17	11.80	Aug. 1	10.47	Feb. 1	14.50	Sept. 26	8.26
Mar. 14	11.18	Sept. 7	14.82	Mar. 8	14.54	Nov. 14	11.14
Apr. 19	11.46	Sept. 27	14.23	Apr. 26	14.65		
May 17	8.22	Oct. 25	14.59	May 24	13.70		
June 21	9.14	Nov. 15	14.23	June 26	9.59		
July 12	11.65	Dec. 6	14.32	Aug. 29	11.74		

9N-25W-34bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, J. H. Hester. Depth, 79 ft. Terrace deposit. Highest, 39.07, Oct. 17, 1962; lowest, 51.77, Feb. 26, 1958. Records: 1951-62.

Jan. 17	44.39	Aug. 1	42.93	Feb. 1	43.26	Sept. 26	41.32
Feb. 14	44.38	Sept. 7	42.95	Mar. 8	41.78	Oct. 17	39.07
Mar. 14	43.99	Sept. 27	42.94	Mar. 29	41.80	Nov. 14	40.10
Apr. 19	43.19	Oct. 25	43.13	Apr. 26	41.46		
May 17	42.98	Nov. 15	42.71	May 24	41.39		
June 21	42.63	Dec. 6	43.32	June 26	41.37		
July 12	42.47			Aug. 29	41.34		

9N-26W-8bc1. SW $\frac{1}{4}$ NW $\frac{1}{4}$. Depth, 63 ft. Terrace deposit. Highest, 55.70, Apr. 9, 1952; lowest, dry at 63, Sept. 27, 1961. Records: 1951-62.

Jan. 17	58.70	Aug. 1	58.37	Feb. 1	58.50	Aug. 29	57.27
Mar. 14	59.02	Sept. 27	f	Mar. 8	58.50	Sept. 26	56.52
Apr. 19	60.92	Oct. 25	58.23	Mar. 29	59.75	Oct. 17	57.11
May 17	58.74	Dec. 6	58.28	Apr. 26	58.71	Nov. 14	57.42
June 21	60.83			May 24	57.13		
July 12	59.45			June 26	56.89		

9N-26W-33bb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Edith Woolsey. Depth, 33 ft. Terrace deposit. Highest, 8.05, Sept. 13, 1962; lowest, 17.16, Feb. 27, 1957. Records: 1951-62.

Jan. 17	10.11	Aug. 1	8.28	Feb. 1	11.10	Aug. 29	8.79
Mar. 14	10.10	Sept. 7	9.46	Mar. 8	11.14	Sept. 26	8.05
Apr. 19	9.38	Sept. 27	10.05	Mar. 29	11.32	Oct. 17	14.10
May 17	9.55	Oct. 25	10.68	Apr. 26	11.27	Nov. 14	14.27
June 21	8.08	Nov. 15	10.64	May 24	10.35		
July 12	8.23	Dec. 6	10.85	June 26	8.26		

9N-26W-36cdc1. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Depth, 27 ft. Terrace deposit. Highest, 1.75, Apr. 19, 1960; lowest, 13.28, Sept. 19, 1956. Records: 1951-62.

Jan. 17	3.95	July 12	5.09	Feb. 1	7.30	June 26	3.62
Mar. 14	4.54	Sept. 27	7.79	Mar. 8	7.20	Well destroyed.	
Apr. 19	4.25	Oct. 25	8.14	Mar. 29	7.13		
May 17	5.79	Dec. 6	7.62	Apr. 26	7.24		
June 21	4.40			May 24	6.66		

1961				1962		
<u>12N-22W-26bcd1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 10 ft. Alluvium. Highest, +0.80, Dec. 13, 1960; lowest, 1.78, Jan. 19, 1961. Records: 1958-61.						
Jan	19	1.78	May	2	1.64	Well destroyed.
Feb.	22	1.20				
<u>12N-22W-26bcd2.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 16 ft. Alluvium. Highest, 2.90, Aug. 7, 1958; lowest, 10.42, Mar. 3, 1959. Records: 1958-62.						
Jan.	19	6.04	May	2	7.06	Well destroyed.
Feb.	22	6.58				

BLAINE COUNTY

1961				1962			
<u>16N-12W-26baa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 21 ft. Alluvium. Highest, 8.80, Mar. 21, 1960; lowest, 13.85, Nov. 3, 1957. Records: 1956-62.							
Mar. 29	9.16	Sept. 21	10.64	Mar. 15	9.39	Oct. 1	11.35
June 26	8.80	Dec. 27	9.17	June 18	9.00		
<u>16N-12W-27aba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Alluvium. Highest, 2.84, Mar. 21, 1960; lowest, 7.90, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	3.73	Sept. 21	5.32	Mar. 15	3.56	Oct. 1	6.19
June 26	3.28	Dec. 27	3.56	June 18	3.62		
<u>16N-12W-27aba2.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Alluvium. Highest, 7.28, Mar. 21, 1960; lowest, 11.78, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	8.25	Sept. 21	9.65	Mar. 15	8.22	Oct. 1	10.03
June 26	7.57	Dec. 27	8.35	June 18	8.05		
<u>16N-12W-27abb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Alluvium. Highest, 2.62, Sept. 13, 1958; lowest, 8.57, Dec. 28, 1956. Records: 1956-62.							
Mar. 29	3.29	Sept. 21	6.29	Mar. 15	5.47	Oct. 1	6.65
June 26	5.05	Dec. 27	5.78	June 18	4.23		
<u>16N-12W-27abb2.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 16 ft. Alluvium. Highest, 3.19, Mar. 11, 1957; lowest, 7.77, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	4.36	Sept. 21	6.19	Mar. 15	5.28	Oct. 1	6.34
June 26	5.56	Dec. 27	6.18	June 18	3.44		
<u>16N-12W-27abb3.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Alluvium. Highest, 5.07, Sept. 13, 1958; lowest, 9.89, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	5.53	Sept. 21	8.15	Mar. 15	7.27	Oct. 1	8.43
June 26	7.32	Dec. 27	7.75	June 18	5.70		
<u>16N-12W-27baa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Alluvium. Highest, 2.14, Sept. 13, 1958; lowest, 6.29, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	3.12	Sept. 21	4.68	Mar. 15	3.92	Oct. 1	5.00
June 26	4.00	Dec. 27	4.39	June 18	2.75		
<u>16N-12W-27bab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 21 ft. Alluvium. Highest, 10.64, June 26, 1961; lowest, 16.25, Mar. 4, 1957. Records: 1956-62.							
Mar. 29	12.20	Sept. 21	12.98	Mar. 15	12.20	Oct. 1	13.35
June 26	10.64	Dec. 27	12.36	June 18	12.08		

BRYAN COUNTY

1961					1962		
6S-9E-20bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, city of Durant. Depth, 663 ft. Trinity Sand. Highest, 53.03, May 28, 1962; lowest, 72.00, Dec. 1, 1953. Records: 1953-62.							
May	8	57.93	Dec.	4	53.19	May	28 53.03

CADDO COUNTY

1961			1962		
9N-12W-3aaa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Caddo Electric Cooperative. Lsd, 1,522. Rush Springs Sandstone. Well equipped with water-level recorder. Highest, 65.95, July 10, 1962; lowest, 72.20, Sept. 5, 1961. Records: 1957-62.					
Day	Jan.	July	Day	Jan.	June
5	67.53	.....	5	.....	65.98
10	67.51	.....	10	.....	66.03
15	67.49	.....	15	.....	65.95
20	67.51	.....	20	66.52	.....
25	67.71	.....	25	66.27	.....
eom	67.39	.....	eom	66.45	.....
	Feb.	Aug.		Feb.	Aug.
5	67.45	.....	5	66.35	.....
10	67.39	.....	10	66.44	67.27
15	67.50	.....	15	.....	67.46
20	.....	.....	20	.....	67.46
25	.....	70.95	25	66.41	67.71
eom	.....	71.19	eom	66.52	67.92
	Mar.	Sept.		Mar.	Sept.
5	.....	72.20	5	66.47	66.63
10	.....	71.84	10	66.08	66.62
15	67.22	.....	15	66.37	66.48
20	67.38	.....	20	66.00	66.61
25	67.27	.....	25	66.36	66.44
eom	67.34	.....	eom	66.24	.....
	Apr.	Oct.		Apr.	Oct.
5	67.43	.....	5	66.17	.....
10	67.34	70.84h	10	66.13	66.48
15	67.55	70.81	15	66.35	66.35
20	67.23	70.81	20	66.01	.....
25	67.39	71.08	25	66.18	.....
eom	67.13	70.71	eom	66.35	.....
	May	Nov.		May	Nov.
5	67.12	72.17	5	66.19	66.23
10	67.33	71.67	10	66.15	66.06
15	67.36	71.69	15	66.23	66.12
20	67.32	71.77	20	66.23	66.24
25	67.19	71.66	25	66.26	66.39
eom	67.27	.....	eom	66.16	66.26
	June	Dec.		June	Dec.
5	67.23	.....	5	66.14	66.29
10	.....	.....	10	66.17	66.31
15	.....	.....	15	66.03	66.04
20	.....	.....	20	66.18	66.14
25	.....	.....	25	66.17	66.28
eom	.....	.....	eom	66.13	65.98

1961				1962			
------	--	--	--	------	--	--	--

5N-12W-26acd1. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Hal Reddy. Depth, 20 ft. Rush Springs Sandstone. Highest, 9.58, May 28, 1954; lowest, 12.72, Oct. 14, 1960. Records: 1954-62.

Jan. 17	11.63	Aug. 9	11.67	Jan. 16	10.58	Oct. 10	11.55
Mar. 13	11.47	Sept. 11	11.97	Feb. 21	10.67	Nov. 4	11.51
Apr. 10	11.19	Oct. 11	10.94	June 27	9.74	Dec. 3	11.24
May 12	11.28	Nov. 7	10.76	July 27	10.47		
June 14	11.34	Dec. 7	10.54	Sept. 2	11.58		

9N-13W-22ddc1. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, C. A. McLemore. Depth, 28 ft. Rush Springs Sandstone. Highest, 4.39, June 5, 1957; lowest, 11.79, Sept. 15, 1956. Records: 1951-62.

Jan. 17	6.92	July 14	7.00	Jan. 16	6.79	July 27	7.77
Mar. 13	6.84	Aug. 9	7.08	Feb. 21	6.94	Sept. 2	8.43
Apr. 10	6.63	Nov. 7	6.66	May 4	7.47	Oct. 7	7.56
May 12	7.68	Dec. 7	6.40	May 30	7.87	Nov. 4	7.89
June 14	7.90			June 30	7.14	Dec. 3	7.86

9N-13W-28ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 335 ft. Lsd, 1,484. Rush Springs Sandstone. Highest, 34.71, Aug. 13, 1949; lowest, 41.43, Jan. 12, 1957. Records: 1948-62.

Jan. 17	38.61	Aug. 9	38.39	Jan. 16	38.02	Sept. 2	38.16
Mar. 13	38.78	Sept. 11	38.27	Feb. 21	37.89	Oct. 7	38.19
Apr. 10	38.80	Oct. 11	38.14	May 4	38.07	Nov. 4	39.10
May 12	38.84	Nov. 7	38.09	May 30	38.11	Dec. 3	38.16
June 14	39.08	Dec. 7	37.95	June 30	38.10		
July 14	38.63			July 27	38.07		

10N-12W-23bb2. NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Smith Grape Nursery. Depth, 288 ft. Rush Springs Sandstone. Highest, 60.35, Dec. 16, 1955; lowest, 69.91, Jan. 9, 1959. Records: 1955-62.

Jan. 17	65.10	Aug. 9	65.70	Jan. 16	65.12	Sept. 2	67.13
Mar. 13	64.61	Sept. 11	66.59	Feb. 21	64.32	Oct. 7	67.31
Apr. 10	64.27	Oct. 11	66.23	May 4	64.91	Nov. 4	66.89
May 12	65.12	Dec. 7	65.46	May 30	65.28	Dec. 3	66.58
June 14	65.37			June 26	64.92		

10N-13W-22da1. NE $\frac{1}{4}$ SE $\frac{1}{4}$. Depth, 36 ft. Lsd, 1,505. Rush Springs Sandstone. Highest, 33.50, Sept. 2, 1962; lowest, 32.86, Dec. 3, 1962. Records: 1962.

May 4	33.01	Sept. 2	33.50
May 30	33.02	Oct. 3	33.22
June 30	33.06	Nov. 4	32.99
July 27	33.07	Dec. 3	32.86

CANADIAN COUNTY

1961				1962			
<u>12N-5W-5da1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Lsd, 1,266. Highest, 1.47, Apr. 30, 1957; lowest 9.97, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	4.79	Dec. 27	4.36	Mar. 15	4.80	Oct. 1	4.44
June 26	4.67			June 18	2.37		
<u>12N-5W-5da2.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 25 ft. Lsd, 1,263. Alluvium. Highest, 1.67, June 18, 1962; lowest, 10.89, Feb. 20, 1957. Records: 1956-62.							
Mar. 29	5.46	Sept. 21	3.63	Mar. 15	4.60	Oct. 1	5.44
June 26	5.88	Dec. 27	5.56	June 18	1.67		
<u>12N-5W-5da3.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 25 ft. Lsd, 1,264. Alluvium. Highest, 3.93, Apr. 30, 1957; lowest, 11.71, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	6.80	Sept. 21	4.37	Mar. 15	7.13	Oct. 1	8.00
June 26	6.23	Dec. 27	6.77	June 18	4.36		
<u>12N-5W-5da4.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 22 ft. Lsd, 1,265. Alluvium. Highest, 5.47, Apr. 30, 1957; lowest, 12.90, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	8.05	Sept. 21	6.00	Mar. 15	7.44	Oct. 1	9.32
June 26	8.15	Dec. 27	8.28	June 18	5.72		
<u>12N-5W-5da5.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 26 ft. Lsd, 1,264. Alluvium. Highest, 5.07, Apr. 30, 1957; lowest, 12.38, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	8.72	Sept. 21	4.88	Mar. 15	7.60	Oct. 1	7.47
June 26	7.45	Dec. 27	7.18	June 18	5.23		
<u>12N-5W-5dd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 19 ft. Lsd, 1,264. Alluvium. Highest, 5.23, June 18, 1962; lowest, 12.94, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	7.10	Sept. 21	5.64	Mar. 15	5.55	Oct. 1	8.47
June 26	7.28	Dec. 27	8.44	June 18	5.23		
<u>12N-5W-5dd2.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Lsd, 1,264. Highest, 5.37, June 18, 1962; lowest, 12.12, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	7.18	Sept. 21	5.54	Mar. 15	7.63	Oct. 1	8.61
June 26	7.40	Dec. 27	7.76	June 18	5.37		

1961				1962			
<u>12N-5W-5dd3.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Lsd, 1,263. Alluvium. Highest, 4.25, Apr. 30, 1957; lowest, 11.07, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	6.09	Sept. 21	4.47	Mar. 15	6.53	Oct. 1	7.50
June 26	6.25	Dec. 27	6.80	June 18	4.27		
<u>12N-5W-5dd4.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 19 ft. Lsd, 1,264. Alluvium. Highest, 4.43, Sept. 21, 1961; lowest, 11.93, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	6.07	Sept. 21	4.43	Mar. 15	7.22	Oct. 1	8.26
June 26	5.52	Dec. 27	7.00	June 18	5.05		
<u>12N-5W-5dd5.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Lsd, 1,263. Alluvium. Highest, 2.23, Sept. 21, 1961; lowest, 11.57, Sept. 22, 1956. Records: 1956-62.							
Mar. 29	5.94	Sept. 21	2.23	Mar. 15	6.30		
June 26	4.40	Dec. 27	6.02				
<u>12N-5W-8aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Lsd, 1,266. Highest, +2e, June 18, 1962; lowest, 5.78, Sept. 22, 1956. Records: 1956-62.							
June 26	0.57			Mar. 15	0.50	Oct. 1	1.48
Sept. 21	+1e			June 18	+2e		
<u>12N-5W-8ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 12 ft. Lsd, 1,266. Alluvium. Highest, 1.29, Sept. 21, 1961; lowest, dry at 12, Nov. 28, 1954.							
Mar. 29	3.98	Sept. 21	1.29	Mar. 15	2.93	Oct. 1	4.05
May 29	5.61	Dec. 27	4.40	June 18	1.88		
June 26	5.55						
<u>12N-6W-3add1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Ryba Jacob. Depth, 34 ft. Lsd, 1,296. Rocks of Permian age. Highest, 15.89, June 9, 1960; lowest, 24.85, Nov. 5, 1941. Records: 1941-55; 1957-62.							
May 29	17.90			June 18	16.42		
<u>12N-6W-12cbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 25 ft. Lsd, 1,275. Alluvium. Highest, 5.16, May 31, 1951; lowest 13.85, Oct. 26, 1954. Records: 1942-55; 1957-62.							
May 29	7.63			June 18	6.18		

1961				1962			
<u>12N-11W-1acc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 15 ft. Alluvium. Highest, 7.28, Dec. 22, 1960; lowest, 11.50, Nov. 1, 1956. Records: 1955-61.							
Jan. 18	7.39	May 18	8.45				
Mar. 15	7.59	June 22	8.52				
Apr. 20	7.70	July 13	8.66				
Measurement discontinued.							
<u>13N-8W-22bba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 8 ft. Lsd, 1,334. Alluvium. Highest, 1.92, Nov. 13, 1955; lowest, 8.10, Oct. 21, 1954. Records: 1942-55; 1957-62.							
May 29	5.44			June 18	3.34		
<u>13N-9W-8aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 19 ft. Lsd, 1,385. Alluvium. Highest, 4.68, June 23, 1942; lowest, 15.83, Oct. 27, 1953. Records: 1942-55; 1957-62.							
May 29	12.52			June 18	11.10		
<u>14N-9W-36ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 10 ft. Lsd, 1,364. Alluvium. Highest, 4.21, May 23, 1949; lowest, 14.36, Oct. 27, 1954. Records: 1942-47; 1949-55; 1957-62.							
May 29	7.76			June 18	5.55		
<u>14N-10W-14ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 15 ft. Lsd, 1,401. Alluvium. Highest, 0.01, June 10, 1960; lowest, 9.54, Oct. 27, 1954. Records: 1942-55; 1957-61.							
May 20	1.65						
Measurement discontinued							
<u>14N-10W-16bba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 12 ft. Lsd, 1,414. Alluvium. Highest, 2.59, June 18, 1962; lowest, 8.50, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	3.40	Sept. 21	4.40	Mar. 15	4.16	Oct. 1	5.63
June 26	3.45	Dec. 27	4.43	June 18	2.59		
<u>14N-10W-16bba2.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 12 ft. Lsd, 1,415. Alluvium. Highest, 3.27, June 18, 1962; lowest, 9.58, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	4.22	Sept. 21	5.58	Mar. 15	5.15	Oct. 1	6.54
June 26	5.95	Dec. 27	5.52	June 18	3.27		

1961				1962			
<u>14N-10W-16bba3.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Lsd, 1,415. Alluvium. Highest, 3.24, June 18, 1962; lowest, 9.50, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	4.25	Sept. 21	5.38	Mar. 15	4.96	Oct. 1	6.30
June 26	4.88			June 18	3.24		
<u>14N-10W-16bba4.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Lsd, 1,414. Alluvium. Highest, 0.54, June 18, 1962; lowest 6.50, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	1.15	Sept. 21	1.85	Mar. 15	1.86	Oct. 2	3.18
June 26	1.46	Dec. 27	2.10	June 18	0.54		
<u>14N-10W-16bba5.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 42 ft. Lsd, 1,419. Alluvium. Highest, 7.10, Mar. 21, 1960; lowest, 13.76, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	8.60	Sept. 21	7.22	Mar. 15	8.10	Oct. 1	9.30
June 26	8.46	Dec. 27	7.69	June 18	7.80		
<u>14N-10W-16baa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 41 ft. Lsd, 1,415. Alluvium. Highest, 3.41, Mar. 21, 1960; lowest, 10.17, Mar. 5, 1957. Records: 1956-62.							
Mar. 29	4.78	Sept. 21	3.77	Mar. 15	5.15	Oct. 1	5.30
June 26	5.10	Dec. 27	3.70	June 18	4.04		
<u>14N-10W-17aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 12 ft. Lsd, 1,413. Alluvium. Highest, 0.44, July 9, 1951; lowest, 9.13, Dec. 15, 1939. Records: 1939-62.							
Mar. 29	2.45	Sept. 21	2.65	Mar. 15	3.01	Oct. 1	4.53
May 29	3.52	Dec. 27	3.05	June 18	1.97		
<u>14N-10W-17abb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 21 ft. Lsd, 1,413. Alluvium. Highest, 0.75, Sept. 22, 1956; lowest, 4.13, Apr. 30, 1957. Records: 1956-62.							
Mar. 29	3.39	Sept. 21	3.16	Mar. 15	2.38	Oct. 1	3.05
June 26	3.30	Dec. 27	2.12	June 18	2.29		
<u>14N-10W-17aab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Lsd, 1,411. Alluvium. Highest, +0.29, Mar. 21, 1960; lowest, 5.10, Feb. 21, 1957. Records: 1956-62.							
Mar. 29	0.99	Sept. 21	0.00	Mar. 15	1.28	Oct. 1	3.15
June 26	0.00	Dec. 27	.90	June 18	1.18		

14N-10W-25bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 25 ft. Lsd,
1,406. Alluvium. Highest, 11.46, June 23, 1942; lowest, 22.10, May 12, 1959.
Records: 1942-55; 1957-62.

May 29 14.89

June 18 13.67

CHOCTAW COUNTY

1961			1962		
6S-14E-18ab1. NW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, city of Boswell. Depth, 370 ft. Washita Group. Well equipped with water-level recorder. Highest, 22.60, May 5, 1962; lowest, 26.06, Feb. 5, 1961. Records: 1961-62.					
Day	Jan.	July	Day	Jan.	July
5	.....	.....	5	.....	22.77
10	.....	.....	10	25.26	22.99
15	.....	.....	15	24.77	23.35
20	.....	.....	20	24.61	23.47
25	.....	24.43	25	24.25	23.64
eom	.....	25.41	eom	24.26	23.75
	Feb.	Aug.		Feb.	Aug.
5	26.06	25.37	5	24.26	23.82
10	25.91	25.52	10	24.14	24.00
15	25.92	25.61	15	23.99	24.19
20	25.81	25.65	20	24.08	24.31
25	25.69	25.63	25	24.00	.....
eom	25.74	.....	eom	24.36	.....
	Mar.	Sept.		Mar.	Sept.
5	.....	.....	5	24.17	.....
10	25.54	.....	10	23.71	25.60
15	25.62	.....	15	23.09	25.40
20	25.40	.....	20	23.63	25.48
25	25.44	.....	25	24.15	25.37
eom	25.40	.....	eom	24.04	25.31
	Apr.	Oct.		Apr.	Oct.
5	25.33	.....	5	23.81	25.32
10	25.10h	.....	10	23.34	24.51
15	25.20	26.11	15	23.55	24.45
20	24.97	25.87	20	23.26	24.30
25	25.06	26.16	25	23.24	24.62
eom	24.98	25.88	eom	22.68	24.25
	May	Nov.		May	Nov.
5	24.92	26.27	5	22.60	24.12
10	25.13	25.76	10	22.63	23.96
15	24.91	26.05	15	22.95	23.98
20	24.87	26.03	20	23.08	24.06
25	24.72	25.85	25	23.28	24.36
eom	24.86	25.57	eom	23.59	24.06
	June	Dec.		June	Dec.
5	24.85	.....	5	23.45	23.90
10	.....	25.40	10	23.29	23.62
15	.....	25.12	15	22.85	23.20
20	.....	25.00	20	22.82	23.39
25	.....	24.64	25	22.89	23.57
eom	.....	24.79	eom	22.86	23.33

1961	1962
------	------

6S-17E-21bd1. SE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, city of Hugo. Depth, 494 ft. Trinity Group. Well equipped with water-level recorder. Highest, 153.07, Apr. 25, 1961; lowest, 165.03, Aug. 15, 1961. Records: 1960-62.

