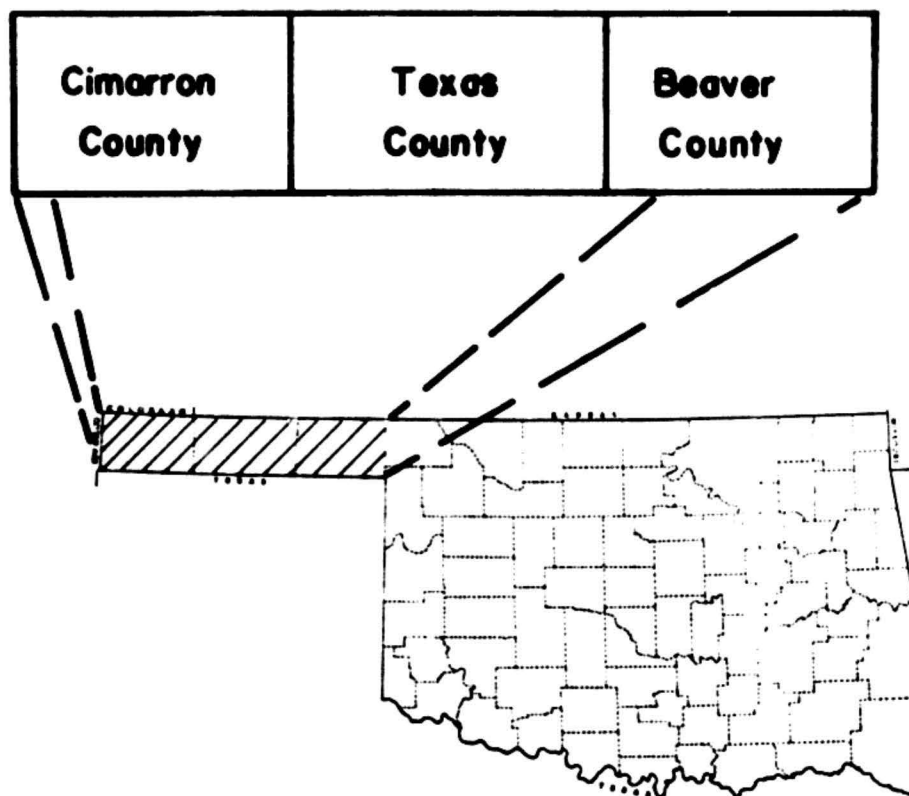


**RECORDS OF WATER-LEVEL
MEASUREMENTS IN WELLS
IN THE OKLAHOMA PANHANDLE,
1971 - 72**



1972

OKLAHOMA WATER RESOURCES BOARD

David Hall
Governor

Milton Craig
Chairman

L. L. Males
Vice-Chairman

Lloyd E. Church
Member

Guy Keith
Member

Harold B. Scoggins
Member

Glade R. Kirkpatrick
Member

Don A. King
Member

Gerald E. Borelli
Member

Orville Saunders
Member

Forrest Nelson
Executive Director

Glenn Sullivan
Assistant Director

Paul Wilson
Chief Planning Engineer

U.S. GEOLOGICAL SURVEY
Water Resources Division

James H. Irwin
District Chief

Vernon B. Sauer
Assistant District Chief

Melvin V. Marcher
Chief, Investigations Section

Oklahoma Water Resources Board

RECORDS OF WATER-LEVEL MEASUREMENTS IN WELLS
IN THE OKLAHOMA PANHANDLE
1971-72

By Donald L. Hart, Jr., George L. Hoffman,
and Robert L. Goemaat

72-464
Open-File Report

Prepared by
The U.S. Geological Survey
in cooperation with
The Oklahoma Water Resources Board
1972

CONTENTS

| | Page |
|-------------------------------------|------|
| Introduction..... | 1 |
| Well-numbering system..... | 3 |
| Additional references..... | 5 |
| Changes in storage..... | 7 |
| Precipitation..... | 8 |
| Records of ground-water levels..... | 10 |

ILLUSTRATIONS

| | |
|--|----|
| Figure 1. Irrigation wells in the Panhandle counties..... | 2 |
| 2. Diagram showing well-numbering system used in Oklahoma..... | 4 |
| 3. Water-level change in Beaver County 1967 to 1972..... | 11 |
| 4. Water-level change in Cimarron County 1967-1972..... | 12 |
| 5. Water-level change in Texas County 1966 to 1972..... | 13 |

TABLES

| | |
|---|----|
| Table 1. U.S. Geological Survey Water-Supply Papers in which water-level measurements of observation wells in Oklahoma have been published..... | 5 |
| 2. Precipitation in the Oklahoma Panhandle, 1970 and 1971..... | 9 |
| 3. Water-level measurements and water-level changes for Beaver, Cimarron, and Texas Counties, Oklahoma..... | 14 |

RECORDS OF WATER-LEVEL MEASUREMENTS IN WELLS
IN THE OKLAHOMA PANHANDLE

1971-72

INTRODUCTION

Investigations of the ground-water resources of the Oklahoma Panhandle by the U.S. Geological Survey in cooperation with the Oklahoma Water Resource Board includes collection of water-level records; the systematic collection of these records began in 1937. Records of many shallow wells were compiled in 1937 and periodic measurements were made in a few wells until 1966. Owing to the heavy development of irrigation during the 1960's (fig. 1) an expanded network of observation wells established in Texas County in 1966 and in Beaver and Cimarron Counties in 1967; measurement of water levels have been made on an annual basis since those times.