Day	Jan.	July	Day	Jan.
5	155.69	162.50	5	158.54
10	155.44	163.47	10	158.47
15	155.17	160.28	15	.....
20	155.40	160.17	20	.....
25	155.56	161.04	25	.....
eom	156.44	162.23	eom	.....
	Feb.	Aug.		Feb.
5	156.43	163.00	5	158.46
10	156.52	164.38	10	158.25
15	156.32	165.03	15	157.93
20	156.08	162.22	20	157.29
25	155.96	160.66	25	156.50
eom	155.79	162.70	eom	156.16
	Mar.	Sept.		Mar.
5	155.69	161.39	5	156.47
10	155.66	162.37	10	156.60
15	155.47	161.39	15	156.67
20	155.28	159.39	20	156.10
25	155.93	159.63	25	156.40
eom	155.31	.....	eom	156.17
	Apr.	Oct.		Apr.
5	154.58	.....	5	155.55
10	154.33	.....	10	155.60
15	153.90	158.19	15	155.46
20	153.99	158.21	20	156.34
25	155.07	157.21	25	156.36
eom	155.94	157.16	eom	156.19
	May	Nov.		May
5	155.91	157.61	5	156.78
10	155.55	157.48	10	157.24
15	156.15	156.82	15	157.79
20	156.94	156.51	20	159.99
25	156.93	156.14	25	161.40
eom	157.15	156.18	eom	160.66
	June	Dec.		June
5	158.60	.....	5	158.84
10	158.80	.....	10	158.91
15	158.81	158.34	15	159.05
20	158.46	158.90	20	159.17
25	159.36	158.93	Measurement discontinued	
eom	160.14	158.64		

CIMARRON COUNTY

1961			1962					
<u>1N-1E-22ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Mrs. Decker. Depth, 149 ft. Ogallala Formation. Highest, 121.89, June 18, 1958; lowest, 126.42, May 28, 1957. Records: 1956-61.								
June	5	123.42	No measurements in 1962					
<u>1N-3E-23aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Eva J. Young. Depth, 114 ft. Lsd, 4,323. Ogallala Formation. Highest, 88.58, June 5, 1961; lowest, 95.83, Nov. 4, 1938. Records: 1938; 1956-62.								
June	5	88.58	May	15	89.03			
<u>1N-5E-34ccb1.</u> NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, L. J. Stafford. Depth, 245 ft. Terrace deposit. Highest 72.32, May 25, 1950; lowest 98.38, Nov. 13, 1956. Records: 1950; 1953; 1956-58; 1961.								
June	5	90.81	No measurements in 1962					
<u>2N-5E-6ada1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Charles Ricks. Depth, 222 ft. Dakota Sandstone. Highest, 100.40, May 15, 1962; lowest, 103.50, Mar. 31, 1953: Records: 1953; 1956-62.								
June	5	101.66	May	15	100.40			
<u>3N-5E-11bbc1.</u> SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, O. A. Showalter. Depth, 154 ft. Lsd, 4,156. Ogallala Formation. Highest, 145.95, Apr. 23, 1943; lowest, 148.28, May 20, 1960. Records: 1938-62.								
June	5	147.76	May	15	151.11	Oct.	5	150.18
			July	31	150.81	Nov.	19	150.09
			Aug.	17	150.66	Dec.	13	150.24
			Sept.	11	150.28			
<u>3N-5E-14aba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Atchison, Topeka, and Santa Fe Railroad. Depth, 153 ft. Lsd, 4,144, Ogallala Formation. Highest, 133.06, May 22, 1952; lowest, 139.10, June 8, 1954. Records: 1938-44; 1946-52; 1954-62.								
Jan.	3	136.20	Aug.	4	135.86	Jan.	5	135.61
Feb.	17	136.17	Sept.	26	135.93	Feb.	12	135.74
Apr.	7	136.13	Oct.	9	136.12	Mar.	5	135.67
June	5	136.12	Nov.	22	135.78	May	15	137.19
July	11	136.23	Dec.	7	135.69			

1961	1962
------	------

3N-7E-9bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, E. J. Behrendt. Depth, 61 ft. Lsd, 3,954. Ogallala Formation. Highest, 31.97, Feb. 15, 1960; lowest, 46.96, Jan. 23, 1941. Records: 1938-62.

Jan. 3	33.38	Aug. 4	32.81	Jan. 5	33.53	Aug. 17	33.07
Feb. 17	33.18	Sept. 26	33.76	Feb. 12	33.33	Sept. 11	33.03
Apr. 7	33.25	Oct. 9	33.53	Mar. 5	32.89	Oct. 5	33.08
June 5	33.03	Nov. 22	33.48	Apr. 25	33.32	Nov. 19	33.01
July 11	32.38	Dec. 7	34.08	May 15	33.44	Dec. 13	33.01
				July 31	33.18		

3N-9E-13cbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Roy Hanes. Ogallala Formation. Highest, 177.28, May 19, 1960; lowest, 178.00, July 13, 1956. Records: 1956-62.

June 5	177.36	May 15	177.46
--------	--------	--------	--------

4N-5E-15aad1. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Roy and Bethal Bohn. Depth, 126 ft. Ogallala Formation. Highest, 98.82, Nov. 7, 1956; lowest, 130.74, May 20, 1959. Records: 1956-62.

No measurements in 1961	May 15	102.57
-------------------------	--------	--------

4N-8E-26ccc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, B. J. Wiggins. Depth, 213 ft. Lsd, 3,879. Ogallala Formation. Highest, 134.37, Apr. 5, 1955; lowest, 138.45, June 12, 1956. Records: 1938-62.

Jan. 3	135.44	Aug. 4	134.78	Jan. 5	135.23	Aug. 17	134.95
Feb. 17	134.95	Sept. 26	135.43	Feb. 12	135.14	Sept. 11	134.88
Apr. 7	135.03	Oct. 9	135.61	Mar. 5	136.03	Oct. 5	134.88
June 5	135.12	Nov. 22	135.74	Apr. 25	134.63	Nov. 19	134.72
July 11	134.96	Dec. 7	135.77	May 15	134.62	Dec. 13	134.72
				July 31	134.81		

5N-5E-9aac1. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey, Depth, 10 ft. Alluvium. Highest, 4.11, Apr. 26, 1947; lowest, 6.28, July 13, 1956. Records: 1946-62.

June 5	5.14	May 15	6.76
--------	------	--------	------

5N-9E-5aaa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, J. N. Vanleer. Depth, 227 ft. Lsd, 3,747. Ogallala Formation. Highest, 178.97, May 15, 1962; lowest, 184.90, Aug. 18, 1938. Records: 1938; 1956-62.

June 5	179.13	May 15	178.97
--------	--------	--------	--------

6N-5E-21bab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, A. S. Parker. Depth, 74 ft. Morrison Formation. Highest, 27.59, May 11, 1945; lowest, 37.46, Nov. 7, 1956. Records: 1938-62.

June 5	37.04	May 15	37.34
--------	-------	--------	-------

CLEVELAND COUNTY

1961		1962	
<u>6N-1W-6da1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 23 ft. Lsd, 1,034. Alluvium. Highest, 1.77, Jan. 25, 1960; lowest, 12.17, Sept. 26, 1956. Records: 1947-62.			

Jan. 26	6.22	Aug. 28	6.94	Jan. 22	6.08	Aug. 21	8.55
Feb. 25	5.51	Sept. 25	6.62	Feb. 23	6.03	Sept. 21	7.38
Mar. 25	5.63	Oct. 25	6.88	Mar. 23	5.89	Oct. 22	8.23
Apr. 26	5.73	Nov. 20	5.52	Apr. 23	6.35	Nov. 21	7.65
May 26	5.86	Dec. 21	5.65	May 21	6.59	Dec. 20	7.04
June 26	5.23			June 22	5.75		
July 25	4.71			July 23	7.65		

8N-2W-9bba1. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Navy. Depth, 545 ft. Garber Sandstone. Highest, 166.04, Mar. 25, 1952; lowest, 188.62, July 25, 1957. Records: 1951-52; 1955-62.

Jan. 26	174.30	July 25	174.14	Jan. 22	174.79	July 23	184.61
Feb. 25	173.36	Aug. 28	175.79	Feb. 23	175.06	Aug. 21	187.99
Mar. 25	173.12	Sept. 25	175.91	Mar. 23	175.68	Sept. 21	182.68
Apr. 26	172.60	Oct. 25	175.53	Apr. 23	175.82	Oct. 22	183.82
May 26	172.82	Nov. 20	175.19	May 21	177.29	Nov. 21	184.53
June 26	172.96	Dec. 21	174.70	June 22	177.79	Dec. 20	183.47

8N-2W-27acd1. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, town of Noble. Depth, 461 ft. Garber Sandstone. Highest, 165.43, July 7, 1943; lowest, 221.74, Dec. 23, 1948. Records: 1943-62.

Jan. 26	183.17	Aug. 28	187.00	Jan. 22	184.31	Aug. 21	192.57
Feb. 27	183.24	Sept. 25	186.29	Feb. 23	183.47	Sept. 21	189.94
Apr. 26	183.87	Oct. 25	184.95	Mar. 23	184.57	Oct. 22	188.78
June 26	184.10	Nov. 20	184.30	Apr. 23	181.30	Nov. 21	187.38
July 25	185.68	Dec. 21	183.99	May 21	185.43	Dec. 20	187.32
				June 22	184.25		

9N-3W-29aaa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 12 ft. Alluvium. Highest, 0.57, June 23, 1958; lowest 11.60, Jan. 24, 1957. Records: 1946.62.

Jan. 26	5.49	July 25	5.77	Jan. 22	4.75	July 23	6.19
Feb. 25	5.34	Aug. 28	7.13	Feb. 23	4.89	Aug. 21	7.19
Mar. 25	5.41	Sept. 25	6.09	Mar. 23	5.01	Sept. 21	7.73
Apr. 25	5.70	Oct. 25	5.00	Apr. 23	5.79	Oct. 22	8.20
May 26	6.27	Nov. 20	5.62	May 21	6.28	Nov. 21	8.43
June 26	6.56	Dec. 21	4.71	June 22	4.88	Dec. 20	8.39

1961	1962
------	------

9N-1W-30dbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, F. W. Goldsby. Original depth 400 ft. Casing collapsed 214 ft below 1st, Aug.-Sept. 1962. Lsd, 1,174. Garber Sandstone. Well equipped with water level recorder. Highest, 132.94, 1942; lowest, 156.42, 1956. Records: 1944-62.

Day	Jan.	July	Day	Jan.	July
5	151.25	150.14	5	152.37	.....
10	151.20	150.35	10	152.57	.....
15	151.21	150.38	15	152.31	.....
20	151.28	150.54	20	152.23	.....
25	151.18	150.50h	25	.....	.....
eom	150.82	150.68	eom	.....	.....
	Feb.	Aug.		Feb.	Aug.
5	150.71	150.92	5	.....	.....
10	150.47	151.37	10	.....	.....
15	150.41	151.78	15	.....	.....
20	150.35	152.21	20	.....	.....
25	150.38	152.50	25	.....	.....
eom	150.55	152.66	eom	.....	.....
	Mar.	Sept.		Mar.	Sept.
5	150.50	152.88	5	.....	.....
10	150.75	152.96	10	.....	.....
15	150.67	153.06	15	153.11	.....
20	150.72	152.88	20	.....	.....
25	150.60	153.16	25	153.27	40.72
eom	150.30	153.21	eom	153.34	40.60
	Apr.	Oct.		Apr.	Oct.
5	150.19	153.24	5	153.32	40.40
10	150.01	153.23	10	153.24	40.47
15	150.05	153.37	15	153.46	40.33
20	149.84	.....	20	153.30	40.27
25	149.82	153.52	25	153.39	40.69
eom	149.88	153.33	eom	153.42	40.30
	May	Nov.		May	Nov.
5	150.00	153.40	5	153.47	40.37
10	150.21	152.98	10	153.59	40.19
15	150.25	152.75	15	153.89	40.26
20	150.22	152.77	20	154.10	40.43
25	150.03	152.58	25	154.43	40.70
eom	150.10	152.47	eom	154.73	40.61
	June	Dec.		June	Dec.
5	150.12	152.39	5	154.77	40.80
10	150.12	152.29	10	154.71	40.57
15	150.18	152.36	15	154.58	40.27
20	149.99	152.38	20	154.48	40.50
25	150.06	152.36	25	.....	40.76
eom	150.11	152.56	eom	.....	.....

COAL COUNTY

1961			1962					
<u>1N-10E-9b1.</u> NW $\frac{1}{4}$. Owner, H. Craddock. Depth, 8 ft. Boggy Formation. Highest, 0.33, Dec. 5, 1961; lowest, 7.17, Mar. 23, 1956. Records: 1955-62.								
May	9	0.78	No measurements in 1962					
Dec.	5	.33						
Measurement discontinued.								
<u>1N-10E-9d1.</u> SE $\frac{1}{4}$. Owner, Buster Carter. Depth, 15 ft. Boggy Formation. Highest, +0.08, Dec. 5, 1961; lowest, 13.32, Sept. 15, 1955. Records: 1955; 1957-62.								
May	9	1.17	May	29	0.71	Nov.	6	1.41
Dec.	5	+0.08	Oct.	9	2.26	Dec.	4	0.10

CUSTER COUNTY

<u>12N-14W-31bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Casper Amen. Depth, 145 ft. Rush Springs Sandstone. Highest, 118.71, Dec. 3, 1962; lowest, 126.35, Aug. 11, 1956. Records: 1951-62.					
Jan.	17	121.78	Aug.	9	121.08
Mar.	13	121.38	Sept.	11	120.90
Apr.	10	121.18	Oct.	11	120.98
May	12	120.83	Nov.	7	121.30
June	14	120.00	Dec.	7	120.56
July	14	121.00			
			Jan.	16	120.70
			Feb.	21	119.36
			May	30	119.41
			June	30	119.45
			July	26	119.44
			Sept.	11	119.12
			Oct.	3	118.84
			Nov.	4	118.90
			Dec.	3	118.71
<u>12N-17W-13acc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 19 ft. Alluvium. Highest, 8.64, Oct. 21, 1959; lowest, 14.72, Apr. 19, 1955. Records: 1954-61.					
Jan.	18	12.07	May	18	12.60
Mar.	15	12.21	June	22	12.10
Apr.	20	12.28	July	13	12.59
No measurements in 1962.					

ELLIS COUNTY

1961	1962
<p><u>16N-24W-10adc1.</u> SW$\frac{1}{4}$SE$\frac{1}{4}$NE$\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 24 ft. Alluvium. Highest, 9.48, June 9, 1954; lowest, 16.70, Oct. 13, 1953. Records: 1953-58; 1960-61.</p>	

Aug. 2 12.94
Measurement discontinued.

18N-24W-22bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Patricia E. Robertson. Depth, 47 ft. Ogallala Formation. Highest, 36.88, Oct. 29, 1949; lowest, 40.73, June 16, 1958. Records: 1946-55; 1957-58; 1961-62.

Aug. 2 39.70	Feb. 1 39.23	May 24 39.37
Sept. 27 39.42	Mar. 8 39.20	June 26 39.49
Oct. 25 39.47	Mar. 29 39.41	Aug. 29 39.31
Nov. 15 39.13	Apr. 26 39.26	Sept. 20 39.37
Dec. 6 39.30	Measurement discontinued.	

19N-25W-10ccc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, J. Q. Tefertiller. Depth, 42 ft. Ogallala Formation. Highest, 22.16, Aug. 29, 1962; lowest, 29.96, June 10, 1955. Records: 1946-55; 1957-58; 1960-62.

Aug. 2 24.17	Nov. 15 23.80	Feb. 1 23.82	May 24 23.94
Sept. 27 23.95	Dec. 6 23.84	Mar. 8 23.78	June 26 23.23
Oct. 25 24.06		Mar. 29 23.86	Aug. 29 22.16
		Apr. 26 23.88	Sept. 20 22.20

21N-25W-16baa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 13 ft. Alluvium. Highest, 5.99, July 14, 1951; lowest, 9.72, June 16, 1958. Records: 1951-55; 1957-58; 1960-61.

Aug. 2 9.07
Measurement discontinued.

GARFIELD COUNTY

1961				1962							
<u>21N-8W-6dccc1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, R. Munkres. Depth, 11 ft. Lsd, 1,208. Alluvium. Highest, 2.17, Feb. 26, 1962; lowest, 9.09, Aug. 30, 1956. Records: 1950-62.											
Jan.	19	3.50	Aug.	4	5.43	Feb.	26	2.17	Nov.	16	5.32
Feb.	17	3.06	Sept.	1	4.64	Mar	26	3.38			
Apr.	21	3.36	Sept.	29	4.10	May	28	5.02			
May	19	4.50	Oct.	27	3.58	June	29	4.78			
June	23	4.68	Nov.	17	2.17	Oct.	2	4.94			
July	17	4.89	Dec.	13	2.60	Oct.	19	5.18			
<u>21N-8W-31adc1.</u> SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Paul Gregory. Depth, 27 ft. Lsd, 1,246. Terrace deposit. Highest, 7.05, Apr. 24, 1958; lowest, 18.21, Oct. 28, 1954. Records: 1950-62.											
Jan.	19	11.04	Aug.	4	10.96	Jan.	29	10.26	Oct.	2	12.93
Feb.	17	10.82	Sept.	1	12.63	Feb.	26	9.97	Oct.	19	13.00
Mar.	17	11.00	Sept.	29	12.65	Mar.	26	10.11	Nov.	16	12.89
Apr.	21	10.25	Oct.	27	12.06	Apr.	30	9.76			
June	19	9.85	Nov.	17	11.09	May	28	10.39			
July	17	10.98	Dec.	13	10.77	June	29	11.06			
July	23	10.44				Aug.	24	12.69			
<u>23N-7W-18aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, city of Enid. Depth, 72 ft. Terrace deposit. Highest, 55.62, Oct. 29, 1951; lowest, 63.39, Oct. 31, 1957. Records: 1950-61.											
Jan.	18	58.33	May	18	57.75						
Feb.	16	58.30	June	22	57.41						
Mar.	16	58.26	July	13	57.35						
Apr.	20	58.07	Aug.	3	57.30						
Measurement discontinued.											
<u>23N-7W-26aab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, city of Enid. Depth, 50 ft. Terrace deposit. Highest, 27.94, Nov. 15, 1962; lowest, 35.46, Nov. 20, 1957. Records: 1950-62.											
Jan.	18	30.65	Aug.	3	30.08	Jan.	29	29.25	Oct.	1	28.02
Feb.	16	30.59	Sept.	1	30.00	Feb.	26	29.09	Nov.	15	27.94
Mar.	15	30.56	Sept.	29	29.93	Mar.	26	28.82			
Apr.	20	30.48	Oct.	26	29.86	Apr.	30	28.65			
May	18	30.44	Nov.	16	29.78	May	28	28.50			
June	22	30.33	Dec.	7	29.65	June	29	28.35			
July	13	30.22				Aug.	23	28.13			

GRADY COUNTY

1961				1962					
<u>4N-7W-29acc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, W. W. Mobley. Depth, 21 ft. Rush Springs Sandstone. Highest, 4.70, May 22, 1957; lowest, 18.90, Aug. 21, 1947. Records: 1946-62.									
Jan.	26	12.42	July 25	12.47	Jan.	22	10.05	July 20	8.67
Feb.	25	12.21	Aug. 28	12.38	Feb.	23	9.76	Aug. 21	11.38
Mar.	25	12.22	Sept. 25	11.70	Mar.	23	10.00	Sept. 21	9.77
Apr.	26	11.55	Oct. 25	11.60	Apr.	23	10.24	Oct. 22	11.67
May	26	11.63	Nov. 20	11.10	May	21	11.13	Nov. 21	11.04
June	26	12.08	Dec. 21	10.14	June	22	7.47	Dec. 20	10.49

1961			1962		
4N-8W-33bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 254 ft. Rush Springs Sandstone. Well equipped with water-level recorder. Highest, 79.28, Dec. 15, 1962; lowest, 84.72, 1957. Records: 1948-62.					
Day	Jan.	July	Day	Jan.	July
5	81.12	81.41	5	80.90	80.12
10	81.17	81.46	10	81.07	80.09
15	81.16	81.44	15	80.84	80.14
20	81.29	81.44	20	80.70	80.01
25	81.29	81.54	25	.....	80.01
eom	81.16	81.51	eom	.....	79.95
	Feb.	Aug.		Feb.	Aug.
5	81.29	81.55	5	.....	79.82
10	81.20	81.52	10	.....	79.84
15	81.26	81.53	15	.....	79.85
20	81.24	81.54	20	.....	79.77
25	81.20	81.45	25	.....	79.80
eom	81.28	81.43	eom	.....	79.72
	Mar.	Sept.		Mar.	Sept.
5	81.30	81.54	5	.....	79.72
10	81.22	81.44	10	.....	79.74
15	81.18	81.60	15	.....	79.68
20	81.26	81.30	20	.....	79.69
25	81.25	81.38	25	.....	79.61
eom	81.35	81.38	eom	.....	79.56
	Apr.	Oct.		Apr.	Oct.
5	81.43	81.31	5	.....	79.48
10	81.33	81.26	10	.....	79.50
15	81.49	81.12	15	.....	79.62
20	81.32	81.21	20	.....	79.52
25	81.41	81.39	25	.....	79.68
eom	81.28	81.14	eom	.....	79.52
	May	Nov.		May	Nov.
5	81.52	81.34	5	.....	79.47
10	81.27	80.96	10	80.35h	79.36
15	81.37	81.21	15	80.43	79.44
20	81.32	81.09	20	80.39	79.34
25	81.45	81.03	25	80.40	79.44
eom	.....	80.92	eom	80.38	79.33
	June	Dec.		June	Dec.
5	.....	81.01	5	80.43	70.45
10	.....	81.06	10	80.39	79.50
15	.....	80.97	15	80.27	79.28
20	.....	80.96	20	80.30	79.35
25	.....	80.77	25	80.23	79.45
eom	81.43	80.97	eom	80.19	79.38

GREER COUNTY

1961

1962

3N-23W-3aaa1.

NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$.

Owner, Claude Robertson.

Depth, 94 ft.

Dog Creek Shale or Blaine Gypsum.

Highest, 24.95, Apr. 19, 1961; lowest, 30.68, Jan. 15, 1960.

Records: 1960-62.

Jan. 15	26.02	Aug. 1	26.48	Jan. 31	27.07	Oct. 3	28.75
Feb. 13	25.86	Sept. 6	26.93	May 7	27.21	Oct. 16	30.52
Mar. 14	25.66	Sept. 26	27.16	Mar. 28	27.09	Nov. 13	30.00
Apr. 19	24.95	Oct. 24	27.34	Apr. 25	27.38		
May 17	25.10	Nov. 14	27.34	May 23	27.57		
June 21	25.33	Dec. 5	27.18	June 27	28.04		
July 12	25.75			Aug. 28	29.22		

3N-23W-16daa1.

NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$.

Owner, Ivan Owen.

Depth, 105 ft.

Lsd, 1,457.

Dog Creek Shale or Blaine Gypsum.

Highest, 17.53, June 25, 1957; lowest, 66.47, Apr. 20, 1955.

Records: 1950-62.

Jan. 16	24.63	Aug. 1	34.54	Jan. 31	32.30	Oct. 16	37.55
Feb. 13	24.37	Sept. 6	41.06	Mar. 7	33.58	Nov. 13	32.40
Mar. 14	24.05	Sept. 26	36.43	Mar. 28	44.58		
Apr. 19	23.07	Oct. 24	37.25	Apr. 25	44.17		
May 17	25.64	Nov. 14	35.20	May 23	40.68		
June 21	24.31	Dec. 5	33.72	June 27	36.41		
July 12	30.28			Oct. 3	37.95		

4N-23W-33dab1.

NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$.

Owner, Earl Thomas.

Depth, 155 ft.

Lsd, 1,550.

Dog Creek Shale or Blaine Gypsum.

Highest, 25.43, Nov. 15, 1950; lowest, 61.27, Sept. 22, 1954.

Records: 1949-62.

Jan. 16	29.90	July 12	34.94	Jan. 31	31.93	Oct. 3	44.40
Feb. 13	29.60	Sept. 6	36.76	Mar. 7	31.98	Oct. 16	41.58
Mar. 14	29.40	Sept. 26	34.19	Mar. 28	40.61	Nov. 13	38.30
Apr. 19	29.20	Oct. 24	33.10	Apr. 25	41.25		
May 17	30.71	Nov. 14	32.65	May 23	39.66		
June 21	28.29	Dec. 5	32.01	June 27	35.36		

5N-23W-22aaa1.

NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$.

Owner, Sid Burcham.

Depth, 135 ft.

Lsd, 1,754.

Dog Creek Shale or Blaine Gypsum.

Highest, 89.23, Nov. 15, 1950; lowest, 107.36, Oct. 29, 1957.

Records: 1949-62.

Apr. 19	91.19	Sept. 26	93.92	Mar. 7	93.75	Oct. 17	93.42
May 17	96.78	Oct. 24	93.23	Apr. 25	97.60	Nov. 13	93.19
June 21	92.71	Nov. 21	92.63	May 23	98.15		
July 12	93.68	Dec. 5	92.61	June 27	94.75		
Aug. 1	93.85			Oct. 3	94.04		

5N-23W-27aca1.

NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$.

Owner, W. B. Mathews.

Depth, 109 ft.

Lsd, 1,725.

Dog Creek Shale or Blaine Gypsum.

Highest, 64.82, July 29, 1953; lowest, 73.53, Jan. 22, 1957.

Records: 1953; 1956-62.

Feb. 14	64.05	Sept. 6	72.17	Apr. 25	72.26	Oct. 17	65.59
May 17	71.45	Sept. 26	65.80	June 27	66.28	Nov. 13	65.29
June 21	65.05	Oct. 24	65.41	Oct. 3	65.69		

HARMON COUNTY

1961				1962							
<u>1N-24W-34dcc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Merrit and Washburn. Depth, 94.ft. Lsd, 1,443. Dog Creek Shale or Blaine Gypsum. Highest, 10.60, June 25, 1957; lowest, 18.10, Aug. 28, 1956. Records: 1953-62.											
Jan.	17	14.80	Aug.	1	14.39	Jan.	31	14.42	Oct.	3	14.57
Feb.	14	16.30	Sept.	6	14.94	Mar.	7	14.35	Oct.	16	14.48
Mar.	14	16.31	Sept.	25	13.78	Mar.	28	17.18	Nov.	13	14.22
Apr.	19	12.15	Oct.	24	14.78	Apr.	25	15.99			
May	17	12.57	Nov.	21	14.49	May	23	15.65			
June	21	12.93	Dec.	5	14.43	June	27	14.04			
July	12	14.18				Aug.	28	16.13			

1N-25W-13dcc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, E. H. Mefford. Depth, 120 ft. Dog Creek Shale or Blaine Gypsum. Highest, 17.30, June 5, 1957; lowest, 45.71, Aug. 16, 1960. Records: 1952; 1954-62.

Jan. 17	19.49	Sept. 6	23.99	Jan. 31	22.51	Aug. 23	38.69
Feb. 14	19.86	Sept. 26	21.18	Mar. 7	24.88	Oct. 3	25.35
Apr. 19	20.23	Oct. 24	24.50	Mar. 28	26.95	Oct. 16	26.50
May 17	20.91	Nov. 21	21.19	Apr. 25	28.64	Nov. 13	25.09
June 21	19.60	Dec. 5	22.41	May 23	29.00		
July 12	20.74			June 27	23.60		

1N-25W-35ddb1. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Fred Cope. Depth, 72 ft. Lsd, 1,485. Dog Creek Shale or Blaine Gypsum. Highest, 9.55, June 25, 1957; lowest, 32.32, Aug. 28, 1956: Records: 1951-62.

Jan. 17	12.36	Sept. 6	21.14	Jan. 31	15.73	Oct. 16	18.37
Feb. 14	12.23	Sept. 26	17.73	Mar. 7	16.00	Nov. 13	17.58
Mar. 14	12.13	Oct. 24	17.33	Apr. 25	22.86		
Apr. 19	12.40	Nov. 21	16.57	May 23	19.91		
May 17	13.08	Dec. 5	16.36	June 27	15.60		
June 21	12.68			Oct. 3	17.92		

1N-26W-5aab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Ortho H. Morris. Depth, 125 ft. Dog Creek Shale or Blaine Gypsum. Highest, 68.45, June 25, 1957; lowest, 91.37, Sept. 23, 1954. Records: 1953-62.

Jan. 17	70.25	Apr. 19	71.73
Feb. 14	71.43	May 17	70.22
Mar. 14	71.75	June 21	73.86

Measurement discontinued.

1961	1962
------	------

2N-24W-30dccc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Bob Moran. Depth, 1,950 ft. Dog Creek Shale or Blaine Gypsum. Highest, 50.82, Apr. 19, 1961; lowest, 117.43, Sept. 18, 1956. Records: 1953-62.

Jan. 17	57.95	Sept. 6	71.63	Jan. 31	70.72
Feb. 14	56.99	Sept. 26	71.00	Mar. 7	76.96
Mar. 14	53.05	Oct. 24	72.68	Mar. 28	61.00
Apr. 19	50.82	Nov. 21	77.35	Oct. 16	97.20
June 21	57.92	Dec. 5	73.10	Nov. 13	96.04

2N-25W-8daa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Shellie Moore. Depth, 120 ft. Dog Creek Shale or Blaine Gypsum. Highest, 28.00e, Apr. 16, 1953; lowest, 72.74, Sept. 18, 1956. Records: 1953-62.

Jan. 17	29.89	Aug. 1	32.80	Jan. 31	37.57	Oct. 16	45.95
Feb. 14	29.28	Sept. 26	44.28	Mar. 7	39.27	Nov. 13	41.40
Mar. 14	28.91	Oct. 24	42.76	Oct. 4	49.45		
Apr. 19	30.19	Nov. 21	39.49				
June 21	32.76	Dec. 5	38.33				
July 12	30.38						

2N-25W-21dac1. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Oscar Bryant. Depth, 112 ft. Lsd, 1,567. Dog Creek Shale or Blaine Gypsum. Highest, 20.27, Nov. 16, 1950; lowest, 50.07, Aug. 28, 1956. Records: 1950; 1952-62.

Jan. 17	28.77	June 21	28.30	Jan. 31	31.16	Oct. 4	34.61
Feb. 14	28.49	Sept. 26	31.53	Mar. 7	32.26	Oct. 16	34.10
Mar. 14	28.28	Oct. 24	31.67	Mar. 28	40.25		
Apr. 19	27.90	Nov. 21	31.53	Apr. 25	39.22		
May 17	29.01	Dec. 5	31.61	May 23	35.36		

2N-25W-23abb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, H. L. Wilder. Depth, 130 ft. Lsd, 1,556. Dog Creek Shale or Blaine Gypsum. Highest, 18.27, Aug. 12, 1952; lowest, 69.95, Aug. 28, 1956. Records: 1952; 1954-62.

Feb. 14	20.40	Aug. 1	25.43	Jan. 31	26.67	Aug. 28	63.91
Mar. 14	20.26	Sept. 6	31.22	Mar. 7	25.33	Oct. 4	55.67
Apr. 19	22.96	Oct. 24	27.60	Mar. 28	31.71	Oct. 16	40.91
May 17	26.44	Nov. 21	28.55	Apr. 25	42.52	Nov. 13	35.91
June 21	21.35	Dec. 5	27.65	May 23	42.25		
July 12	21.13			June 27	34.00		

2N-25W-29bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, R. Y. Darnell. Depth, 129 ft. Dog Creek Shale or Blaine Gypsum. Highest, 26.12, June 25, 1957; lowest, 40.45; May 24, 1955. Records: 1953-62.

No measurments in 1961 or 1962.

1961				1962			
------	--	--	--	------	--	--	--

2N-26W-5bcc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Ward Bros. Depth, 149 ft. Dog Creek Shale or Blaine Gypsum. Highest, 20.24, Nov. 16, 1950; lowest, 53.82, Mar. 28, 1962. Records: 1950-62.

Jan. 17	34.50	June 21	35.09	Mar. 7	39.36	June 27	44.66
Feb. 14	32.56	July 12	42.34	Mar. 28	53.82		
Mar. 14	31.76	Oct. 24	44.21				
Apr. 19	43.98	Nov. 14	41.14				
May 17	43.40	Dec. 5	39.05				

2N-26W-15aa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, A. L. Prock. Depth, 130 ft. Lsd, 1,672. Dog Creek Shale or Blaine Gypsum. Highest, 61.45, Oct. 25, 1960; lowest, 84.05, Apr. 4, 1957. Records: 1954-62.

Jan. 17	68.50	July 12	68.65	Jan. 31	76.27	Aug. 28	80.29
Feb. 14	69.47	Sept. 6	73.59	Mar. 7	76.57	Oct. 7	78.08
Mar. 14	69.77	Sept. 26	74.05	Mar. 28	76.87	Oct. 16	79.25
Apr. 19	69.09	Oct. 24	74.65	Apr. 25	68.55	Nov. 13	59.25
May 17	69.81	Nov. 14	75.14	May 23	79.61		
June 21	70.19	Dec. 5	75.51	June 27	76.69		

2N-26W-27bcb1. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Herschel Vaughan. Depth, 150 ft. Lsd, 1,450. Dog Creek Shale or Blaine Gypsum. Highest, 34.49, Nov. 15, 1960; lowest, 62.78, Aug. 25, 1954. Records: 1954-62.

Jan. 17	34.64	July 12	41.48	Jan. 31	42.24	Oct. 4	48.36
Feb. 14	34.65	Sept. 6	48.12	Mar. 7	42.94	Oct. 16	47.68
Mar. 14	35.09	Sept. 26	45.02	May 23	50.71	Nov. 13	46.49
Apr. 19	35.40	Nov. 14	47.68	June 27	45.21		
May 17	38.08	Dec. 5	44.82				
June 21	37.20						

2N-26W-31abc1. N $\frac{1}{4}$ ENW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, T. C. Gilbert. Depth, 150 ft. Dog Creek Shale or Blaine Gypsum. Highest, 27.90, June 23, 1955; lowest, 47.00, Sept. 18, 1956. Records: 1950; 1952-62.

Jan. 17	30.35	July 12	30.60	Jan. 31	31.58	Oct. 4	32.45
Feb. 14	30.33	Sept. 6	33.36	Mar. 7	31.64	Oct. 16	32.26
Mar. 14	30.34	Sept. 26	32.45	Mar. 28	32.34	Nov. 13	27.40
Apr. 19	31.16	Oct. 24	34.98	May 23	32.91		
May 17	30.96	Nov. 21	33.62	June 27	31.23		
June 21	30.59	Dec. 5	32.23	Aug. 28	43.13		

1961					1962						
<u>2N-27W-1ccb1.</u> NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Ted*Clay Whorton. Depth, 150 ft. Lsd, 1,661. Dog Creek Shale or Blaine Gypsum. Highest, 34.13, May 1952; Lowest, 71.44, Oct. 30, 1956. Records: 1952; 1954-62.											
Jan.	17	47.79	Sept.	6	68.64	Jan.	31	51.30	Oct.	4	68.30
Feb.	14	46.82	Sept.	26	59.88	May	23	65.17	Nov.	13	60.97
Mar.	14	45.94	Oct.	24	58.41	June	27	60.57			
May	17	49.10	Nov.	14	56.42						
June	21	47.71	Dec.	5	53.94						
July	12	54.58									
<u>3N-24W-5dad1.</u> SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Floyd Roberts. Depth, 155 ft. Dog Creek Shale or Blaine Gypsum. Highest, 64.27, June 21, 1961; lowest, 89.63, Feb. 26, 1957. Records: 1953-62.											
Jan.	17	66.37	Sept.	26	69.64	No measurement in 1962.					
Feb.	14	65.90	Oct.	24	84.61						
Mar.	14	65.14	Nov.	21	72.24						
June	21	64.27	Dec.	5	72.63						
Sept.	6	71.75									
<u>3N-24W-29aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Ballard Hill. Depth, 169 ft. Dog Creek Shale or Blaine Gypsum. Highest, 15.47, May 28, 1957; lowest, 79.59, Sept. 18, 1956. Records: 1954-62.											
Jan.	17	52.05	Aug.	1	53.14	Jan.	31	59.53	Oct.	3	70.83
Feb.	14	52.50	Sept.	6	59.32	Mar.	7	60.34	Oct.	16	70.72
Mar.	14	47.40	Sept.	26	59.86	Mar.	28	61.42	Nov.	13	68.27
Apr.	19	16.33	Oct.	24	59.87	Apr.	25	63.80			
May	17	18.00	Nov.	14	59.55	May	23	64.65			
June	21	43.53	Dec.	5	59.45	June	27	64.84			
July	12	46.15				Aug.	28	69.59			
<u>3N-25W-32bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Wilcy Moore. Depth, 160 ft. Lsd, 1,623. Dog Creek Shale or Blaine Gypsum. Highest, 29.69, Jan. 17, 1961; lowest, 62.70, Sept. 22, 1959. Records: 1953-62.											
Jan.	17	29.69	Sept.	6	42.38	Jan.	31	32.47	Oct.	4	54.02
Feb.	14	28.92	Sept.	26	38.42	Mar.	7	33.10	Oct.	16	50.50
Mar.	14	30.25	Oct.	24	39.02	Mar.	28	38.33	Nov.	13	45.20
June	21	29.46	Nov.	14	35.98	May	23	49.63			
July	12	33.14	Dec.	5	34.61	June	27	40.67			

1961				1962							
3N-26W-12cdd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Chester Caswell. Depth, 140 ft. Dog Creek Shale or Blaine Gypsum. Highest, 42.87, Feb. 14, 1961; lowest, 87.06, Apr. 25, 1962. Records: 1954-62.											
Jan.	17	42.97	Aug.	1	58.02c	Jan.	31	65.98	Oct.	4	81.70
Feb.	14	42.87	Sept.	6	71.66	Mar.	7	72.52c	Oct.	17	73.40
Mar.	14	43.00	Sept.	26	57.16	Mar.	28	64.27	Nov.	13	66.95
Apr.	19	47.58	Oct.	24	57.40	Apr.	25	87.06			
May	17	47.08	Nov.	14	53.49	May	23	65.73			
June	21	43.94	Dec.	5	57.28	June	27	61.04			
July	12	43.73									

3N-26W-35bab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Charles Merida. Depth, 125 ft. Dog Creek Shale or Blaine Gypsum. Highest, 39.17, Mar. 14, 1961; lowest, 90.24, Sept. 18, 1956. Records: 1953-62.							
Jan. 17	40.40	July 12	42.87	Jan. 31	45.01	Aug. 28	74.75
Feb. 14	39.63	Sept. 6	62.93	Mar. 7	45.66	Oct. 4	72.87
Mar. 14	39.17	Sept. 26	55.73	Mar. 28	55.79	Oct. 17	68.18
Apr. 19	40.72	Oct. 24	53.12	Apr. 25	66.38	Nov. 13	60.16
May 17	45.22	Nov. 14	50.58	May 23	61.59		
June 21	41.27	Dec. 5	48.16	June 27	54.90		

JACKSON COUNTY

1961				1962			
1S-24W-2abb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Lsd, 1,452. Dog Creek Shale or Blaine Gypsum. Highest, 26.73, June 27, 1962; lowest, 39.30, Jan. 26, 1960. Records: 1957-62							
No measurement in 1961.				May 23	32.88	Oct. 3	31.41
				June 27	26.73	Oct. 17	30.25
				Aug. 28	32.40	Nov. 13	30.90
1S-25W-13ccc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Winfred Black. Depth, 130 ft. Dog Creek Shale or Blaine Gypsum. Highest, 69.12, Nov. 19, 1957; lowest, 81.45, Aug. 28, 1956. Records: 1953-62.							
Jan. 17	71.08	July 12	70.67	Jan. 31	72.26	Oct. 3	72.55
Feb. 14	71.06	Sept. 6	73.13	May 23	74.87	Oct. 17	73.48
Mar. 14	71.06	Sept. 26	72.38	June 27	74.14	Nov. 13	73.14
Apr. 19	70.89	Oct. 24	72.33	Aug. 28	74.08		
May 17	70.92	Nov. 21	71.04				
June 21	70.42	Dec. 5	72.24				
1N-23W-10bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, John G. Alexander. Depth, 100 ft. Lsd, 1,431. Dog Creek Shale or Blaine Gypsum. Highest, 13.52, Oct. 25, 1955; lowest, 31.49, Jan. 6, 1955. Records: 1953-62.							
Apr. 19	18.00	Sept. 26	21.94	Jan. 31	20.23	June 27	21.58
May 17	18.80	Oct. 24	20.70	Mar. 7	22.88	Aug. 28	20.23
June 21	19.77	Nov. 21	21.37	Mar. 28	23.26	Oct. 3	18.95
Aug. 1	20.80	Dec. 5	20.77	Apr. 25	23.72	Oct. 17	19.18
Sept. 6	19.52			May 23	24.03	Nov. 13	20.10
2N-22W-8dda1. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Pearl Forgey. Depth, 75 ft. Blaine Gypsum. Highest, 28.96, June 24, 1957; lowest, 48.15, Sept. 17, 1956. Records: 1953-62.							
Jan. 16	30.29	Sept. 6	37.60	Jan. 31	31.82	June 27	33.29
Feb. 13	30.20	Sept. 26	35.97	Mar. 7	31.53	Oct. 3	37.07
Mar. 13	30.09	Oct. 23	43.65	Mar. 28	33.01	Oct. 17	36.15
Apr. 19	29.66	Nov. 21	33.19	May 23	35.64	Nov. 13	34.13
May 16	30.54	Dec. 5	32.80				
June 20	29.41						
2N-23W-10dbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, J. D. Ballard. Depth, 135 ft. Blaine Gypsum. Highest, 8.66, June 25, 1957; lowest, 24.10, Feb. 5, 1952. Records: 1952-62.							
Jan. 17	12.68	July 12	20.60	Jan. 31	17.19	June 27	17.48
Feb. 14	14.86	Sept. 6	19.30	Mar. 7	17.07	Oct. 3	16.65
Mar. 14	15.07	Sept. 26	18.53	Mar. 28	17.80	Oct. 17	16.59
Apr. 19	14.50	Oct. 24	18.02	May 23	18.65	Nov. 13	16.48
May 17	15.91	Nov. 21	17.25				
June 21	15.87	Dec. 5	17.19				

1961

1962

2N-23W-12bbd1.

SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$.

Owner, Ivan Owen.

Depth, 90 ft.

Blaine Gypsum.

Highest, 18.39, June 25, 1957; lowest, 63.21, Aug. 24, 1954.

Records: 1948-62.

Jan. 16 25.40

Aug. 1 34.75

Jan. 31 27.46

Aug. 28 32.53

Feb. 13 25.55

Sept. 6 36.71

Apr. 25 38.81

Oct. 3 28.80

Mar. 14 25.42

Sept. 26 33.20

May 23 33.73

Nov. 13 26.80

Apr. 19 24.98

Oct. 24 31.32

June 27 29.77

May 17 27.72

Nov. 21 28.20

June 21 27.35

Dec. 5 28.47

July 12 29.29

2N-23W-21aaa1.

NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$.

Owner, Johnnie Kenmore.

Lsd, 1,424.

Dog Creek Shale or Blaine Gypsum.

Highest, 11.65, June 25, 1957; lowest, 29.81, Dec. 28, 1956.

Records: 1956-62.

Jan. 17 17.57

Aug. 1 22.75

Jan. 31 21.82

June 27 22.77

Feb. 14 18.05

Sept. 6 25.37

Mar. 7 22.09

Aug. 28 26.67

Mar. 14 18.30

Sept. 26 24.26

Mar. 28 22.34

Oct. 3 22.45

Apr. 19 18.25

Oct. 24 23.20

Apr. 25 25.08

Oct. 17 21.93

May 17 19.98

Nov. 21 21.31

May 23 25.11

Nov. 13 21.88

June 21 19.75

Dec. 5 21.47

July 12 23.27

3N-22W-32cbb1.

NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$.

Owner, Wilbur Leonard.

Depth, 122 ft.

Lsd, 1,437.

Blaine Gypsum.

Highest, 31.12, Apr. 16, 1949; lowest, 56.24, Sept. 17, 1956.

Records: 1949; 1954-62.

Jan. 16 41.34

July 31 41.80

Jan. 31 40.52

Aug. 28 45.31

Feb. 13 38.90

Sept. 6 44.66

Mar. 7 40.45

Oct. 3 42.43

Mar. 13 38.74

Sept. 26 43.39

Mar. 28 42.29

Oct. 17 41.40

Apr. 19 38.15

Oct. 23 34.23

May 23 42.70

Nov. 13 40.66

May 16 39.99

Nov. 21 41.45

June 27 41.40

June 20 39.35

Dec. 5 41.25

July 11 41.43

3N-23W-19bbb1.

NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$.

Owner, I. V. Owen.

Depth, 170 ft.

Lsd, 1,531.

Dog Creek Shale or Blaine Gypsum.

Highest, 74.80, June 25, 1957; lowest, 95.63, Sept. 18, 1956.

Records: 1953-62.

Jan. 16 76.22

June 21 77.10

Jan. 31 82.93

Oct. 3 86.99

Feb. 13 75.70

July 12 78.98

Mar. 28 88.98

Oct. 17 86.11

Mar. 14 75.41

Sept. 26 83.88

May 23 87.50

Nov. 13 83.98

Apr. 19 74.82

Oct. 24 85.18

June 27 84.89

May 17 76.98

Nov. 21 82.25

1961				1962			
------	--	--	--	------	--	--	--

3N-23W-27aad1. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Buddy Bryant. Depth, 127 ft. Lsd, 1,460. Dog Creek Shale or Blaine Gypsum. Highest, 21.67, Jan. 27, 1959; lowest, 67.79, Sept. 22, 1954. Records: 1948-62.

Jan. 16	34.38	Sept. 6	48.54	Jan. 31	40.14	Aug. 28	59.44
Mar. 14	33.97	Sept. 26	45.51	Mar. 7	39.91	Oct. 3	46.17
May 17	36.31	Nov. 14	42.02	Apr. 25	54.53	Oct. 17	42.97
June 21	35.23	Dec. 5	41.62	June 27	43.36		
July 12	36.95						

3N-23W30daa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Cecil Leonard. Depth, 41 ft. Lsd, 1,454. Dog Creek Shale or Blaine Gypsum. Highest, 19.42, Feb. 5, 1954; lowest, 35.80, Apr. 21, 1955. Records: 1952; 1954-62.

Jan. 16	20.62	Sept. 6	27.20	Jan. 31	21.19	June 27	25.94
Feb. 13	20.52	Sept. 26	25.91	Mar. 7	20.38	Aug. 28	34.30
Mar. 14	20.29	Oct. 24	25.53	Mar. 28	25.25	Oct. 3	24.96
Apr. 19	19.54	Nov. 21	25.02	Apr. 25	32.04	Oct. 17	25.13
May 17	20.68	Dec. 5	23.17	May 23	27.20	Nov. 13	24.75
June 21	20.68						

3N-23W-35bdb1. NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Barney O. Yates. Depth, 120 ft. Dog Creek Shale or Blaine Gypsum. Highest, 19.19, June 25, 1957; lowest, 43.16, May 23, 1955. Records: 1948-61.

Feb. 13 35.10

No measurements in 1962

KAY COUNTY

1961					1962						
26N-2E-26bdd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, city of Ponca City. Depth, 38 ft. Alluvium. Highest, 2.30, July 1951; lowest, 29.13, Feb. 24, 1955. Records: 1948-62.											
Jan.	5	11.60c	July	6	7.22c	Jan.	4	6.30c	July	5	10.50c
	12	11.66c		13	7.16c		11	5.80c		12	10.98c
	19	11.86c		20	5.62c		18	5.00c		19	11.35c
	26	12.15c		27	6.10c		25	4.90c		26	11.50c
Feb.	2	12.38c	Aug.	3	6.58c	Feb.	1	5.30c	Aug.	2	12.40c
	10	12.54c		10	7.06c		8	5.30c		9	12.90c
	16	12.64c		17	6.66c		15	5.50c		16	12.20c
	23	12.18c		24	7.32c		22	5.50c		23	12.80c
				31	7.78c					30	13.20c
Mar.	2	12.65c	Sept.	7	8.11c	Mar.	1	5.80c	Sept.	6	13.52c
	9	12.84c		14	4.02		8	6.00c		13	14.20c
	16	12.52c		21	4.70c		15	6.20c		20	14.41c
	24	13.09c		28	4.80c		22	6.30c		27	14.80c
	30	12.30c		30	4.80c		29	6.40c			
Apr.	6	12.40c	Oct.	5	3.20c	Apr.	5	6.80c	Oct.	4	14.30
	13	11.91c		12	3.80c		12	7.20c		11	13.40
	20	12.02c		19	4.40c		19	6.70c		18	12.70
	27	12.10c		26	4.50c		26	6.80c		25	12.40c
May	4	10.30	Nov.	2	2.30c	May	3	6.90c	Nov.	1	12.50c
	11	1.44		9	3.32c		10	7.15c		18	13.20c
	18	3.79c		16	2.80c		17	7.90c		15	13.30c
	25	4.39c		23	3.40c		24	8.70c		22	13.35
				30	3.90c		31	9.30c		29	13.45c
June	1	4.80c	Dec.	7	4.10c	June	7	9.60c	Dec.	6	14.58c
	8	4.97c		14	4.30c		14	9.65c		13	15.88c
	15	5.24c		21	5.20c		21	9.70c		20	16.98c
	22	5.85c		28	5.50c		28	9.95c		27	17.20c
	29	6.45c									

KINGFISHER COUNTY

1961				1962			
<u>18N-7W-21dcd1. SE$\frac{1}{4}$SW$\frac{1}{4}$SE$\frac{1}{4}$. Owner, H. B. Stinson. Depth, 63 ft. Lsd, 1,081.</u> Terrace deposit. Highest, 16.73, Apr. 30, 1962; lowest, 33.25, Oct. 28, 1954. Records: 1950-62.							

Jan. 19	22.09	July 17	22.48	Feb. 26	19.81	Aug. 24	20.61
Feb. 17	21.90	Aug. 4	22.75	Mar. 26	19.96	Oct. 2	21.74
Mar. 17	22.04	Sept. 1	21.92	Apr. 30	16.73	Oct. 19	21.68
Apr. 21	22.20	Sept. 29	22.04	May 28	20.53	Nov. 16	21.63
May 19	22.42	Oct. 27	21.33	June 29	20.82		
June 23	22.53	Nov. 17	20.88				

19N-8W-3aab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, John Haldik. Depth, 48 ft. Lsd, 1,227.
Terrace deposit. Highest, 1.62, Jan. 29, 1962; lowest, 23.32, Sept. 21, 1956.
Records: 1950-62.

Jan. 19	3.80	July 17	4.30	Jan. 29	1.62	June 29	2.99
Feb. 17	3.36	Aug. 4	5.03	Feb. 26	2.22	Aug. 24	2.93
Mar. 17	3.55	Sept. 1	5.37	Mar. 26	2.30	Oct. 2	5.36
Apr. 21	2.76	Sept. 29	4.73	Apr. 30	2.25	Oct. 19	5.55
May 19	3.57	Oct. 27	3.66	May 28	3.11	Nov. 16	5.75
June 23	3.95	Nov. 17	2.16				

19N-9W-24aad1. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 16 ft. Lsd, 1,162.
Terrace deposit. Highest, +0.06, May 28, 1962; lowest, 11.78, Apr. 8, 1957.
Records: 1950-62.

Jan. 19	0.60	July 17	0.96	May 28	+0.06	Oct. 2	1.69
Feb. 17	.40	Aug. 4	1.55	June 29	.10	Oct. 19	1.75
Mar. 17	.54	Sept. 1	1.47	Aug. 24	1.23	Nov. 16	1.90
Apr. 21	.59	Sept. 29	2.25				
May 19	.74	Dec. 13	2.15				
June 23	.57						

LeFLORE COUNTY

1961			1962		
10N-24E-13bcd1. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, G. W. Jones. Depth, 24 ft. Lsd, 447. Alluvium. Well equipped with water-level recorder. Highest, 14.30, June 5, 1960; lowest, 21.45, Feb. 15, 1959. Records: 1958-62.					
Day	Jan.	July	Day	Jan.	July
5	19.46	16.53	5	16.56	18.78
10	19.63	16.95	10	15.78h	18.97
15	19.81	17.16	15	.....	19.11
20	19.93	16.71	20	.....	19.11
25	19.91	16.13	25	.....	19.17
eom	19.82	15.68	eom	20.65h	.....
	Feb.	Aug.		Feb.	Aug.
5	20.01	15.92	5	17.38	.....
10	20.07	16.44	10	17.15	19.25
15	19.97	16.98	15	17.27	19.31
20	19.94	16.89	20	17.46	19.46
25	19.66	16.90	25	17.57	19.65
eom	19.48	17.04	eom	17.62	19.95
	Mar.	Sept.		Mar.	Sept.
5	19.21	17.28	5	17.71	20.04
10	19.15	17.18	10	17.86	20.10
15	19.11	17.16	15	18.17	20.09
20	19.29	16.53	20	18.43	19.90
25	19.39	15.84	25	18.40	19.31
eom	18.97	16.60	eom	17.92	18.92
	Apr.	Oct.		Apr.	Oct.
5	18.50	16.57	5	17.73	18.92
10	18.12	16.77	10	18.06	18.47
15	18.00	17.05	15	18.15	18.64
20	17.83	16.68	20	18.16	18.80
25	17.86	16.05	25	18.26	18.92
eom	17.97	16.52	eom	17.93	19.04
	May	Nov.		May	Nov.
5	18.00	16.89	5	18.12	19.04
10	17.46	16.33	10	18.43	19.24
15	16.34	16.09	15	18.74	19.40
20	15.27	16.10	20	19.05	19.59h
25	14.70	15.83	25	19.32	19.81
eom	14.30	15.54	eom	19.61	19.91
	June	Dec.		June	Dec.
5	14.26	15.62	5	19.74	19.97
10	14.54	16.07	10	19.33	20.03
15	14.81	16.05	15	18.54	20.10
20	15.02	16.06	20	17.94	20.25
25	15.48	15.90	25	18.14	20.39
eom	16.06	16.27	eom	18.45	20.46

MAJOR COUNTY

1961				1962			
<p><u>20N-9W-5ccc1.</u> SW$\frac{1}{4}$SW$\frac{1}{4}$SW$\frac{1}{4}$. Owner, Victor I. Cooper. Depth, 53 ft. Lsd, 1,175. Terrace deposit. Highest, 2.43, Oct. 20, 1960; lowest, 15.05, Nov. 1, 1956. Records: 1950-62.</p>							

Jan. 19	3.94	Aug. 4	5.39	Jan. 29	4.06	June 29	6.76
Feb. 17	3.57	Sept. 1	5.76	Feb. 26	4.65	Aug. 24	7.13
Mar. 17	4.33	Sept. 29	5.68	Mar. 26	4.95	Oct. 2	8.24
Apr. 21	4.10	Oct. 27	5.26	Apr. 30	5.53	Oct. 19	8.49
May 19	4.65	Nov. 17	3.92	May 28	6.72	Nov. 16	9.02
June 23	4.58	Dec. 13	4.35				
July 17	4.95						

20N-9W-26baa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, L. M. Sturgeon. Depth, 51 ft. Lsd, 1,214.
Terrace deposit. Highest, 1.29, July 25, 1960; lowest, 25.83, Nov. 29, 1954.
Records: 1950-62.

Jan. 19	7.07	Aug. 4	4.05	Jan. 29	3.90	June 29	3.18
Feb. 17	7.98	Sept. 1	1.65	Feb. 26	4.47	Aug. 24	4.21
Mar. 17	8.63	Sept. 29	3.11	Mar. 26	4.97	Oct. 2	5.00
Apr. 21	2.06	Oct. 27	2.90	Apr. 30	5.25	Oct. 19	5.30
May 19	1.86	Nov. 17	1.75	May 28	5.62	Nov. 16	5.78
June 25	1.65	Dec. 13	2.72				
July 17	3.13						

21N-9W-20ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Ned Woods. Depth, 50 ft. Lsd, 1,235.
Terrace deposit. Highest, 12.41, Apr. 30, 1962; lowest, 33.07, Mar. 1, 1957.
Records: 1950-62.

Jan 19	12.86	July 17	12.65	Jan. 29	12.41	June 29	13.00
Feb. 17	12.53	Sept. 1	13.21	Feb. 26	12.45	Aug. 24	12.95
Mar. 17	12.56	Sept. 29	13.13	Mar. 26	12.42	Oct. 2	13.12
Apr. 21	12.61	Oct. 27	12.99	Apr. 30	12.41	Oct. 19	12.89
May 19	12.58	Nov. 17	12.78	May 28	14.40	Nov. 16	13.11
June 23	12.55	Dec. 13	12.49				

21N-10W-21ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, W. H. Winfree. Depth, 40 ft. Lsd, 1,214.
Terrace deposit. Highest, 16.69, Apr. 30, 1962; lowest, 23.51, Feb. 23, 1956.
Records: 1950-62.

Jan. 19	18.27	Aug. 4	17.74	Jan. 29	16.73	June 29	17.17
Feb. 17	18.11	Sept. 1	18.80	Feb. 26	16.74	Aug. 24	17.75
Mar. 17	18.17	Sept. 29	17.92	Mar. 26	16.77	Oct. 2	17.99
Apr. 21	18.03	Oct. 27	17.77	Apr. 30	16.69	Oct. 19	17.97
May 19	17.66	Nov. 17	17.52	May 28	16.79	Nov. 16	18.12
June 23	17.49	Dec. 13	17.00				
July 17	17.49						

1961	1962
------	------

22N-11W-32baa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, city of Fairview. Depth, 36 ft. Lsd, 1,265. Terrace deposit. Highest, 18.04, Jan. 28, 1960; lowest, 25.96, Apr. 26, 1956. Records: 1950-62.

Jan. 18	20.44	Aug. 3	20.31	Jan. 29	20.05	June 29	20.11
Feb. 16	21.73	Aug. 31	19.75	Feb. 26	20.00	Aug. 23	19.87
Mar. 16	22.74	Sept. 28	20.38	Mar. 26	20.32	Oct. 1	19.77
Apr. 20	22.60	Oct. 26	20.90	Apr. 30	20.19	Oct. 19	19.79
May 18	22.86	Nov. 16	20.66	May 28	20.07	Nov. 15	19.74
June 22	21.83	Dec. 7	20.36				
July 13	20.70						

McCURTAIN COUNTY

1961					1962						
<u>6S-21E-27aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Marvin McDougal. Depth, 120 ft. Paluxy Sand. Well equipped with water-level recorder in Sept. 1962. Highest, 69.78, May 18, 1960; lowest, 74.38, Apr. 6, 1957. Records: 1954-62.											
May	8	70.40	Dec.	4	71.15	May	28	69.85	Nov.	5	70.70
						Sept.	11	70.50		10	70.76
							15	70.52		15	70.84
							20	70.69		20	70.86
							25	70.58		25	71.07
							eom	70.54		eom	70.92
						Oct.	5	70.57	Dec.	5	70.86
							10	70.75		10	70.96
							15	70.80		15	70.78
							20	70.74		20	70.78
							25	71.09		25	71.02
							eom	70.72		eom	71.02
<u>6S-25E-27dd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Mr. Brantly. Depth, 26 ft. Lsd, 443. Trinity Sand. Highest, 9.35, Dec. 5, 1962; lowest, 12.44, Sept. 11, 1962. Records: 1962.											
						Sept.	11	12.44	Dec.	5	9.35
<u>7S-21E-22aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 322 ft. Lsd, 435. Paluxy Sand. Highest, 13.94, Oct. 3, 1951; lowest, 22.09, Nov. 8, 1962.											
May	8	19.76	Dec.	4	20.26	May	28	21.15	Nov.	8	22.09
						Sept.	11	21.91	Dec.	4	22.08
						Oct.	11	21.98			
<u>7S-22E-25cda1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Odel J. Parish. Depth, 41 ft. Lsd, 455. Woodbine Formation. Highest, 2.14, Apr. 5, 1957; lowest, 13.91, Dec. 29, 1953. Records: 1950-62.											
May	8	4.28	Dec.	4	7.14	May	28	6.28	Nov.	8	9.65
						Sept.	11	9.54	Dec.	4	8.85
						Oct.	11	9.88			
<u>7S-23E-28dcd1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Lone Star Grocery Co. Depth, 19 ft. Lsd, 481. Woodbine Formation. Highest, 0.00, April 24, 1952; lowest, 11.84, Sept. 26, 1954. Records: 1950-62.											
May	8	0.14	Dec.	4	0.00	May	28	2.13	Nov.	18	0.19
						Sept.	11	1.51	Dec.	4	.06
						Oct.	11	1.45			

1961					1962				
<u>7S-23E-29aad1.</u> SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Margaret H. Hubanks. Depth, 15 ft. Lsd, 472. Woodbine Formation. Highest, 1.00, Apr. 24, 1952; lowest, 10.95, Nov. 30, 1953. Records: 1950-62.									
May	8	2.40	Dec.	4	2.79	May	28	6.32	
Measurement discontinued.									
<u>7S-23E-32bab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Maud Jackson. Depth, 19 ft. Lsd, 450. Woodbine Formation. Highest, 0.92, Apr. 5, 1957; lowest, 15.09, Sept. 26, 1954. Records: 1950-62.									
May	8	2.07	Dec.	4	3.75	May	28	5.49	Nov. 8 4.31
						Sept. 11	5.71	Dec. 4	2.22
						Oct. 11	5.86		
<u>7S-25E-34ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Mr. Lynch. Depth, 16 ft. Lsd, 417. Woodbine Formation. Highest, 7.30, Dec. 5, 1962; lowest, 10.65, Nov. 7, 1962. Records: 1962.									
						Sept. 11	9.30	Dec. 5	7.30
						Nov. 7	10.65		
<u>8S-23E-12cdd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Oren C. Hicks. Depth, 28 ft. Lsd, 450. Woodbine Formation. Highest, +0.02, Dec. 5, 1961; lowest, 14.59, July 27, 1952. Records: 1950-62.									
May	8	0.03	Dec.	5	+0.02	May	28	1.19	
Measurement discontinued.									
<u>8S-23E-14ada1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, John Derryberry, Jr. Depth, 41 ft. Lsd, 420. Woodbine Formation. Highest, +0.27, Dec. 31, 1957; lowest, 12.96, Dec. 29, 1953. Records: 1950-62.									
May	8	3.14	Dec.	5	2.37	May	28	4.49	Nov 8 5.15
						Sept. 11	7.62	Dec. 5	2.55
						Oct. 10	7.70		
<u>8S-24E-29bbc1.</u> SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, H. L. Latimer. Depth, 19 ft. Lsd, 351. Alluvium. Highest, 1.29, Feb. 23, 1952; lowest, 13.28, Sept. 25, 1954. Records: 1950-62.									
May	8	3.80	Dec.	5	4.95	May	29	5.73	Nov 8 5.63
						Sept. 11	3.34	Dec. 5	4.11
						Oct. 10	6.35		

1961	1962
------	------

9S-25E-21ddd1. $SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 16 ft. Lsd, 347. Alluvium. Highest, 5.05, May 8, 1962; lowest, 11.47, Nov. 25, 1954. Records: 1950-62.

May	8	5.71	Dec.	5	8.79	May	29	5.50
								Well destroyed.

9S-25E-33aaa1. $NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 22 ft. Lsd, 338. Alluvium. Highest, 14.40, Dec. 1951; lowest, 20.01, June 30, 1955. Records: 1950-62.

May	8	18.70	Dec.	5	18.28	May	29	18.04	Nov.	8	18.22	
								Sept. 11	18.29	Dec.	5	18.16
								Oct.	10	18.24		

9S-25E-33ddd1. $SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Lsd, 338. Alluvium. Highest, 6.14, Apr. 24, 1952; lowest, 16.58, Aug. 29, 1955. Records: 1950-1962.

May	8	11.80	Dec.	5	12.96	May	29	10.58	Nov.	8	12.53	
								Sept. 11	10.99	Dec.	5	11.53
								Oct.	10	13.23		

MUSKOGEE COUNTY

1961					1962						
12N-20E-13dcc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 42 ft. Lsd, 486. Alluvium. Highest, 17.01, July 30, 1959; lowest, 25.05, Aug. 29, 1962. Records: 1958-62.											
Jan.	4	21.69	Aug.	1	20.60	Jan.	25	21.37	Aug.	7	23.10
Feb.	7	21.79	Aug.	29	22.00	Feb.	20	21.49	Aug.	29	25.05
Mar.	7	21.70	Sept.	26	22.32	Mar.	20	21.46	Sept.	28	23.32
May	4	22.14	Oct.	24	21.68	Apr.	20	21.00	Oct.	24	23.80
May	31	21.61	Nov.	13	21.64	May	15	21.90	Nov.	20	23.60
June	29	21.18	Dec.	13	21.49	June	11	21.95	Dec.	20	23.60

1961			1962		
15N-19E-22acbl. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Mrs. Dill. Depth, 42 ft. Lsd, 517. Alluvium. Well equipped with water-level recorder. Highest, 19.27, Aug. 20, 1960; lowest, 23.52, Dec. 20, 1962. Records: 1958-62.					
Day	Jan.	July	Day	Jan.	July
5	21.95	.....	5	20.66	21.86
10	22.05	.....	10	20.86	22.06
15	22.13	.....	15	20.80	22.06
20	22.24	.....	20	20.80	22.17
25	22.27	.....	25	20.76	22.26
eom	22.31	.....	eom	20.91	22.31
	Feb.	Aug.		Feb.	Aug.
5	22.46	21.10	5	....	22.34
10	22.49	21.25	10	.....	22.40
15	22.58	21.21	15	.....	.....
20	22.53	21.22	20	21.12	.....
25	22.52	21.22	25	21.22	.....
eom	22.61	21.25	eom	21.30	23.19
	Mar.	Sept.		Mar.	Sept.
5	22.61	21.42	5	.....	22.94
10	22.57	21.46	10	.....	22.90
15	22.63	21.60	15	.....	22.82
20	22.67	21.51	20	21.37	22.77
25	22.77	21.72	25	21.50	22.69
eom	22.77	21.46	eom	21.55	22.69
	Apr.	Oct.		Apr.	Oct.
5	22.80	21.26	5	21.56	22.76
10	22.82	21.15	10	21.66	22.88
15	22.88	21.12	15	21.75	22.97
20	22.89	21.09	20	21.71	23.00
25	22.96	21.20	25	21.50	23.09
eom	22.98	21.14	eom	21.55	23.08
	May	Nov.		May	Nov.
5	22.94	21.12	5	21.59	23.13
10	22.51	20.93	10	21.66	23.09
15	22.27	20.92	15	21.79	23.12
20	22.15	21.00	20	21.84	23.19
25	22.09	20.79	25	21.98	23.32
eom	22.00	20.76	eom	22.13	23.33
	June	Dec.		June	Dec.
5	22.02	20.80	5	22.10	23.39
10	22.02	20.81	10	21.91	23.44
15	22.10	20.75	15	21.63	23.42
20	22.03	20.68	20	21.58	23.52
25	22.09	20.56	25	21.60	.....
eom	22.12h	20.69	eom	21.78	.....

OKLAHOMA COUNTY

1961				1962			
<u>11N-2W-11bcb1. NW$\frac{1}{4}$SW$\frac{1}{4}$NW$\frac{1}{4}$. Owner, U.S. Air Force. Depth, 703 ft. Garber Sandstone and Wellington Formation. Highest, 149.92, May 5, 1947; lowest, 281.06, Mar. 28, 1957. Records: 1944-62.</u>							
Jan. 24	240.75	July 19	257.26	Jan. 22	236.29	July 23	274.49
Feb. 20	228.77	Aug. 18	258.92	Feb. 23	247.27	Aug. 21	276.74
Mar. 21	231.35	Sept. 15	258.12	Mar. 23	238.48	Sept. 21	267.74
Apr. 17	241.97	Oct. 13	246.39	Apr. 23	257.40	Oct. 22	259.25
May 23	248.90	Nov. 20	246.00	May 21	261.06	Nov. 21	252.86
June 30	255.82			June 22	265.38	Dec. 20	245.65
<u>12N-3W-23db1. NW$\frac{1}{4}$SE$\frac{1}{4}$. Owner, Sunray DX Oil Co. Depth, 791 ft. Garber Sandstone and Wellington Formation. Highest, 169.26, Jan. 22, 1962; lowest, 211.48, Sept. 21, 1956. Records: 1943-62.</u>							
Jan. 24	173.70	July 19	173.26	Jan. 22	169.26	July 23	172.20
Feb. 20	173.45	Aug. 18	175.04	Feb. 23	169.33	Aug. 21	174.50
Mar. 21	172.50	Sept. 15	175.20	Mar. 23	169.70	Sept. 21	174.99
Apr. 17	171.48	Oct. 13	174.01	Apr. 23	169.34	Oct. 22	174.57
May 23	171.49	Nov. 20	172.77	May- 21	169.47	Nov. 21	174.05
June 30	172.76	Dec. 21	171.20	June 22	170.94	Dec. 20	173.70
<u>12N-3W-26bdb1. NW$\frac{1}{4}$SE$\frac{1}{4}$NW$\frac{1}{4}$. Owner, Skelly Oil Co. Depth, 827 ft. Garber Sandstone and Wellington Formation. Well equipped with water-level recorder in May 1962. Highest, 192.60, Jan. 22, 1952; lowest, 242.40, Oct. 26, 1956. Records: 1943-62.</u>							
Jan. 24	200.52	July 19	201.16	Jan. 22	197.10	Nov. 5	197.68
Feb. 20	200.28	Aug. 18	204.17	Feb. 23	195.78	10	197.48
Mar. 21	198.55	Sept. 15	203.67	Mar. 23	196.68	15	197.26
Apr. 17	197.87	Oct. 13	202.62	Apr. 23	196.25	20	197.13
May 23	198.61	Nov. 20	200.80	May 21	197.07	25	196.82
June 30	200.01	Dec. 21	198.74	25	197.02	eom	196.30
				eom	197.77		
				June 5	198.21	Dec. 5	197.73
				10	198.63	20	195.10h
				15	198.73		
				20	199.46		
				Aug. eom	200.06		
				Oct. 25	198.88		
				31	197.50		

1961			1962	
13N-3W-29bbd1. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Josaline Production Co. Depth, 750 ft. Garber Sandstone and Wellington Formation. Well equipped with water-level recorder. Highest, 157.01, Apr. 22, 1962; lowest, 179.94, Sept. 10, 1957. Records: 1957-62.				
Day	Jan.	July	Day	Jan.
5	162.14	162.14	5	159.20
10	161.94	163.44	10	159.45
15	161.75	163.38	15	159.08
20	161.62	163.36	20	158.87
25	161.53	163.11	25	158.60
eom	161.23	163.02	eom	158.66
	Feb.	Aug.		Feb.
5	161.02	163.26	5	158.60
10	160.75	163.46	10	158.45
15	160.68	163.41	15	158.29
20	160.67	163.46	20	158.28
25	160.56	163.24	25	158.13
eom	160.56	163.24	eom	158.25
	Mar.	Sept.		Mar.
5	160.21	163.81	5	158.11
10	160.21	163.93	10	157.63
15	159.97	163.70	15	157.77
20	159.91	163.41	20	157.50
25	159.90	163.36	25	.....
eom	159.79	162.95	eom	.....
	Apr.	Oct.		Apr.
5	.....	162.79	5	.....
10	.....	162.33	10	.....
15	.....	162.39	15	.....
20	.....	162.00	20	.....
25	.....	161.97	25	157.22
eom	.....	161.61	eom	157.17
	May	Nov.	Well destroyed	
5	159.57	161.48		
10	159.80	160.97		
15	160.10	160.80		
20	.....	160.74		
25	.....	160.53		
eom	.....	160.39		
	June	Dec.		
5	.....	160.21		
10	.....	160.01		
15	.....	159.74		
20	.....	.....
25	161.10	159.23		
eom	161.64	159.52		

PAYNE COUNTY

1961				1962			
<u>18N-3E-12cdc1.</u> SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, John Wolf. Depth, 39 ft. Rocks of early Permian age. Highest, 14.16, Mar. 26, 1960; lowest, 23.58, Mar. 1, 1957. Records: 1951-62.							
Mar. 29	17.72	Sept. 30	19.12	Mar. 29	18.95	Oct. 1	18.10
July 4	19.00	Dec. 28	19.09	June 29	18.50	Dec. 24	18.85
<u>19N-1E-23cdc1.</u> SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Erma T. Pool. Depth, 47 ft. Rocks of early Permian age. Highest, 18.10, Dec. 24, 1962; lowest, 27.91, Jan. 28, 1941. Records: 1934-62.							
Mar. 29	23.32	Sept. 30	21.83	Mar. 28	20.70	Oct. 1	20.37
July 4	22.45	Dec. 28	21.50	June 29	20.50	Dec. 24	18.10
<u>19N- E-23ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, School land. Depth, 70 ft. Rocks of early Permian age. Highest, 18.90, Mar. 31, 1958; lowest, 35.85, Mar. 1, 1957. Records: 1954-62.							
Mar. 29	26.74	Sept. 30	24.08	Mar. 28	25.65	Oct. 1	27.44
July 4	23.10	Dec. 28	22.34	June 29	26.50	Dec. 24	25.96
<u>19N-3E-2bba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, W. O. Snyder. Depth, 34 ft. Rocks of early Permian age. Highest, 6.72, Apr. 27, 1942; lowest, 25.08, Oct. 26, 1956. Records: 1934-62.							
Mar. 29	18.64	Sept. 30	18.30	Mar. 29	16.45	Oct. 1	19.00
July 4	17.20	Dec. 28	15.90	June 29	17.13	Dec. 24	18.30
<u>19N-3E-20bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Charles Focht. Depth, 30 ft. Rocks of early Permian age. Highest, 2.17, Apr. 27, 1942; lowest, 26.52, Mar. 1, 1957. Records: 1934-62.							
Mar. 29	4.10	Sept. 30	2.85	Mar. 29	8.25	Oct. 1	9.87
July 4	8.70	Dec. 28	3.50	June 29	7.95	Dec. 24	8.45
<u>19N3E-35aab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Lovell Bros. Depth, 49 ft. Rocks of early Permian age. Highest, 21.93, June 29, 1962; lowest, 39.73, May 24, 1939. Records: 1934-62.							
Mar. 29	27.08	Sept. 30	24.35	Mar. 29	23.28	Oct. 1	26.58
July 4	23.20	Dec. 28	23.05	June 29	21.93	Dec. 24	27.43

1961				1962			
<u>19N-4E-15cbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Mrs. Vern G. Phelps. Depth, 21 ft. Rocks of early Permian age. Highest, 1.39, Mar. 21, 1958; lowest, 7.92, Oct. 26, 1956. Records: 1934-62.							
Mar. 29	3.36	Sept. 30	3.85	Mar. 29	2.16	Oct. 1	4.16
July 4	3.38	Dec. 28	2.39	June 29	2.90	Dec. 24	3.85
<u>20N-2E-21ccd1.</u> SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, Simon A. Laughlin. Depth, 41 ft. Rocks of early Permian age. Highest, 10.95, Apr. 29, 1952; lowest, 36.29, Apr. 5, 1937. Records: 1934-62.							
Mar. 29	19.44	Sept. 30	17.60	Mar. 29	15.70	Oct. 1	19.20
July 4	15.68	Dec. 28	14.10	June 29	16.35	Dec. 24	17.70
<u>20N-3E-23bab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, V. D. Hesser. Depth, 27 ft. Rocks of early Permian age. Highest, 1.20, May 27, 1943; lowest, 14.41, Mar. 1, 1957. Records: 1934-62.							
Mar. 29	7.18	Sept. 30	5.23	Mar. 29	2.88	Oct. 1	7.13
July 4	5.10	Dec. 28	2.63	June 29	4.23	Dec. 24	5.83

PONTOTOC COUNTY

1961			1962		
1N-5E-27dc1. SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Norris estate. Depth, 2,500+ft. Arbuckle Group. Well equipped with water-level recorder. Highest, 41.15, May 31, 1960; lowest, 87.86, Sept. 5, 1959. Records: 1959-62.					
Day	Jan.	July	Day	Jan.	July
5	52.46	60.39	5	51.52	57.23
10	51.82	60.09	10	51.88	57.65
15	.....	61.62	10	52.02	58.26
20	.....	61.08	20	52.42	58.57
25	.....	62.87	25	52.64	59.09
eom	.....	63.64	eom	53.39	59.62
	Feb.	Aug.		Feb.	Aug.
5	.....	64.17	5	54.02	60.12
10	.....	64.95	10	54.46	60.74
15	54.40	65.55	15	55.12	61.43
20	54.72	66.13	20	55.63	62.09
25	55.19	66.80	25	56.25	63.81
eom	55.62	.....	eom	57.84	63.53
	Mar.	Sept.		Mar.	Sept.
5	55.80	.....	5	57.52	64.06
10	56.30	.....	10	57.82	.....
15	56.78	67.91	15	58.70	.....
20	57.14	68.23	20	59.18	58.63
25	57.58	68.83	25	59.92	58.58
eom	56.63	69.35	eom	60.60	58.86
	Apr.	Oct.		Apr.	Oct.
5	54.40	69.28	5	61.02	59.23
10	53.47	69.33	10	61.23	59.84
15	53.17	65.93	15	61.88	58.57
20	52.91	64.99	20	62.22	58.24
25	51.86	64.95	25	62.65	58.65
eom	52.14	64.83	eom	61.34	56.26
	May	Nov.		May	Nov.
5	52.44	65.26	5	60.98	54.90
10	51.96	65.30	10	60.97	54.66
15	53.42	65.70	15	61.36	54.76
20	53.86	66.09	20	61.75	54.99
25	54.35	62.70	25	62.10	55.61
eom	55.02	60.64	eom	62.60	51.64
	June	Dec.		June	Dec.
5	56.65	60.06	5	60.90	49.61
10	57.26	58.32	10	59.12	48.50
15	57.97	55.97	15	57.08	48.10
20	58.54	53.58	20	56.65h	48.14
25	59.30	51.98	25	56.64	47.32
eom	59.86	51.62	eom	56.96	46.65

1961			1962		
1N-6E-4cad1. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, J. Brent. Depth, 1,707 ft. Arbuckle Group. Well equipped with water-level recorder. Highest, 105.92, Feb. 20, 1960; lowest, 122.39, May 5, 1959. Records: 1959-62.					
Day	Jan.	July	Day	Jan.	July
5	110.09	112.54	5	106.26	110.53
10	109.70	112.83	10	106.71	110.78
15	.....	112.93	15	106.96	111.11
20	.....	112.99	20	107.34	111.38
25	.....	113.33	25	107.71	111.74
eom	.....	113.73	eom	108.36	112.15
	Feb.	Aug.		Feb.	Aug.
5	.....	114.01	5	108.92	112.40
10	.....	114.36	10	109.25	112.80
15	111.14	114.68	15	109.67	113.18
20	111.25	114.97	20	110.03	113.58
25	111.38	115.28	25	110.49	114.00
eom	111.60	115.54	eom	110.84	114.29
	Mar.	Sept.		Mar.	Sept.
5	111.68	115.89	5	111.19	114.68
10	111.90	116.14	10	111.36	114.46
15	112.06	115.92	15	111.85	113.92
20	112.06	115.92	20	112.06	112.43
25	112.43	115.91	25	112.44	112.24
eom	112.14	115.93	eom	112.75	112.25
	Apr.	Oct.		Apr.	Oct.
5	110.90	.....	5	112.89	112.35
10	110.18	.....	10	113.05	112.55
15	109.76	.....	15	113.26	112.05
20	109.48	.....	20	113.30	112.91
25	109.50	.....	25	113.38	113.05
eom	109.55	113.42h	eom	112.93	112.02
	May	Nov.		May	Nov.
5	109.61	113.72	5	112.60	111.13
10	109.85	113.75	10	112.35	110.76
15	110.00	113.96	15	112.40	110.68
20	110.27	114.13	20	112.46	110.81
25	110.46	112.93	25	112.59	111.13
eom	110.80	112.68	eom	112.78	109.74
	June	Dec.		June	Dec.
5	110.97	111.99	5	112.56	108.62
10	111.21	111.42	10	111.78	107.81
15	111.50	110.21	15	110.75	107.45
20	111.65	107.74	20	110.35	107.39
25	112.03	106.64	25	110.24	106.75
eom	112.29	106.25	eom	110.38	106.10

1961	1962
<u>4N-5E-25db1.</u> NW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Floyd Poultry Farm. Depth, 110 ft. Boggy Formation. Highest, 105.72, May 17, 1960; lowest, 110.07, Sept. 25, 1955. Records: 1955-62.	

Dec 5 106.99

May 29 107.51

ROGER MILLS COUNTY

1961			1962		
<u>12N-22W-7da1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Clarence Fowler. Depth, 308 ft. Rocks of Permian age. Well equipped with water-level recorder. Highest, 5.32, Dec. 15, 1962; lowest, 10.72, May 5, 1959. Records: 1959-62.					
Day	Jan.	July	Day	Jan.	July
5	....	5.81	5	....	....
10	....	5.86	10	6.01	....
15	....	....	15	5.83	....
20	....	5.73	20	5.85	....
25	....	5.81	25	5.73	5.77h
eom	....	5.81	eom	5.85	5.78
	Feb.	Aug.		Feb.	Aug.
5	6.37	5.86	5	5.86	5.61
10	6.29	5.84	10	5.78	5.71
15	6.31	5.83	15	5.80	5.75
20	6.29	5.89	20	5.82	5.75
25	6.23	5.81	25	5.82	5.78
eom	6.29	....	eom	5.85	5.78
	Mar.	Sept.		Mar.	Sept.
5	6.18	....	5	5.87	5.81
10	....	....	10	5.65	5.73
15	6.19	....	15	....	5.70
20	6.17	....	20	....	5.62
25	6.11	....	25	5.82	5.53
eom	6.08	....	eom	5.85	5.52
	Apr.	Oct.		Apr.	Oct.
5	6.15	....	5	5.87	5.45
10	6.08	....	10	5.83	5.47
15	6.15	....	15	5.94	5.49
20	6.04	5.77	20	5.87	5.45
25	6.10	5.92	25	....	5.52
eom	6.10	5.78	eom	....	5.47
	May	Nov.		May	Nov.
5	5.93	5.86	5	....	5.45
10	6.07	5.68	10	....	5.40
15	6.08	5.71	15	....	5.41
20	6.06	5.71	20	....	5.40
25	6.09	5.66	25	....	5.48
eom	6.10	5.73	eom	6.01h	5.42
	June	Dec.		June	Dec.
5	5.91	5.74	5	....	5.41
10	5.80	5.72	10	....	5.41
15	5.91	5.77	15	....	5.32
20	5.80	....	20	....	5.36
25	5.83	....	25	....	5.44
eom	5.83	....	eom	....	5.38

1961			1962		
13N-22W-34dac1. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, H. C. Reed. Depth, 76 ft. Quartermaster Formation. Well equipped with water-level recorder. Highest, 34, July 1961; lowest 46.88, May 30, 1959. Records: 1959-62.					
Day	Jan.	July	Day	Jan.	July
5	35.12	.....	5	35.88	.....
10	.....	.....	10	36.29	.....
15	.....	.....	15	35.97	.....
20	.....	34.92	20	36.02	.....
25	.....	34.08	25	35.85	37.78h
eom	.....	34.00	eom	36.13	37.72
	Feb.	Aug.		Feb.	Aug.
5	.....	34.03	5	.....	37.54
10	.....	.....	10	36.28	37.58
15	.....	.....	15	36.34	37.61
20	.....	.....	20	36.41	37.55
25	.....	.....	25	36.46	37.63
eom	35.33	34.67	eom	36.69	37.50
	Mar.	Sept.		Mar.	Sept.
5	.....	34.86	5	36.70	37.60
10	.....	34.80	10	36.37	37.58
15	.....	35.06	15	.....	37.50
20	.....	34.66	20	36.65	37.56
25	.....	35.05	25	36.85	37.49
eom	35.43	35.00	eom	36.87	37.41
	Apr.	Oct.		Apr.	Oct.
5	35.55	34.98	5	36.88	37.32
10	35.42	34.94	10	36.88	37.39
15	.....	35.28	15	37.11	37.28
20	.....	35.20	20	36.97	37.41
25	.....	.....	25	.....	37.61
eom	.....	.....	eom	.....	37.45
	May	Nov.		May	Nov.
5	35.13	35.54	5	.....	37.38
10	35.20	35.15	10	37.24	37.31
15	35.19	35.36	15	37.35	37.37
20	35.12	35.47	20	37.43	37.35
25	35.23	35.41	25	37.40	37.58
eom	35.04	35.54	eom	37.59	37.49
	June	Dec.		June	Dec.
5	35.06	35.65	5	37.64	37.58
10	34.96	35.73	10	37.75	37.59
15	35.07	35.79	15	37.70	37.42
20	34.86	35.83	20	37.85	37.56
25	.....	35.81	25	37.85	37.71
eom	.....	.....	eom	37.85	37.60

15N-24W-11da1. NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, J. W. Millhouse. Depth 53 ft. Rocks of Permian age. Highest, 21.20, 1949; lowest, 26.80, June 16, 1958. Records: 1949; 1951-55; 1957-58; 1960-62.

Aug.	2	24.43	Nov.	15	24.10	Mar.	8	24.35	Sept.	26	23.99
Oct.	25	24.25	Dec.	6	24.46	Mar.	29	24.62	Nov.	14	23.82
						May	24	24.70			

SEMINOLE COUNTY

1961	1962
<u>9N-6E-17bbc1.</u> SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Kerr-McGee Oil Industries, Inc., formerly Skelly Gas Corp. Depth, 496 ft. Vamoosa Formation. Highest, 78.05, May 27, 1960; lowest, 115.88, Sept. 28, 1948. Records: 1948-60.	

No measurements in 1961 or 1962--obstruction 81 ft below 1sd.

SEQUOYAH COUNTY

1961					1962						
10N-26E-22add1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 34 ft. Lsd, 424. Alluvium. Highest, 12.82, Feb. 28, 1958; lowest, 17.66, June 29, 1961. Records: 1958-62.											
Jan.	4	16.60	Aug.	1	16.38	Jan.	26	15.78	Aug.	31	17.08
Feb.	7	16.90	Aug.	29	16.20	Feb.	22	15.80	Sept.	27	17.23
Mar.	7	17.20	Sept.	26	16.25	Mar.	20	15.95	Oct.	23	17.37
Apr.	1	17.42	Oct.	24	16.22	May	15	16.54	Nov.	20	17.31
May	3	17.59	Nov.	14	16.24	June	12	16.68	Dec.	19	17.51
May	31	17.22	Dec.	12	16.30	July	11	16.79			
June	29	17.66				Aug.	7	16.93			

TEXAS COUNTY

1961			1962		
1N-12E-35bdd. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Otto Harlund. Depth, 386 ft. Ogallala Formation. Well equipped with water-level recorder. Highest, 188.80, May 20, 1957; lowest, 189.99, Feb. 25, 1958. Records: 1956-62.					
Day	Jan.	July	Day	Jan.	July
5	189.17	189.10	5	.....	189.19
10	189.25	.....	10	.....	189.18
15	189.23	189.06	15	189.36	189.28
20	189.28	189.03	20	.....	189.21h
25	189.14h	189.17	25	.....	189.24
eom	189.20	189.08	eom	.....	189.20
	Feb.	Aug.		Feb.	Aug.
5	189.34	189.15	5	.....	189.10
10	189.21	189.15	10	.....	189.15
15	189.28	189.10	15	189.33	189.16
20	189.22h	189.23	20	.....	189.20
25	189.22	189.02	25	.....	189.34
eom	189.29	188.99	eom	189.37h	189.26
	Mar.	Sept.		Mar.	Sept.
5	189.15	189.19	5	189.43	189.33
10	189.21	.....	10	189.97	189.32
15	189.12	189.33	15	189.24	189.22
20	189.28	189.94	20	189.14	.....
25	189.05	189.39	25	189.61	189.22
eom	189.21	189.21	eom	189.27	189.27
	Apr.	Oct.		Apr.	Oct.
5	189.32	189.10	5	189.20	189.04
10	189.09	189.21	10	189.24	189.28
15	189.45	189.37	15	189.29	189.34
20	189.16	189.20	20	188.97	189.22
25	189.29	189.49	25	189.09	189.35
eom	189.10	189.31	eom	189.42	189.14
	May	Nov.		May	Nov.
5	189.13	189.57	5	189.27	189.10
10	189.18	189.01	10	189.14	189.01
15	189.33	189.10	15	189.22	189.11
20	189.19	189.27	20	189.20	189.01
25	189.29	189.23	25	189.15	189.28
eom	189.03	189.09	eom	189.32	189.16
	June	Dec.		June	Dec.
5	189.07	189.34	5	189.23	189.32
15	189.06	189.35	10	189.28	189.21
15	189.29	189.33	15	189.08	189.06
20	189.13	189.30	20	189.25	189.24
25	189.15	189.47	25	189.23	189.31
eom	189.18	189.36	eom	189.18	189.11

1961				1962							
<u>1S-16E-5bab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Depth, 203 ft. Ogallala Formation. Highest, 187.21, Apr. 25, 1958; lowest, dry at 203, May 16, 1962. Records: 1957-62.											
May	10	195.04		May	16	f					
<u>1N-10E-28bcb1.</u> NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Roy Wonley. Ogallala Formation. Highest, 199.31, May 28, 1957; lowest, 205.90, Sept. 29, 1958. Records: 1956-62.											
May	26	202.52									
Measurement discontinued.											
<u>1N-13E-26dbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$. Ogallala Formation. Highest, 146.22, July 26, 1956; lowest, 146.88, May 17, 1962. Records: 1956-62.											
May	26	146.68		May	17	146.88					
<u>1N-18E-28ccb1.</u> NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Ogallala Formation. Highest, 100.15, May 19, 1959; lowest, 162.27, Sept. 25, 1958. Records: 1956-62.											
May	10	101.82									
Measurement discontinued											
<u>2N-10E-12bcb1.</u> NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, E. E. Ricktt. Depth, 162 ft. Ogallala Formation. Highest, 147.22, Sept. 29, 1958; lowest, 151.80, Nov. 4, 1937. Records: 1937; 1956-62.											
May	26	147.50		May	17	146.80					
<u>2N-12E-15aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Morris Freeman. Depth, 96 ft. Ogallala Formation. Highest, 10.88, Sept. 26, 1958; lowest, 13.40, Aug. 2, 1956. Records: 1953; 1956-58; 1961-62.											
May	9	12.48		May	17	11.70					
<u>2N-16E-5cbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, A. R. Erhart. Depth, 425 ft. Ogallala Formation. Highest, 153.00, Feb. 2, 1957; lowest, 162.76, Nov. 9, 1956. Records: 1956-62.											
May	26	158.03									
<u>2N-17E-15abb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 10 ft. Alluvium. Highest, 2.83, July 20, 1950; lowest, 7.96, Oct. 26, 1953. Records: 1946-62.											
Jan.	3	5.54	Aug.	4	4.33	Jan.	5	4.93	Aug.	17	4.03
Feb.	15	5.49	Sept.	26	5.60	Feb.	13	5.06	Sept.	10	4.26
Apr.	7	5.21	Oct.	10	5.87	Mar.	5	5.22	Oct.	5	4.18
May	9	5.30	Nov.	6	5.98	Apr.	24	4.92	Nov.	19	5.14
June	6	5.18	Dec.	8	6.03	May	16	5.09	Dec.	21	5.01
July	11	3.82				July	20	4.22			

1961				1962			
------	--	--	--	------	--	--	--

3N-11E-5abb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, C. F. Webb. Depth, 109 ft. Lsd, 3,533. Ogallala Formation. Highest, 84.16, Apr. 25, 1958; lowest, 89.40, Oct. 30, 1944. Records: 1938; 1942-62.

Jan.	3	87.67	Aug.	4	86.21	Jan.	5	87.54	Aug.	17	88.24
Feb.	17	88.48	Sept.	26	86.76	Feb.	12	87.14	Sept.	11	88.13
Apr.	7	88.56	Oct.	9	88.57	Mar.	5	88.03	Oct.	5	88.04
May	20	87.01	Nov.	22	87.36	Apr.	25	88.26	Nov.	19	87.98
July	11	86.67	Dec.	7	88.63	July	31	89.02	Dec.	13	88.08

3N-13E-25bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Robbins Ranch. Depth, 57 ft. Rocks of Triassic age. Highest, 41.16, Nov. 5, 1956; lowest, 43.10, Apr. 29, 1947. Records: 1937-62.

May	26	42.27	May	17	42.48
-----	----	-------	-----	----	-------

3N-15E-12dc1. SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 18 ft. Alluvium. Highest, 7.85, Apr. 27, 1947; lowest, 10.80, June 12, 1958. Records: 1946-62,

May	10	9.32
-----	----	------

3N-15E-18ccc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, W. N. Ballinger. Depth, 30 ft. Alluvium. Highest, 4.50, Oct. 26, 1946; lowest, 9.39, July 26, 1938. Records: 1937-62.

May	26	6.69	May	16	6.81
-----	----	------	-----	----	------

3N-17E-6bab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, August Lorenz. Lsd, 2,931. Ogallala Formation. Highest, 86.61, Sept. 25, 1958; lowest, 97.96, May 10, 1961.

May	10	97.96	May	16	87.04
-----	----	-------	-----	----	-------

3N-19E-26cd1. SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, O. Jolliff. Depth, 120 ft. Lsd, 2,766. Ogallala Formation. Highest, 101.60, June 14, 1954; lowest, 105.40, May 16, 1946. Records: 1937-57; 1960-62.

May	10	102.90	May	16	102.97
-----	----	--------	-----	----	--------

4N-12E-24dda1. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Donald Nicholas. Depth, 177 ft. Ogallala Formation. Highest, 150.20, May 18, 1960; lowest, 152.99, Nov. 13, 1956. Records: 1952-62.

May	25	150.26	May	16	150.32
-----	----	--------	-----	----	--------

4N-14E-12cbc1. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Ogallala Formation. Highest, 181.00, July 24, 1956; lowest, 187.02, May 16, 1962. Records: 1956-62.

May	26	182.67	May	16	187.02
-----	----	--------	-----	----	--------

1961	1962
<u>4N-17E-34bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, George Hoferber. Depth, 142 ft. Lsd, 2,935. Ogallala Formation. Highest, 110.68, May 10, 1960; lowest, 119.70, Nov. 23, 1940. Records: 1937-59; 1960; 1962.	
May 10 92.22	May 16 110.95
<u>4N-19E-21cbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, R. M. Van Hyning. Depth, 280 ft. Lsd, 2,820. Ogallala Formation. Highest, 91.71, May 17, 1962; lowest, 104.06, Sept. 20, 1938. Records: 1937-62.	
May 10 92.22	May 17 91.71
<u>5N-11E-2ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, J. W. Chatwall. Depth, 200 ft. Ogallala Formation. Highest, 175.92, Jan. 24, 1958; lowest, 186.89, Nov. 13, 1956. Records: 1937-62.	
May 26 182.18	May 16 181.90
<u>5N-13E-4cbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, H. L. Jullian. Depth, 297 ft. Ogallala Formation. Highest, 218.87, June 11, 1958; lowest, 235.84, May 26, 1960. Records: 1956-62.	
No measurements in 1961 or 1962.	
<u>5N-15E-23ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Ogallala Formation. Highest, 133.45, July 24, 1956; lowest, 137.70, May 10, 1960. Records: 1956-62.	
May 10 135.61	May 16 136.80
<u>5N-17E-27bbc1.</u> SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Lester Wiggins. Depth, 360 ft. Rocks of Tertiary age. Highest, 122.23, June 17, 1958; lowest, 131.02, Mar. 13, 1953. Records: 1949; 1953-62.	
May 26 123.16	May 16 129.91
<u>6N-15E-27cdd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, A. M. Fankhauser. Depth, 167 ft. Lsd, 3,175. Ogallala Formation. Highest, 141.05, May 10, 1960; lowest, 148.47, Oct. 21, 1942. Records: 1937-42; 1946-50; 1952-62.	
May 26 146.97	May 16 141.38
<u>6N-16E-22aba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, C. A. Rahm. Depth, 145 ft. Lsd, 3,118. Ogallala Formation. Highest, 99.40, Sept. 30, 1957; lowest, 122.87, Sept. 24, 1940. Records: 1937-49; 1952-55; 1957-62.	
May 26 101.63	May 16 101.09

1961			1962		
<u>6N-17E-22cbc1.</u> SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner. Mrs. Guard. Depth, 124 ft. Ogallala Formation. Highest, 95.13, May 16, 1962; lowest, 110.77, Dec. 14, 1937. Records: 1937; 1956-62.					
May	22	96.30	May	16	95.13
<u>6N-19E-22dab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Ogallala Formation. Highest, 84.37, Jan. 14, 1958; lowest, 86.53, June 6, 1958. Records: 1956-62.					
May	10	86.12	May	17	85.27

1961			1962		
6N-18E-25cc1. SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, H. W. Cain. Depth, 99 ft. Ogallala Formation Well equipped with water-level recorder. Highest, 78.91, Dec. 31, 1962; lowest, 82.50, Sept. 6, 1956. Records: 1956-62.					
Day	Jan.	July	Day	Jan.	July
5	80.53	80.61	5	79.60h	70.00
10	80.53	.....	10	79.77	79.03
15	80.53	80.54	15	79.54	79.57
20	80.60	80.50	20	79.45	79.65
25	80.55h	.....	25	79.32	79.72
eom	80.60	.....	eom	79.45	79.59
	Feb.	Aug.		Feb.	Aug.
5	80.75	80.61	5	79.46	79.41
10	80.66	80.60	10	.....	79.55
15	80.68	.....	15	79.27	79.70
20	80.50h	.....	20	79.33	79.68
25	80.56	.....	25	79.33	79.77
eom	80.51	.....	eom	79.37	79.69
	Mar.	Sept.		Mar.	Sept.
5	80.38	.....	5	79.38	79.77
10	80.47	.....	10	79.03	79.68
15	80.38	80.37	15	79.26	79.63
20	80.57	80.05	20	79.03	.....
25	80.34	80.32	25	79.27	79.68
eom	80.37	.....	eom	79.24	79.58
	Apr.	Oct.		Apr.	Oct.
5	80.46	.....	5	79.13	79.49
10	80.33	.....	10	79.06	79.42
15	80.54	80.17	15	79.16	79.44
20	80.36	.....	20	79.00	79.34
25	80.53	.....	25	79.09	79.39
eom	80.42	.....	eom	79.21	79.30
	May	Nov.		May	Nov.
5	80.33	.....	5	79.09	79.16
10	80.48	79.75	10	79.14	79.07
15	80.55	79.89	15	79.25	79.02
20	80.48	79.80	20	79.29	79.08
25	80.56	79.73	25	79.16	79.16
eom	80.40	79.74	eom	79.34	79.05
	June	Dec.		June	Dec.
5	.....	79.72	5	79.24	79.06
10	80.38	79.68	10	79.25	78.98
15	80.62	79.68	15	79.11	.....
20	80.59	79.67	20	79.28	.....
25	80.61	79.56	25	79.33	78.95
eom	80.68	79.67	eom	78.92	78.91

TILLMAN COUNTY

1961
1962

1N-17W-31dcd1. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, M. H. Swartz. Depth, 43 ft. Lsd, 1,370. Terrace deposit. Highest, 18.07, Sept. 30, 1957; lowest, 34.50, Dec. 9, 1952. Records: 1952-62.

Jan. 16	28.38	July 31	28.61	Jan. 30	28.37	May 22	28.59
Feb. 13	28.34	Sept. 5	28.72	Mar. 6	28.35	June 28	28.27
Mar. 13	28.27	Sept. 25	28.69	Mar. 27	28.33	Aug. 27	28.72
Apr. 18	28.22	Oct. 23	28.60	Apr. 24	28.30	Sept. 24	28.66
May 16	28.33	Nov. 13	28.49				
June 20	28.31	Dec. 4	28.38				

1N-18W-1cba1. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, James Riggs. Depth, 34 ft. Alluvium. Highest, 5.90, June 20, 1961; lowest, 12.50, Jan. 22, 1957. Records: 1953-62.

Jan. 16	8.77	July 11	7.19	Jan. 30	10.11	June 28	6.01
Feb. 13	9.03	July 31	8.09	Mar. 6	10.19	Aug. 27	9.95
Mar. 13	8.95	Sept. 25	9.15	Mar. 27	10.30	Sept. 24	10.31
Apr. 18	8.63	Oct. 23	9.59	Apr. 24	9.42	Oct. 16	10.56
May 16	9.12	Nov. 13	9.79	May 22	10.57	Nov. 12	10.69
June 20	5.90	Dec. 4	9.80				

1N-18W-29ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, G. W. Trimue. Depth, 42 ft. Lsd, 1,747. Terrace deposit. Highest, 18.38, June 2, 1947; lowest, 34.90, Aug. 16, 1954. Records: 1944-62.

Jan. 16	20.07	July 31	20.69	Jan. 30	20.07	June 28	20.63
Feb. 13	19.97	Sept. 5	20.77	Mar. 6	20.08	Aug. 27	21.27
Mar. 13	19.90	Sept. 25	20.46	Mar. 27	20.20	Sept. 24	21.15
Apr. 18	19.79	Oct. 23	20.52	Apr. 24	20.62	Oct. 16	21.01
May 16	19.78	Nov. 13	20.41	May 22	21.05	Nov. 12	19.91
June 20	20.03	Dec. 4	20.20				

1N-19W-25bc1. SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Mollie Cody. Depth, 54 ft. Terrace deposit. Highest, 16.00, July 22, 1958; lowest, 23.29, Apr. 5, 1957. Records: 1952-62.

Jan. 16	19.08	July 31	18.69	Jan. 30	19.61	June 28	16.68
Feb. 13	19.03	Sept. 5	19.25	Mar. 6	19.61	Aug. 27	18.18
Mar. 13	18.85	Sept. 25	19.27	Mar. 27	19.65	Sept. 24	18.55
Apr. 18	18.42	Oct. 23	19.37	Apr. 24	19.86	Nov. 12	18.90
May 16	18.53	Nov. 13	19.57	May 22	19.81		
June 20	18.17	Dec. 4	19.52				
July 11	18.22						

1S-19W-2bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Leon Stansell. Depth, 41 ft. Lsd, 1,273. Terrace deposit. Highest, 23.11, June 4, 1953; lowest, 29.54, Sept. 17, 1956. Records: 1952-59; 1962.

	May 22	26.78	Sept. 24	27.69
	June 28	25.95	Oct. 16	27.28
	Aug. 27	29.06a	Nov. 12	27.00

1961				1962			
------	--	--	--	------	--	--	--

1S-19W-10baa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, I. W. Kinney. Depth, 45 ft. Lsd, 1,265. Terrace deposit. Highest, 21.11, Oct. 19, 1949; lowest, 31.11, Aug. 25, 1954. Records: 1949-50; 1952-62.

Jan. 16	23.14	July 11	22.50	Jan. 30	23.36	June 28	23.21
Feb. 13	23.02	Sept. 5	26.90	Mar. 6	23.39	Sept. 24	25.70
Mar. 13	22.96	Sept. 25	24.94	Mar. 27	23.39	Oct. 16	24.90
Apr. 18	23.96	Oct. 23	24.03	Apr. 24	23.63	Nov. 12	24.28
May 16	22.84	Nov. 13	23.84	May 22	23.49		
June 20	22.73	Dec. 4	23.59				

1S-19W-25daa1. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Southwestern Cotton Substation. Depth, 54 ft. Terrace deposit. Highest, 18.38, June 2, 1947; lowest, 34.90, Aug. 16, 1954. Records: 1944-62.

Jan. 16	20.61	July 31	26.38c	Jan. 30	20.76	June 28	19.22
Feb. 13	20.56	Sept. 5	24.61	Mar. 6	22.06	Aug. 27	29.17c
Mar. 13	20.54	Sept. 25	22.03	Mar. 27	22.79	Sept. 24	21.95
Apr. 18	20.26	Oct. 23	21.34	Apr. 24	22.79	Oct. 16	21.56
May 16	21.39	Nov. 13	21.30	May 22	22.47	Nov. 12	21.02
June 20	20.61	Dec. 4	21.00				
July 11	22.74						

2S-19W-14dbc1. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Walter Ray. Depth, 60 ft. Lsd, 1,274. Terrace deposit. Highest, 30.81, Mar. 6, 1962; lowest, 37.25, Aug. 22, 1955. Records: 1953-62.

Jan. 16	32.29	Nov. 13	32.18	Mar. 6	30.81	Oct. 16	32.43
Apr. 18	32.04	Dec. 4	32.00	May 22	31.84	Nov. 12	32.21
July 11	31.91			Sept. 24	32.58		

3S-19W-2ab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Banker. Depth, 60 ft. Terrace deposit. Highest, 26.58, Sept. 25, 1961; lowest, 35.09, Aug. 26, 1954. Records: 1952-62.

Jan. 16	26.99	Aug. 31	26.75	Jan. 30	27.02	June 28	27.10
Feb. 13	27.00	Sept. 5	26.85	Mar. 6	27.04	Aug. 27	27.00
Mar. 13	26.98	Sept. 25	26.58	Mar. 27	27.09	Sept. 24	26.94
Apr. 18	26.92	Oct. 23	26.88	Apr. 24	27.18	Oct. 16	26.89
May 16	26.96	Nov. 13	27.00	May 22	27.24	Nov. 12	26.70

3S-19W-22baa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Harold Grand. Depth, 48 ft. Lsd, 1,221. Terrace deposit. Highest, 24.96, Nov. 12, 1962; lowest, 36.09, May 6, 1957. Records: 1953-62.

Jan 16	34.35	Feb. 13	34.32	May 22	26.53	Sept. 24	27.98
				June 28	26.60	Oct. 16	25.14
				Aug. 27	26.60	Nov. 12	24.96

WAGONER COUNTY

1961			1962		
16N-18E-22aaa2. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 32 ft. Lsd, 524. Alluvium. Well equipped with water-level recorder. Highest, 14.53, May 15, 1960; lowest, 19.29, Feb. 15, 1961. Records: 1960-62.					
Day	Jan.	July	Day	Jan.	July
5	19.11	16.85	5	.....	.....
10	19.15	17.01	10	16.81	18.01
15	19.14	17.12	15	16.54	18.07
20	19.18	16.96	20	16.68	18.26
25	19.25	15.99	25	16.62	18.35
eom	19.27	16.09	eom	16.61	18.44
	Feb.	Aug.		Feb.	Aug.
5	19.27	16.25	5	16.43	18.41
10	19.27	16.46	10	16.49	18.56
15	19.29	16.92	15	16.58	18.66
20	19.22	17.10	20	16.72	18.79
25	19.21	17.13	25	16.72	19.06
eom	19.22	17.27	eom	16.92	19.13
	Mar.	Sept.		Mar.	Sept.
5	19.22	17.44	5	16.76	19.21
10	19.20	17.55	10	16.58	19.06
15	19.07	17.61	15	16.86	19.00
20	19.10	17.67	20	16.85	18.87
25	19.13	17.03	25	16.73	18.78
eom	19.15	17.25	eom	16.72	18.71
	Apr.	Oct.		Apr.	Oct.
5	19.07	16.99	5	16.93	18.70
10	18.92	16.77	10	16.65	18.74
15	18.93	16.95	15	16.90	18.77
20	18.98	16.93	20	16.93	18.86
25	18.99	17.03	25	16.89	19.05
eom	19.03	17.06	eom	16.57	18.95
	May	Nov.		May	Nov.
5	19.02	17.05	5	16.82	18.95
10	18.99	16.98	10	16.82	18.98
15	18.85	16.88	15	16.92	19.00
20	18.21	16.96	20	.....	19.01
25	17.50	16.82	25	.....	19.12
eom	17.15	16.88	eom	.....	19.12
	June	Dec.		June	Dec.
5	16.99	16.78	5	.....	19.07
10	16.75	16.74	10	.....	19.14
15	16.78	.....	15	.....	19.08
20	16.71	.....	20	.....	19.06
25	16.70	.....	25	.....	19.16
eom	16.76	.....	eom	.....	19.18

WASHITA COUNTY

1961				1962							
9N-14W-5daa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, D. M. Holland. Depth, 162 ft. Rush Springs Sandstone. Highest, 123.08, May 20, 1950; lowest, 125.16, May 27, 1950. Records: 1949-62.											
Jan.	17	124.40	Aug.	9	124.19	Jan.	16	124.61	Sept.	11	123.88
Mar.	13	124.22	Sept.	11	124.10	Feb.	21	124.00	Oct.	3	124.01
Apr.	10	124.13	Oct.	11	124.29	May	30	124.11	Nov.	4	124.20
May	12	123.94	Nov.	7	124.55	June	30	124.11	Dec.	3	124.17
June	14	124.30	Dec.	7	124.28	July	26	124.26			
July	14	124.18									

10N-14W-35ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, W. A. Bennett. Depth, 91 ft. Rush Springs Sandstone. Highest, 71.59, Jan. 4, 1953; lowest, 76.41, Nov. 29, 1952. Records: 1951-62.

Jan. 17	74.99	Aug. 9	74.73	Jan. 16	74.68	July 26	74.29
Mar. 13	74.93	Sept. 11	74.68	Feb. 21	74.48	Sept. 11	74.25
Apr. 10	74.79	Oct. 11	74.76	May 4	74.34	Oct. 3	74.16
May 12	74.72	Nov. 7	74.67	May 30	74.39	Nov. 4	74.10
June 14	74.87	Dec. 7	74.54	June 30	73.35	Dec. 3	74.48

1961	1962
------	------

10N-19W-7ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 226 ft. Lsd, 1,955. Elk City Member, Quartermaster Formation. Well equipped with water-level recorder. Highest, 4.36, Nov. 10, 1961; lowest, 7.04, Sept. 10, 1961. Records: 1961-62.

Day	Jan.	July	Day	Jan.	July
5	5.68	5	5.20	5.24
10	5.94	10	5.69	5.48
15	5.64	15	5.38	5.74
20	20	5.40	5.90
25	6.06	25	5.24	5.88
eom	6.22	eom	5.43	5.79
	Feb.	Aug.		Feb.	Aug.
5	6.51	5	5.68	5.38
10	6.73	10	5.61	5.68
15	6.67	15	5.63	5.92h
20	6.76	20	5.74	6.17
25	6.61	25	5.77	6.51
eom	6.71	eom	6.03	6.68
	Mar.	Sept.		Mar.	Sept.
5	7.02	5	6.07	6.90
10	7.04	10	5.62	6.76
15	6.32	15	6.00	6.66
20	5.98	20	5.76	5.93
25	5.36	25	6.11	5.58
eom	5.18	eom	6.09	5.76
	Apr.	Oct.		Apr.	Oct.
5	5.29	5	6.03	5.75
10	5.41	10	6.03	5.74
15	5.67	15	6.22	5.86
20	5.63	20	5.92	5.89
25	6.07	25	6.09	5.93
eom	5.88	eom	6.26	5.91
	May	Nov.		May	Nov.
5	4.86	5	6.08	5.90
10	4.36	10	6.07	5.80
15	4.64	15	6.20	5.90
20	4.39	20	6.21	5.11
25	4.41	25	6.18	5.40
eom	4.59	eom	6.18	5.33
	June	Dec.		June	Dec.
5	4.76	5	6.02	5.32
10	4.78	10	5.02	5.30
15	15	4.62	5.19
20	5.22	4.98	20	4.82	5.42
25	5.38	4.90	25	5.03	5.61
eom	5.58	5.31	eom	5.05	5.44

1961	1962
------	------

10N-19W-10bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 162 ft. Lsd, 1,921. Elk City Member, Quartermaster Formation. Well equipped with water-level recorder. Highest, 35.01, Dec. 31, 1962; lowest, 38.92, June 16, 1961
Records: 1961-62.

Day	Jan.	July	Day	Jan.	July
5	5	35.43	35.23
10	10	35.46	35.22
15	15	35.40	35.24
20	20	35.35	35.25
25	36.59	25	35.32	35.25
eom	36.53	eom	35.32	35.24
	Feb.	Aug.		Feb.	Aug.
5	36.55	5	35.38	35.21
10	35.80	10	35.33	35.24
15	35.78	15	35.35	35.24
20	35.75	20	35.33	35.18
25	35.73	25	35.33	35.19
eom	35.70	eom	35.38	35.19
	Mar.	Sept.		Mar.	Sept.
5	35.73	5	35.37	35.18
10	35.69	10	35.31	35.19
15	35.75	15	35.32	35.15
20	35.69	20	35.33	35.17
25	35.74	25	35.34	35.13
eom	35.71	eom	35.32	35.13
	Apr.	Oct.		Apr.	Oct.
5	35.66	5	35.30	35.01
10	35.65	10	35.32	.....
15	35.65	15	35.35	.....
20	35.63	20	35.28	.....
25	35.69	25	35.29	.....
eom	35.62	eom	35.34	.....
	May	Nov.		May	Nov.
5	35.68	5	35.30	.....
10	35.55	10	35.30	35.10
15	35.60	15	35.32	35.09
20	35.55	20	35.38	35.03
25	35.51	25	35.37	35.07
eom	35.48	eom	35.35	35.02
	June	Dec.		June	Dec.
5	35.54	5	35.48	35.06
10	35.51	10	35.31	35.07
15	35.46	15	35.26	35.02
20	35.44	20	35.25	35.04
25	35.38	25	35.27	35.05
eom	35.44	eom	35.23	35.01

1961	1962
------	------

10W-19W-11aaa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 220 ft. Lsd, 1,895. Elk City Member, Quartermaster Formation. Well equipped with water-level recorder. Highest, 17.27, Nov. 20, 1961; lowest, 20.00, Sept. 5, 1961. Records: 1961-62.

Day	Jan.	July	Day	Jan.	July
5	17.45	5	17.67	17.76
10	17.56	10	18.09	18.05
15	17.54	15	.....	18.13
20	20	.....	18.20
25	17.58	25	.....	18.14
eom	17.50	eom	.....	18.10
	Feb.	Aug.		Feb.	Aug.
5	17.64	5	.....	17.93
10	17.68	10	.....	18.07
15	17.65	15	17.85	18.34
20	17.64	20	17.75	18.23
25	17.66	25	19.92	18.39
eom	17.60	eom	18.19	18.37
	Mar.	Sept.		Mar.	Sept.
5	17.80	5	18.20	18.44
10	17.70	10	17.66	18.39
15	17.86	15	18.06	18.22
20	17.53	20	17.90	18.24
25	17.90	25	.....	18.03
eom	17.76	eom	.....	17.93
	Apr.	Oct.		Apr.	Oct.
5	17.71	5	.....	17.77
10	17.64	10	.....	.....
15	17.83	15	18.37	.....
20	17.62	20	18.02	.....
25	18.01	25	18.14	.....
eom	17.70	eom	18.37	.....
	May	Nov.		May	Nov.
5	18.00	5	18.19	.....
10	17.40	10	18.20	17.75
15	17.51	15	18.33	17.80
20	17.55	20	18.26	17.61
25	17.40	25	18.31	18.01
eom	17.21	eom	18.33	17.89
	June	Dec.		June	Dec.
5	17.50	5	18.29	18.07
10	17.58	10	19.92	17.90
15	17.50	15	19.91	17.90
20	17.60	17.56	20	17.89	18.03
25	17.59	17.33	25	17.84	18.20
eom	17.50	17.74	eom	17.77	17.91

1961			1962		
10N-19W-14ddd1. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 182 ft. Lsd, 1,880. Elk City Member, Quartermaster Formation. Well equipped with water-level recorder. Highest, 34.13, Mar. 10, 1962; lowest, 36.03, Aug. 10, 1961. Records: 1961-62.					
Day	Jan.	July	Day	Jan.	July
5	.....	34.40	5	34.34	34.59
10	.....	34.30	10	34.45	34.72
15	.....	34.37	15	.....	34.59
20	.....	34.47	20	.....	34.77
25	.....	34.33	25	.....	34.70
eom	.....	34.36	eom	.....	34.73
	Feb.	Aug.		Feb.	Aug.
5	.....	34.42	5	.....	34.59
10	.....	34.53	10	.....	34.79
15	.....	34.47	15	34.20	34.85
20	.....	34.45	20	34.15	34.99
25	.....	34.45	25	34.23	35.04
eom	.....	34.33	eom	34.30	34.89
	Mar.	Sept.		Mar.	Sept.
5	.....	34.41	5	34.35	34.89
10	.....	34.35	10	34.13	34.80
15	.....	34.50	15	34.30	34.79
20	.....	34.30	20	34.29	34.75
25	.....	34.43	25	34.41	34.75
eom	.....	34.45	eom	34.37	34.61
	Apr.	Oct.		Apr.	Oct.
5	.....	34.51	5	34.33	34.50
10	.....	34.35	10	34.35	.....
15	.....	34.50	15	34.40	.....
20	.....	34.39	20	34.34	.....
25	.....	34.62	25	34.31	.....
eom	.....	34.39	eom	34.42	.....
	May	Nov.		May	Nov.
5	.....	34.57	5	34.33	.....
10	.....	34.27	10	34.52	.....
15	.....	34.35	15	34.55	.....
20	.....	34.37	20	34.46	.....
25	.....	34.42	25	34.51	.....
eom	.....	34.28	eom	34.54	.....
	June	Dec.		June	Dec.
5	.....	34.37	5	34.63	.....
10	.....	34.36	10	34.51	.....
15	.....	34.36	15	34.45	.....
20	34.39	34.35	20	34.49	34.46
25	34.43	34.21	25	34.56	34.58
eom	34.41	34.29	eom	34.52	34.45

WOODWARD COUNTY

1961				1962							
<u>20N-17W-5cdc1.</u> SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 13 ft. Lsd, 1,727. Alluvium. Highest, 3.15, May 22, 1957; lowest, dry at 13, Oct. 9, 1956. Records: 1951-62.											
Jan.	20	5.07	Aug.	3	6.36	Jan.	4	5.11	June	25	4.39
Feb.	15	4.63	Aug.	30	5.75	Feb.	2	4.72	July	24	6.09
Mar.	15	5.08	Sept.	28	6.40	Mar.	1	5.15	Aug.	22	6.86
Apr.	13	4.34	Oct.	26	6.57	Mar.	30	5.21	Sept.	19	6.74
May	10	4.14	Nov.	16	5.60	Apr.	26	6.22	Oct.	18	6.24
June	8	4.30	Dec.	7	5.37	May	24	6.12	Nov.	14	6.02
July	6	6.08									
<u>20N-17W-10bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 57 ft. Lsd, 1,723. Terrace deposit. Highest, 7.38, June 8, 1961; lowest, 12.80, May 7, 1957. Records: 1957-62.											
Jan.	20	8.58	Aug.	3	8.62	Jan.	4	8.51	May	24	8.70
Feb.	15	8.52	Aug.	30	8.56	Feb.	22	8.42	June	25	7.91
Mar.	15	8.38	Sept.	28	9.00	Mar.	11	8.37	Aug.	22	9.28
Apr.	13	7.71	Oct.	26	9.15	Mar.	30	8.33	Sept.	19	9.67
May	10	7.40	Nov.	16	8.56	Apr.	26	8.22	Nov.	14	8.80
June	8	7.38	Dec.	7	8.67						
July	6	8.10									
<u>20N-20W-36bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, School land. Depth, 42 ft. Lsd, 2,061. Rush Springs Sandstone. Highest, 33.05, July 21, 1960; lowest, 38.97, June 6, 1957. Records: 1955-62.											
Jan.	16	33.30	Aug.	3	33.38	Jan.	4	33.55	June	26	33.22
Feb.	16	33.32	Aug.	31	33.35	Feb.	1	33.50	Aug.	23	33.31
Mar.	16	33.49	Sept.	27	33.75	Mar.	1	33.67	Sept.	20	33.70
Apr.	13	33.24	Oct.	25	33.54	Mar.	29	33.58	Oct.	17	33.70
May	11	33.24	Nov.	15	33.33	Apr.	26	33.54	Nov.	14	33.77
June	9	32.20	Dec.	6	33.65	May	24	33.63			
July	7	33.25									
<u>20N-22W-36add1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 402 ft. Lsd, 2,374. Ogallala Formation. Highest, 95.02, Sept. 27, 1961; lowest, 96.17, Dec. 14, 1962. Records: 1957-62.											
Jan.	16	95.78	Aug.	3	95.93	Jan.	4	95.85	July	25	96.04
Feb.	16	95.80	Aug.	31	95.82	Feb.	1	95.94	Aug.	23	95.98
Mar.	16	95.84	Sept.	27	95.02	Mar.	1	95.91	Sept.	20	96.04
Apr.	13	95.63	Oct.	25	96.00	Mar.	29	95.99	Act.	1	95.93
May	11	95.80	Nov.	15	95.75	Apr.	26	95.87	Nov.	14	95.93
June	9	95.84	Dec.	6	95.97	May	24	95.90	Dec.	14	96.17
July	7	95.92				June	26	96.00			

1961				1962			
------	--	--	--	------	--	--	--

21N-18W-14aaa1. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Depth, 24 ft. Lsd, 1,773. Terrace deposit. Highest, 18.29, June 15, 1960; lowest, 22.29, Aug. 21, 1957. Records: 1957-62.

Feb. 15	20.44	Aug. 3	20.52	Jan. 4	20.61	May 24	20.76
Mar. 15	20.43	Aug. 30	20.48	Feb. 2	20.72	June 25	19.99
Apr. 13	20.15	Sept. 28	20.60	Mar. 1	20.71	Aug. 22	20.18
May 10	20.01	Oct. 26	20.69	Mar. 30	30.71	Sept. 19	20.44
June 8	20.00	Nov. 16	20.68	Apr. 26	20.70	Nov. 14	20.42
July 6	20.10	Dec. 7	20.66				

21N-18W-27bcb1. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Gene Ellington. Depth, 53 ft. Lsd, 1,805. Terrace deposit. Highest, 38.87, Nov. 14, 1962; lowest, 44.98, Oct. 25, 1957. Records: 1955-62.

No measurements in 1961.				May 25	39.49	Oct. 18	38.95
				June 26	39.54	Nov. 14	38.87
				July 25	39.72		

21N-18W-31bba1. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey, Depth, 16 ft. Lsd, 1,834. Alluvium. Highest, 2.95, June 25, 1957; lowest, 11.82, Feb. 27, 1957. Records: 1952-62.

Jan. 20	6.62	Aug. 3	7.27	Jan. 3	7.07	July 25	7.48
Feb. 16	6.40	Aug. 31	7.49	Feb. 2	6.93	Aug. 23	8.05
Mar. 16	6.43	Sept. 28	7.80	Mar. 2	6.96	Sept. 20	4.74
Apr. 13	5.13	Oct. 26	7.81	Mar. 30	7.03	Oct. 18	6.40
May 11	5.68	Nov. 16	7.47	Apr. 27	7.02	Nov. 14	6.99
June 9	6.26	Dec. 7	7.25	May 25	7.37	Dec. 14	7.05
July 7	6.72			June 26	6.28		

21N-19W-12bbd1. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Joel Price. Depth, 32 ft. Lsd, 1,796. Terrace deposit. Highest, 7.17, June 9, 1961; lowest, 15.46, Nov. 14, 1956. Records: 1956-62.

Jan. 20	7.39	Aug. 3	8.13	Jan. 3	8.46	June 26	8.14
Feb. 16	8.18	Aug. 31	8.53	Feb. 2	8.43	July 25	9.66
Mar. 16	8.20	Sept. 28	9.14	Mar. 2	8.31	Aug. 23	9.84
Apr. 13	7.57	Oct. 26	9.43	Mar. 30	8.59	Sept. 20	9.49
May 11	7.87	Nov. 16	9.28	Apr. 27	8.85	Oct. 18	8.70
June 9	7.17	Dec. 7	8.93	May 25	9.54	Nov. 14	8.68
July 7	7.66						

1961		1962	
<u>21N-19W-24baa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, A. W. Crawford. Depth, 65 ft. Lsd, 1,816. Terrace deposit. Highest, 31.31, Dec. 13, 1960; lowest, dry at 65 , May 8, 1956. Records: 1955-62.			

Jan. 20	31.29	Aug. 3	31.80	Jan. 3	31.68	June 26	32.08
Feb. 16	31.26	Aug. 31	31.78	Feb. 2	31.70	July 25	32.17
Mar. 16	31.38	Sept. 28	31.71	Mar. 2	31.75	Aug. 23	32.24
Apr. 13	31.38	Oct. 26	31.79	Mar. 30	31.83	Sept. 20	32.78
May 11	31.60	Nov. 16	31.76	Apr. 27	31.82	Oct. 18	32.46
June 9	31.67	Dec. 7	31.70	May 25	31.98	Nov. 14	31.92
July 7	31.79						

21N-21W-12cbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Depth, 32 ft. Lsd, 2,109. Ogallala Formation.
Highest, 13.94, June 25, 1957; lowest, 19.60, Oct. 31, 1956. Records: 1956-62.

Jan. 16	15.59	June 9	15.11	Jan. 4	15.82	Sept. 19	18.91
Feb. 16	15.41	July 7	15.53	Feb. 1	15.68	Oct. 18	17.00
Mar. 16	15.34	Aug. 3	15.85	May 24	18.13	Nov. 14	16.80
Apr. 13	14.03	Aug. 31	16.25	June 25	17.01	Dec. 14	16.58
May 11	14.90	Nov. 15	16.09	July 25	17.68		

1961			1962		
21N-22W-23bbb1. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 322 ft. Lsd, 2,335. Ogallala Formation. Well equipped with water-level recorder.					
Highest, 27.32, July 5, 1961; lowest, 29.78, Apr. 20, 1957. Records: 1957-62.					

Day	Jan.	July	Day	Jan.	July
5	.....	27.32	5	27.67	27.61
10	27.48	27.39	10	27.77	27.63
15	27.49h	27.35	15	27.65	27.64
20	27.57	27.37	20	27.62	27.64
25	27.60	27.41	25	27.53	27.80
eom	27.52	27.38	eom	27.62	27.72
	Feb.	Aug.		Feb.	Aug.
5	27.59	27.41	5	27.74	27.65
10	27.54	27.41	10	27.67	27.63
15	27.59	27.42	15	27.70	27.66
20	27.52	27.47	20	27.69	27.66
25	27.53	27.41	25	27.68	27.70
eom	27.57	27.41	eom	27.79	27.67
	Mar.	Sept.		Mar.	Sept.
5	27.55	27.48	5	27.82	27.70
10	27.51	27.47	10	27.61	27.71
15	27.57	27.57	15	27.76	27.67
20	27.62	27.41	20	27.76	27.73
25	27.57	27.61	25	27.84	27.70
eom	27.61	27.58	eom	27.83	27.70
	Apr.	Oct.		Apr.	Oct.
5	27.68	27.52	5	27.81	27.61
10	27.59	27.54	10	27.84	27.62
15	27.69	27.61	15	27.92	27.70
20	27.55	27.53	20	27.77	27.61
25	27.61	27.67h	25	27.83	27.66
eom	27.51	.....	eom	27.94	27.57
	May	Nov.		May	Nov.
5	27.52	.....	5	27.87	27.53
10	27.54	.....	10	27.86	27.47
15	27.59	27.56	15	27.91	27.48
20	27.55	27.47	20	27.88	27.49
25	27.58	27.49	25	27.86	27.58
eom	27.48	27.43	eom	27.94	27.54
	June	Dec.		June	Dec.
5	27.49	27.53	5	27.96	27.59
10	27.48	27.56	10	27.99	27.55
15	27.54	27.57	15	27.86	27.54
20	27.44	27.56	20	27.85	27.60
25	27.39	27.51	25	27.80h	27.66
eom	27.37	27.69	eom	27.65	27.56

1961					1962						
<u>22N-18W-33ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner. U.S. Geol. Survey. Depth, 62 ft. Lsd, 1,840. Terrace deposit. Highest, 23.07, Oct. 30, 1958; lowest, 25.78, May 6, 1957. Records: 1957-62.											
Feb.	15	23.99	Aug.	3	24.32	Jan.	3	24.29	June	25	24.65
Mar.	15	23.97	Aug.	30	24.35	Feb.	2	24.22	Aug.	22	25.04
Apr.	13	23.98	Sept.	28	24.42	Mar.	1	24.34	Sept.	19	25.15
May	10	24.00	Oct.	26	24.45	Mar.	30	24.35	Oct.	18	24.98
June	8	24.05	Nov.	16	24.39	Apr.	26	24.33	Nov.	5	24.83
July	6	24.23	Dec.	7	24.33	May	24	24.51			
<u>22N-20W-15bba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, J. L. Smalling. Depth, 43 ft. Lsd, 2,050. Rush Springs Sandstone. Highest, 17.10, Dec. 13, 1960; lowest, 24.94, May 15, 1956. Records: 1955-62.											
No measurements made in 1961.					May	24	17.68	Sept.	20	18.49	
					June	25	17.93	Oct.	18	17.98	
					July	25	18.24	Nov.	15	17.78	
					Aug.	22	18.65				
<u>22N-20W-25bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 9 ft. Lsd, 1,904. Alluvium. Highest, 1.65, July 1, 1957; lowest, 7.65, Oct. 23, 1956. Records: 1952-62.											
Jan.	20	4.09	Aug.	3	4.52	Jan.	3	4.08	June	25	3.67
Feb.	16	3.82	Aug.	31	4.76	Feb.	2	3.85	July	25	4.72
Mar.	15	3.59	Sept.	29	4.97	Mar.	2	3.80	Aug.	22	5.10
Apr.	13	2.68	Oct.	25	4.86	Mar.	30	3.78	Sept.	20	4.85
May	11	2.90	Nov.	16	4.46	Apr.	27	3.63	Oct.	18	4.67
June	8	3.17	Dec.	7	4.24	May	24	4.36	Nov.	15	4.52
July	7	3.85									
<u>22N-22W-19ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Depth, 76 ft. Lsd, 2,136. Ogallala Formation. Highest, 26.35, May 18, 1960; lowest, 29.71, Oct. 17, 1956. Records: 1955-62.											
Jan.	16	27.22	Aug.	2	27.13	Jan.	3	27.22	June	25	27.20
Feb.	15	27.19	Aug.	30	27.13	Feb.	1	27.26	Aug.	22	27.43
Mar.	15	27.13	Sept.	27	27.27	Mar.	1	27.24	Sept.	19	27.57
Apr.	13	27.07	Oct.	25	26.40	Mar.	29	27.26	Oct.	18	27.58
May	10	26.90	Nov.	15	27.25	Apr.	26	27.24	Nov.	14	27.30
June	8	26.75	Dec.	6	27.32	May	24	27.32			
July	6	26.80									

1961					1962					
<u>23N-19W-3aaa1.</u> NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Wayne Trissell. Depth, 97 ft. Lsd, 2,006. Terrace deposit. Highest, 37.65, Apr. 26, 1962; lowest, 42.38, Apr. 29, 1957. Records: 1955-62.										
Jan.	18	38.53	Aug.	2	38.06	Jan.	3	37.77	June 25	37.75
Feb.	15	38.47	Aug.	30	38.77	Feb.	1	37.78	July 24	37.72
Mar.	15	38.30	Sept.	27	38.84	Mar.	1	37.84	Aug. 22	37.68
Apr.	13	38.14	Oct.	25	37.95	Mar.	29	37.73	Sept. 19	37.77
May	10	38.22	Nov.	15	37.97	Apr.	26	37.65	Oct. 18	37.92e
June	9	38.15	Dec.	6	37.79	May	24	37.69	Nov. 15	37.89e
July	6	38.10								

<u>23N-19W-20bab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Walter Richard. Depth, 39 ft. Lsd, 1,921. Terrace deposit. Highest, 19.27, June 8, 1961; lowest, 28.35, Aug. 28, 1956. Records: 1955-62.										
Jan.	18	19.81	Aug.	2	20.02	Jan.	3	19.77	June 25	19.59
Feb.	15	19.73	Aug.	30	20.17	Feb.	1	19.70	July 24	20.11
Mar.	15	19.59	Sept.	27	20.35	Mar.	1	19.58	Aug. 22	20.37
Apr.	13	19.41	Oct.	25	20.47	Mar.	29	19.94	Sept. 19	20.63
May	10	19.27	Nov.	16	20.12	Apr.	26	19.37	Oct. 18	20.25
June	8	19.27	Dec.	6	19.96	May	24	19.78	Nov. 15	20.07
July	6	19.84								

1961	1962
------	------

23N-19W-33ddb1. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Emma Barton. Depth, 30 ft. Lsd, 1,861. Terrace deposit. Well equipped with water-level recorder. Highest, 1.39, Mar. 31, 1960; lowest, 6.00, Nov. 17, 1955. Records: 1955; 1957-62.

Day	Jan.	July	Day	Jan.	July
5	3.40	.....	5	3.63	3.50
10	3.41	3.61	10	3.60	3.80
15	3.50	3.33	15	3.52	4.06
20	3.40	3.60	20	3.51	4.26
25	3.41	3.73	25	3.52	4.30
eom	3.43	4.08	eom	3.25	4.37
	Feb.	Aug.		Feb.	Aug.
5	3.40	4.14	5	3.38	4.08
10	3.36	4.32	10	3.36	4.46
15	3.15	4.31	15	.....	4.68
20	3.16	4.07	20	.....	4.98
25	3.05	4.20	25	.....	5.08
eom	3.10	4.48	eom	.....	5.22
	Mar.	Sept.		Mar.	Sept.
5	3.12	4.56	5	3.43	5.16
10	3.19	4.59	10	3.42	5.18
15	3.21	4.59	15	3.46	5.30
20	2.75	4.65	20	3.47	4.22
25	2.83	4.68	25	3.50	4.14
eom	2.75	4.75	eom	3.51	4.07
	Apr.	Oct.		Apr.	Oct.
5	2.56	4.81	5	3.53	4.04
10	2.39	4.77	10	3.42	4.02
15	2.62	4.50	15	3.46	4.08h
20	2.78	4.54	20	3.53	4.07
25	2.95	4.58h	25	3.71	4.10
eom	2.96	.....	eom	3.64	4.10
	May	Nov.		May	Nov.
5	2.48	.....		3.86	4.12
10	2.80	.....	10	4.10	4.12
15	3.11	4.06	15	4.31	3.16h
20	3.17	3.94	20	4.48	3.11
25	3.32	3.89	25	4.63	3.11
eom	.....	3.88	eom	4.72	3.04
	June	Dec.		June	Dec.
5	.....	3.85	5	3.79	.....
10	3.30h	3.77	10	3.79	.....
15	.....	3.77	15	3.47	.....
20	.....	3.68	20	3.58	.....
25	.....	3.64	25	3.46h	.....
eom	.....	3.64	eom	3.24	.....

1961				1962			
<u>23N-20W-5bba1.</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, Oscar Foglesong. Depth, 40 ft. Lsd, 2,016. Terrace deposit. Highest, 27.02, June 15, 1960; lowest, 31.18, Oct. 9, 1956. Records: 1955-62.							
Jan.	17	27.59	July 6 27.56	Jan.	4	27.41	May 25 32.33
Feb.	15	27.62	Oct. 26 27.50	Feb.	2	27.41	June 25 30.90
Apr.	15	27.57	Nov. 16 27.45	Mar.	2	27.46	July 24 29.35
May	10	27.60	Dec. 7 27.41	Mar.	29	27.49	Sept. 19 32.01
June	8	27.45		Apr.	27	27.50	Oct. 18 28.22
<u>23N-20W-19cbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, William and Grace Erts. Depth, 26 ft. Lsd, 1,875. Alluvium. Highest, 1.02, July 1, 1957; lowest, 6.94, Oct. 9, 1956. Records: 1945-62.							
Jan.	17	4.15	Aug. 2 4.27	Jan.	3	4.06	July 24 4.50
Feb.	15	3.95	Aug. 31 4.40	Feb.	1	3.87	Aug. 22 4.88
Mar.	15	3.78	Sept. 27 4.71	Mar.	1	3.80	Sept. 19 5.08
Apr.	14	2.99	Oct. 25 4.78	Mar.	29	3.74	Oct. 18 4.63
May	10	2.77	Nov. 16 4.40	Apr.	27	3.53	Nov. 15 4.95
June	8	3.11	Dec. 6 4.25	May	24	4.16	Dec. 14 4.47
July	6	3.88		June	25	3.69	
<u>23N-21W-27bab1.</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. Depth, 61 ft. Lsd, 1,952. Whitehorse Group. Highest, 16.20, Apr. 20, 1960; lowest, 27.91, Mar. 28, 1957. Records: 1955-62.							
Jan.	17	20.22	Aug. 2 19.15	Jan.	4	19.54	June 26 19.31
Feb.	15	20.31	Aug. 30 18.80	Feb.	1	19.73	July 25 20.26
Mar.	15	20.45	Sept. 27 20.15	Mar.	1	19.98	Aug. 22 19.62
Apr.	14	19.96	Oct. 25 20.62	Mar.	30	20.46	Oct. 18 20.54
May	10	19.59	Nov. 15 19.70	Apr.	27	19.72	Nov. 15 20.93
June	8	19.14	Dec. 6 19.63	May	25	19.85	
Measurement discontinued							
<u>23N-21W-30ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Depth, 38 ft. Lsd, 2,095. Rush Springs Sandstone. Highest, 6.98, Aug. 14, 1958; lowest, 18.03, Oct. 31, 1956. Records: 1955-62.							
Jan.	16	11.51	Aug. 2 11.88	Jan.	3	12.28	Mar. 29 12.19
Feb.	15	11.58	Aug. 30 11.94	Feb.	1	12.26	Apr. 26 12.25
Mar.	15	11.42	Sept. 27 12.47	Mar.	1	12.17	May 24 12.97
Apr.	13	10.87	Oct. 25 12.80	Measurement discontinued			
May	10	10.43	Nov. 15 12.47				
June	8	10.67	Dec. 6 12.44				
July	6	11.25					

1961				1962			
<u>23N-22W-28dda1.</u> NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Fred Norman. Depth, 22 ft. Lsd, 2,124. Ogallala Formation. Highest, 13.50, Sept. 27, 1961; lowest, dry at 22, July 23, 1956. Records: 1955-62.							
Jan. 16	14.80	Aug. 2	14.05	Jan. 3	16.58	May 24	14.67
Feb. 15	14.87	Aug. 30	13.52	Feb. 1	16.50	June 25	13.95
Mar. 15	14.83	Sept. 27	13.50	Mar. 1	14.53	July 25	14.09
Apr. 13	14.84	Oct. 25	13.93	Mar. 29	14.62	Aug. 22	14.23
May 10	14.15	Nov. 15	16.10	Apr. 26	14.66	Sept. 19	14.78
June 8	14.79	Dec. 6	17.69	Measurement discontinued			
July 6	13.77						
<u>24N-20W-14ddd1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 63 ft. Lsd, 2,132. Terrace deposit. Highest, 50.59, Oct. 18, 1962; lowest, 59.25, Apr. 29, 1957. Records: 1957-62.							
No measurements in 1961.				Jan. 3	52.17	June 25	50.84
				Feb. 2	51.48	July 24	51.30
				Mar. 2	51.27	Aug. 22	50.70
				Mar. 29	51.14	Sept. 19	50.70
				Apr. 27	51.03	Oct. 18	50.59
				May 25	50.92	Nov. 15	50.67
<u>24N-20W-30bbb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 42 ft. Lsd, 2,018. Terrace deposit. Highest, 27.55, Nov. 16, 1960; lowest, 34.05, Apr. 29, 1957. Records: 1957-62.							
Jan. 17	28.73	Aug. 2	28.75	Jan. 4	28.45	May 25	28.69
Feb. 15	28.76	Aug. 31	28.63	Feb. 2	28.55	June 25	28.75
Mar. 15	28.72	Sept. 27	28.68	Mar. 2	28.58	July 24	28.75
Apr. 14	28.74	Oct. 26	28.70	Mar. 29	28.61	Sept. 19	28.80
May 10	28.89	Nov. 16	28.58	Apr. 27	28.55		
June 8	28.76	Dec. 7	28.61	Measurement discontinued			
July 6	28.83						
<u>24N-20W-33dcc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 52 ft. Lsd, 2,037. Terrace deposit. Highest 46.09, Apr. 27, 1962; lowest, 48.23, May 27, 1957. Records: 1957-62.							
Jan; 17	46.37	Aug. 2	46.23	Jan. 4	47.20	June 25	46.23
Feb. 15	46.30	Aug. 31	46.19	Feb. 2	46.16	Aug. 22	46.23
Mar. 15	46.27	Sept. 27	46.23	Mar. 2	46.16	Sept. 19	46.31
Apr. 14	46.24	Oct. 26	46.30	Mar. 29	46.16	Oct. 18	46.32
May 10	46.26	Nov. 16	46.29	Apr. 27	46.09	Nov. 15	46.35
June 8	46.23	Dec. 7	46.19	May 25	46.18		
July 6	46.26						

1961				1962			
<u>24N-21W-34ddc1.</u> SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 42 ft. Lsd, 1,981. Terrace deposit. Highest, 16.89, Jan. 17, 1961; lowest, 25.97, Mar. 6, 1957. Records: 1957-62.							
Jan.	17	16.89		May	25	17.78	Sept. 19 17.92
				June	25	17.94	Oct. 18 17.90
				July	24	17.91	Nov. 15 19.90
				Aug.	22	17.86	
<u>24N-22W-6abb1.</u> NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 13 ft. Lsd, 1,979, Alluvium. Highest, 0.57, July 1, 1957; lowest, 6.98, Oct. 25, 1957. Records: 1951-62.							
Jan.	16	5.08	Aug. 2 5.19	Jan.	4	5.19	June 26 4.59
Feb.	16	4.94	Aug. 31 5.15	Feb.	2	5.03	July 25 5.57
Mar.	15	5.06	Sept. 27 5.64	Mar.	1	5.01	Aug. 22 5.96
Apr.	14	4.46	Oct. 26 5.82	Mar.	30	5.02	Sept. 19 6.11
May	10	4.65	Nov. 16 5.55	Apr.	27	5.02	Oct. 18 5.63
June	8	4.95	Dec. 7 5.37	May	25	5.60	Nov. 15 5.60
July	7	5.39					
<u>24N-22W-10ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 17 ft. Lsd, 1,976. Alluvium. Highest, 8.93, July 1, 1957; lowest, dry at 17, Jan. 27, 1960. Records: 1951-62.							
Jan.	16	13.52	Aug. 2 14.43	Jan.	4	14.74	June 26 14.29
Feb.	16	13.19	Aug. 31 14.69	Feb.	2	14.60	July 25 14.57
Mar.	15	13.17	Sept. 27 15.15	Mar.	1	14.14	Aug. 22 15.24
Apr.	14	13.39	Oct. 26 15.55	Mar.	30	14.03	Sept. 19 14.83
May	10	12.94	Nov. 16 15.56	Apr.	27	14.10	Oct. 18 14.19
June	8	12.80	Dec. 7 15.56	May	25	14.79	Nov. 15 14.28
July	7	13.56					

Table 4.--Supplemental water-level records

(Records of ground-water levels not included
in previous water-level reports)

LeFLORE COUNTY

1958			1959		
10N-24E-13bcd1. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$. Owner, G. W. Jones. Depth, 24 ft. Lsd, 447. Alluvium. Well equipped with water-level recorder. Highest, 14.30, June 5, 1960; lowest, 21.45, Feb. 15, 1959. Records: 1958-62.					
Day	Jan	July	Day	Jan.	July
5	.....	16.90	5	20.90	19.58
10	.....	16.66	10	21.00	19.69
15	.....	16.07	15	21.10	19.78
20	.....	15.18	20	21.18	19.66
25	.....	14.67	25	21.33	18.94
eom	.....	14.62	eom	21.44	.....
	Feb.	Aug.		Feb.	Aug.
5	.....	14.82	5	21.44	.....
10	.....	15.13	10	21.41	.....
15	.....	15.20	15	21.45	.....
20	.....	15.50	20	21.41	.....
25	.....	15.57	25	21.31	.....
eom	.....	15.88	eom	.....	.....
	Mar.	Sept.		Mar.	Sept.
5	.....	16.31	5	21.27	18.75
10	.....	16.74	10	21.19	18.98
15	.....	17.11	15	20.76	19.14
20	.....	17.30	20	20.63	19.33
25	.....	17.28	25	20.45	19.49
eom	.....	17.33	eom	20.21	19.33
	Apr.	Oct.		Apr.	Oct.
5	16.96	17.48	5	20.27	18.66
10	16.50	17.85	10	20.38	15.45
15	16.46	18.19	15	20.45	13.09
20	16.63	18.47	20	20.37	12.17
25	16.58	18.77	25	20.15	11.92
eom	16.67	19.06	eom	20.18	.....
	May	Nov.		May	Nov.
5	16.82	19.39	5	20.35	.....
10	16.48	19.64	10	20.53	.....
15	16.16	19.84	15	20.13	.....
20	16.27	19.95	20	19.53	.....
25	16.61	19.96	25	19.20	.....
eom	.....	19.96	eom	18.72	.....
	June	Dec.		June	Dec.
5	.....	20.06	5	18.47	15.42
10	.....	20.20	10	18.54	15.71
15	.....	20.34	15	18.77	16.08
20	.....	20.46	20	19.02	16.29
25	.....	20.58	25	19.33	15.93
eom	.....	20.74	eom	19.53	15.87

1960

10N-24E-13bcd1.--Continued

Day	Jan.	July
5	15.95	15.84
10	16.18	16.21
15	16.24	16.43
20	16.00	16.60
25	15.97	16.73
eom	.....	15.92

	Feb.	Aug.
5	16.54	15.71
10	16.35	16.05
15	16.15	16.41
20	16.30	16.69
25	16.52	16.91
eom	.....	16.95

	Mar.	Sept.
5	.....	16.67
10	17.12	16.91
15	17.12	17.24
20	16.92	17.58
25	15.62	17.91
eom	16.43	18.25

	Apr.	Oct.
5	16.56	18.51
10	16.70	18.73
15	16.89	18.98
20	16.63	19.23
25	16.48	19.16
eom	16.88	18.97

	May	Nov.
5	16.90	18.82
10	16.59	18.53
15	15.88	18.65
20	15.70	18.88
25	15.01	19.07
eom	14.40	19.38

	June	Dec.
5	14.30	19.55
10	14.40	19.72
15	14.47	19.56
20	14.64	19.24
25	14.97	19.14
eom	15.41	19.28

MUSKOGEE COUNTY

1958			1959			1960		
<u>12N-20E-13dcc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 42 ft. Lsd, 486. Alluvium. Highest, 17.01, July 30, 1959; lowest, 25.05, Aug. 29, 1962. Records: 1958-62.								
July	15	24.20	Jan.	29	22.95	Jan.	5	22.69
Aug.	14	23.29	Mar.	3	23.09	Feb.	4	22.54
Sept.	5	23.08	Mar.	31	22.98	Mar.	11	22.60
Oct.	1	22.93	Apr.	29	22.98	Mar.	30	22.57
Oct.	30	22.83	May	27	22.83	Apr.	28	22.54
Nov.	5	25.79	June	25	22.77	May	25	22.35
Dec.	1	22.78	July	30	17.01	June	16	22.30
			Aug.	13	22.86	July	18	22.17
			Sept.	2	23.49	Aug.	16	21.88
			Sept.	10	23.46	Sept.	13	21.72
			Sept.	29	23.36	Oct.	3	21.68
			Oct.	13	23.06	Nov.	2	21.71
			Oct.	21	22.97	Dec.	1	21.79
			Dec.	2	22.78			

1958			1959		
15N-19E-22acbl. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, Mrs. Dill. Depth, 42 ft. Lsd, 517. Alluvium. Well equipped with water-level recorder. Highest, 19.27, Aug. 20, 1960; lowest, 23.52, Dec. 20, 1962. Records: 1958-62.					
Day	Jan.	July		Jan.	July
5	.....	21.47	5	23.26	24.70
10	.....	21.42	10	23.29	24.74
15	.....	21.16	15	23.38	24.76
20	.....	21.10	20	23.44	24.58
25	.....	21.13	25	23.45	23.86
eom	.....	21.02	eom	23.60	23.59
	Feb.	Aug.		Feb.	Aug.
5	.....	21.08	5	23.70	23.35
10	.....	20.96	10	23.78	23.34
15	.....	20.95	15	23.84	23.32
20	.....	20.97	20	23.94	23.43
25	.....	21.04	25	23.99	23.54
eom	.....	21.15	eom	24.08	.....
	Mar.	Sept.		Mar.	Sept.
5	.....	21.20	5	24.08	23.78
10	.....	21.26	10	24.12	23.94
15	.....	21.37	15	24.23	23.96
20	.....	21.41	20	24.20	24.11
25	.....	21.54	25	24.28	24.07
eom	.....	21.68h	eom	24.24	.....
	Apr.	Oct.		Apr.	Oct.
5	23.31	21.71	5	24.36	.....
10	23.42	21.88	10	24.45	.....
15	23.41	21.91	15	24.47	.....
20	23.34	21.93	20	24.44	.....
25	23.17	22.11	25	24.40	.....
eom	22.95	22.18	eom	24.50	22.09
	May	Nov.		May	Nov.
5	22.34	22.25	5	24.67	22.03
10	.....	22.34	10	24.59	21.75
15	21.94	22.40	15	24.44	21.69
20	21.87	22.51	20	24.39	21.62
25	21.84	22.63	25	24.48	21.64
eom	.....	22.66	eom	24.58	21.67
	June	Dec.		June	Dec.
5	.....	22.79	5	24.28	21.74
10	22.07	22.84	10	24.26	21.68
15	22.16	22.92	15	24.38	21.75
20	22.22	23.00	20	24.49	21.60
25	.....	23.04	25	24.57	21.52
eom	.....	23.13	eom	.....	21.43

1960

15N-19E-22acbl.Continued

Day	Jan.	July
5	21.36	19.98
10	21.31	19.96
15	21.24	20.13
20	21.15	20.26
25	20.93	19.90
eom	20.91	19.76

	Feb.	Aug.
5	21.06	19.60
10	21.14	19.64
15	21.07	19.71
20	21.06	19.27
25	21.13	19.45
eom	21.19	19.54

	Mar.	Sept.
5	21.23	19.65
10	21.24	19.80
15	21.12	19.95
20	21.27	20.09
25	21.18	20.22
eom	21.15	20.34

	Apr.	Oct.
5	21.36	.....
10	21.41	20.59
15	21.34	20.73
20	21.28	20.82
25	21.35	20.86
eom	21.38	20.96

	May	Nov.
5	21.12	21.14
10	20.75	21.23
15	20.60	21.22
20	20.39	21.35
25	20.27	21.40
eom	20.15	21.57

	June	Dec.
5	20.09	21.62
10	19.90	21.61
15	19.79	21.71
20	19.84	21.97
25	19.85	21.75
eom	19.88	21.87

ROGER MILLS COUNTY

1959			1960		
12N-22W-7da1. NE $\frac{1}{4}$ SE $\frac{1}{4}$. Owner, Clarence Fowler. Depth, 308 ft. Rocks of Permian age. Well equipped with water-level recorder. Highest, 5.32, Dec. 15, 1962; lowest, 10.72, May 5, 1959. Records: 1959-62.					
Day	Jan.	July	Day	Jan.	July
5	.....	10.26	5	9.49	7.45
10	.....	10.33	10	9.48	7.32
15	.....	10.31	15	9.47	.....
20	.....	10.31	20	9.30	.....
25	.....	10.33	25	9.41	.....
eom	.....	.....	eom	9.00	.....
	Feb.	Aug.		Feb.	Aug.
5	.....	.....	5	9.05	.....
10	.....	.....	10	9.13	.....
15	.....	10.19	15	8.96	.....
20	.....	10.18	20	8.91	.....
25	.....	10.27h	25	8.82	.....
eom	.....	.....	eom	8.86	.....
	Mar.	Sept.		Mar.	Sept.
5	.....	.....	5	8.75	.....
10	.....	.....	10	8.64	.....
15	.....	.....	15	8.53	.....
20	.....	.....	20	.....	.....
25	.....	10.10h	25	.....	.....
eom	.....	.....	eom	.....	.....
	Apr.	Oct.		Apr.	Oct.
5	.....	.....	5	.....	.....
10	.....	.....	10	.....	.....
15	.....	.....	15	.....	.....
20	.....	.....	20	.....	.....
25	.....	.....	25	.....	.....
eom	.....	.....	eom	.....	6.61
	May	Nov.		May	Nov.
5	10.72	.....	5	7.86	.....
10	10.58	.....	10	7.96	.....
15	10.71	.....	15	7.80	.....
20	10.61	.....	20	7.76	.....
25	10.63	9.83	25	7.70	.....
eom	10.21	9.97	eom	7.73	.....
	June	Dec.		June	Dec.
5	10.22	9.98	5	7.66	.....
10	10.16	.....	10	7.48	.....
15	10.26	9.87	15	7.37	.....
20	10.34	9.73	20	7.43	.....
25	10.26	9.65	25	7.44	.....
eom	10.25	9.51	eom	7.40	.....

1959	1960
------	------

13N-22W-34dac1. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner, H. C. Reed. Depth, 76 ft. Quartermaster Formation. Well equipped with water-level recorder. Highest, 34, July 1961; lowest, 45.88, May 30, 1959. Records: 1959-62.

Day	Jan.	July	Day	Jan.	July
5	46.16	5	.....	34.44
10	46.15	10	.....	34.25
15	45.85	15	.....	.....
20	45.74	20	.....	35.20
25	45.62	25	.....	35.10
eom	46.59	eom	.....	35.17
	Feb.	Aug.		Feb.	Aug.
5	46.29	5	.....	35.08
10	46.22	10	.....	35.23
15	46.13	15	.....	35.10
20	46.05	15	.....	35.10
25	46.00	20	.....	35.06
eom	eom	.....	35.18
	Mar.	Sept.		Mar.	Sept.
5	5	.....	35.16
10	10	.....	35.33
15	15	.....	35.26
20	43.66h	20	.....	35.28
25	25	.....	.....
eom	eom	.....	.....
	Apr.	Oct.		Apr.	Oct.
5	5	.....	35.48
10	10	.....	45.46
15	15	.....	35.68
20	43.66	20	.....	.....
25	25	.....	.....
eom	43.86	eom	.....	35.53
	May	Nov.		May	Nov.
5	43.99	5	.....	35.68
10	43.43	10	.....	35.69
15	43.50	15	.....	35.40
20	43.28	20	.....	35.47
25	46.84	43.15	25	.....	35.56
eom	46.88	43.14	eom	.....	35.54
	June	Dec.		June	Dec.
5	5	.....	.....
10	10	34.75h	.....
15	15	34.49	.....
20	20	34.50	.....
25	25	34.52	.....
eom	46.34	.....	eom	34.34	.....

SEQUOYAH COUNTY

1958			1959			1960		
<u>10N-26E-22add1.</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geo1. Survey. Depth, 34 ft. Lsd, 424. Alluvium. Highest, 12.82, Feb. 28, 1958; lowest, 17.66, June 29, 1961. Records: 1958-62.								
Jan.	14	15.40	Jan.	29	16.23	Jan.	5	15.10
Feb.	28	12.82	Mar.	3	16.69	Feb.	2	15.01
Mar.	12	13.78	Mar.	30	16.95	Mar.	10	15.21
Mar.	24	16.76	Apr.	29	17.06	Mar.	29	15.25
Apr.	4	16.63	May	25	17.13	Apr.	26	15.33
Apr.	24	16.46	June	25	17.14	May	24	15.39
Aug.	1	15.90	July	28	17.14	June	16	15.16
Sept.	5	14.77	Sept.	2	17.09	July	20	15.15
Oct.	2	15.00	Oct.	19	15.99	Aug.	16	15.00
Oct.	30	15.55				Sept.	13	15.23
Dec.	2	15.55				Oct.	5	15.53
						Nov.	2	15.90
						Dec.	1	16.25

WAGONER COUNTY

1960

16N-18E-22aaa2. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$. Owner, U.S. Geol. Survey. Depth, 32 ft. Lsd, 524. Alluvium. Well equipped with water-level recorder. Highest, 14.53, May 15, 1960; lowest, 19.29, Feb. 15, 1961. Records: 1960-62.

Day	Jan.	July
5	15.48
10	15.86
15	16.11
20	16.38
25	16.55
eom	16.48

	Feb.	Aug.
5	16.50
10	16.65
15	16.84
20	16.99
25	17.13
eom	17.35

	Mar.	Sept.
5	17.51
10	17.67
15	17.77
20	17.90
25	18.01
eom	18.11

	Apr.	Oct.
5	18.19
10	18.30
15	18.40
20
25
eom

	May	Nov.
5	.....	18.73
10	.....	18.81
15	14.53	18.81
20	14.55	18.77
25	14.55	18.83
eom	14.60	18.95

	June	Dec.
5	14.60	18.87
10	14.62	18.90
15	14.65	18.92
20	14.77	18.97
25	14.93	19.03
eom	15.13	19.04

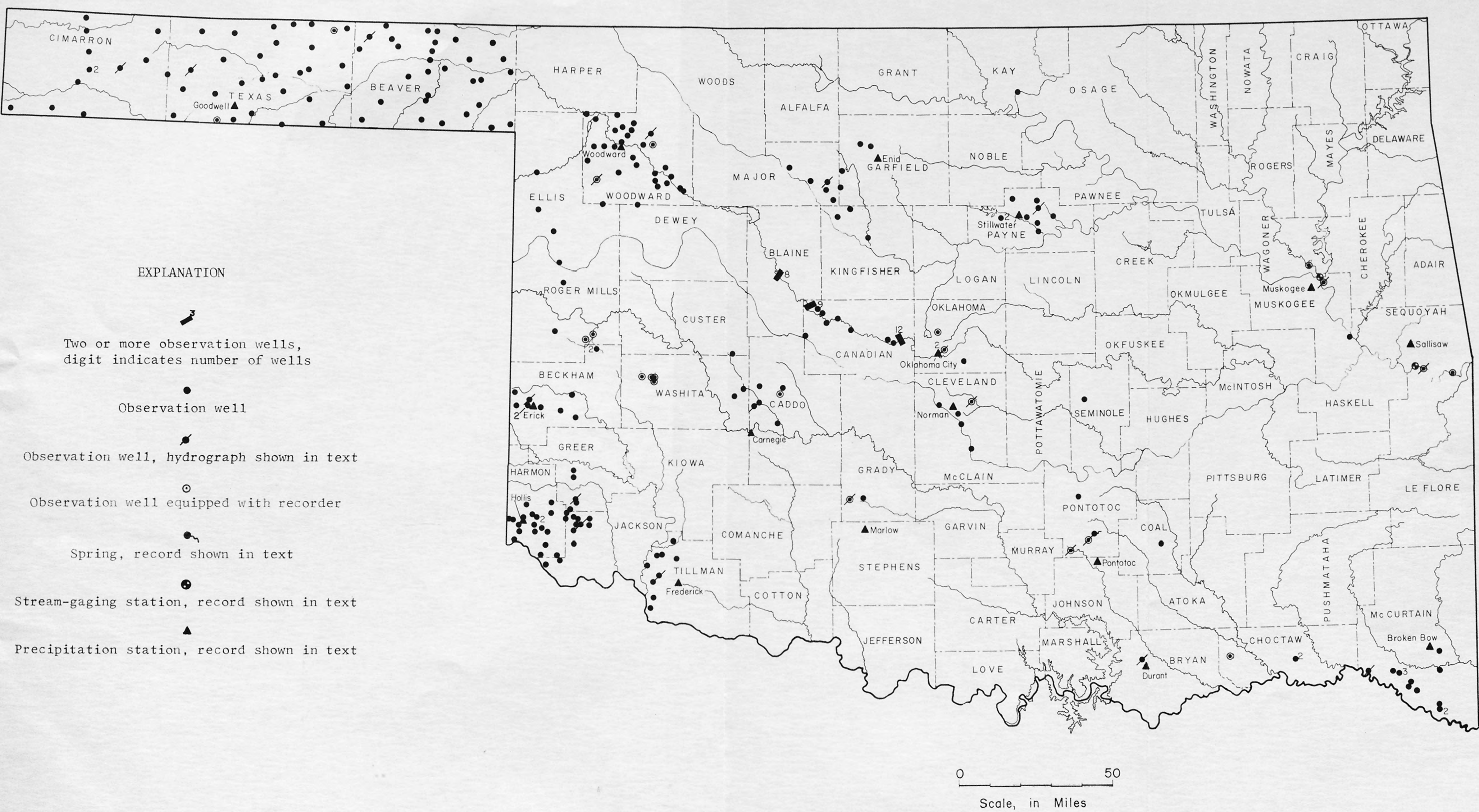


FIGURE 1.--MAP SHOWING LOCATION OF OBSERVATION WELLS IN OKLAHOMA, 1961-62

WOODWARD COUNTY

1957			1958			1959			1960		
<u>22n-18W-33ccc1.</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$. Owner. U.S. Geol. Survey. Depth, 62 ft. Lsd, 1,840. Terrace deposit. Highest, 23.07, Oct. 30, 1958; lowest, 25.78, May 6, 1957. Records: 1957-62.											
Apr.	25	25.57	Jan.	28	24.03	Jan.	7	24.01	Jan.	27	24.56
May	6	25.78	Feb.	20	24.03		28	24.03	Mar.	23	24.21
	13	25.75	Mar.	25	24.00	Feb.	26	24.04	Apr.	20	24.02
	22	25.35	Apr.	22	23.95	Mar.	26	24.04	May	19	23.90
	28	25.22	May	20	24.00	Apr.	22	24.10	June	15	23.82
June	7	25.03	June	17	24.22	May	20	24.12	July	20	23.95
	12	24.95	July	14	24.09	June	25	24.30	Aug.	17	24.13
	19	24.94	Aug.	14	24.00	July	22	24.42	Oct.	14	24.25
	25	24.80	Sept.	17	24.01	Aug.	26	24.65	Nov.	16	24.21
July	2	23.64	Oct.	30	24.07	Sept.	29	24.83	Dec.	13	23.87
	15	24.50	Nov.	19	24.06	Oct.	21	24.78			
Aug.	6	24.41				Nov.	23	24.65			
	21	24.39				Dec.	15	24.61			
Sept.	6	24.50									
	18	24.43									
Oct.	15	24.30									
	25	24.27									
Nov.	14	24.18									
	25	24.16									
Dec.	21	24.15									

County Index

	Page
Beaver.....	27
Beckham.....	31
Blaine.....	34
Bryan.....	35
Caddo.....	36
Canadian.....	38
Choctaw.....	43
Cimarron.....	45
Cleveland.....	47
Coal.....	49
Custer.....	49
Ellis.....	50
Garfield.....	51
Grady.....	52
Greer.....	54
Harmon.....	55
Jackson.....	60
Kay.....	63
Kingfisher.....	64
LeFlore.....	65
Supplemental records, 1958-60.....	110
Major.....	66
McCurtain.....	68
Muskogee.....	71
Supplemental records, 1958-60.....	112
Oklahoma.....	73
Payne.....	75
Pontotoc.....	77
Roger Mills.....	80
Supplemental records, 1959-60.....	115
Seminole.....	83
Sequoyah.....	84
Supplemental records, 1958-60.....	117
Texas.....	85
Tillman.....	91
Wagoner.....	93
Supplemental records, 1958-60.....	118
Washita.....	94
Woodward.....	99
Supplemental records, 1957-60.....	119