This report contains water-level records for the period 1971-72 and the water-level change for the period 1966-72 in Texas County, and for the period 1967-72 in Beaver and Cimarron Counties. At the present time (1972) the annual observation-well network includes 521 wells, of which 97 are in Beaver County, 203 are in Cimarron County, and 221 are in Texas County. These data provide an index to available ground-water supplies; they will be useful in planning and studying water resources development; and they will serve as a framework of data for the detailed hydrologic investigation now in progress in the Panhandle.

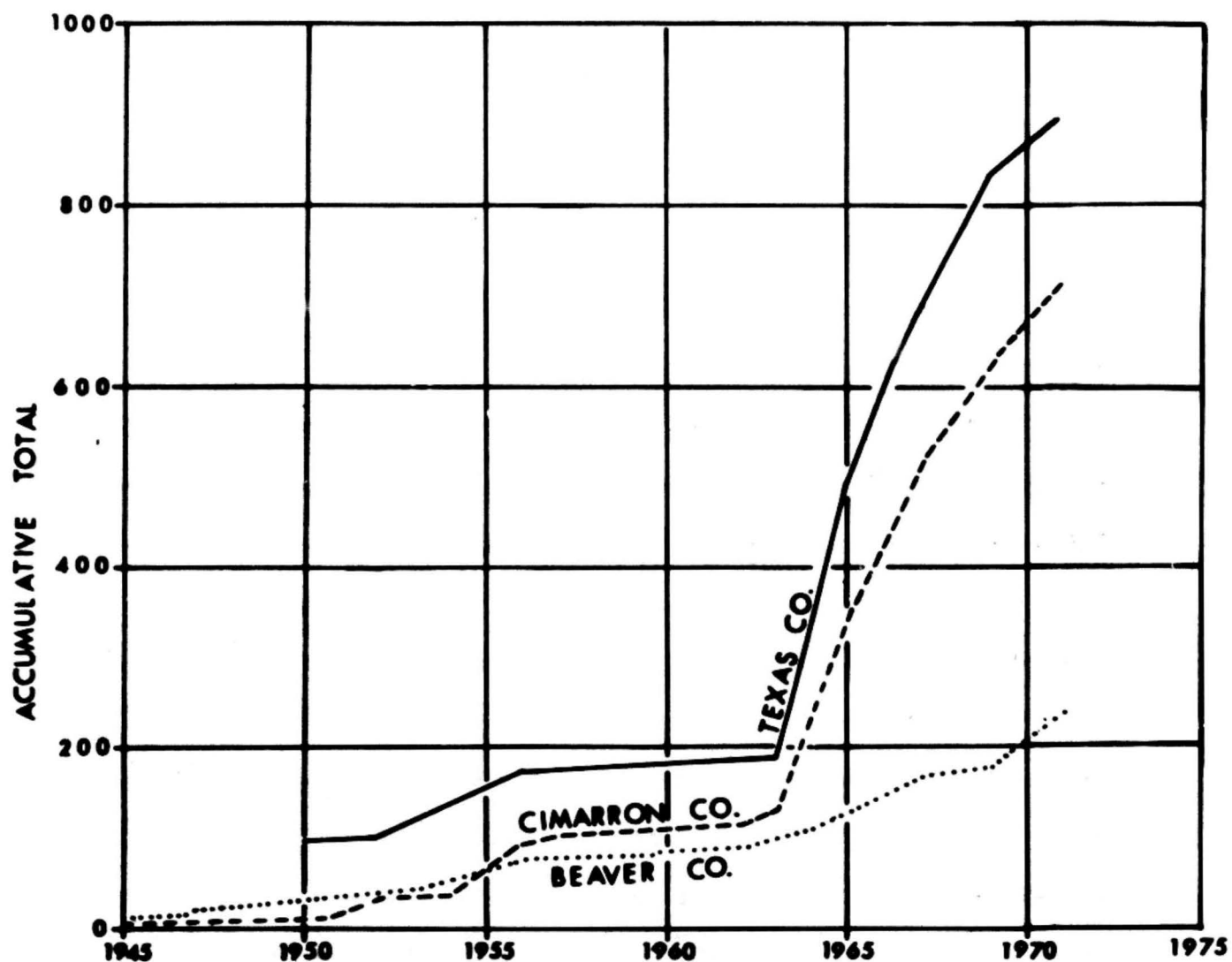


FIGURE 1.-IRRIGATION WELLS IN PANHANDLE COUNTIES

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 located. The first upper-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 1N26E-5DDC1 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., as shown in figure 3.

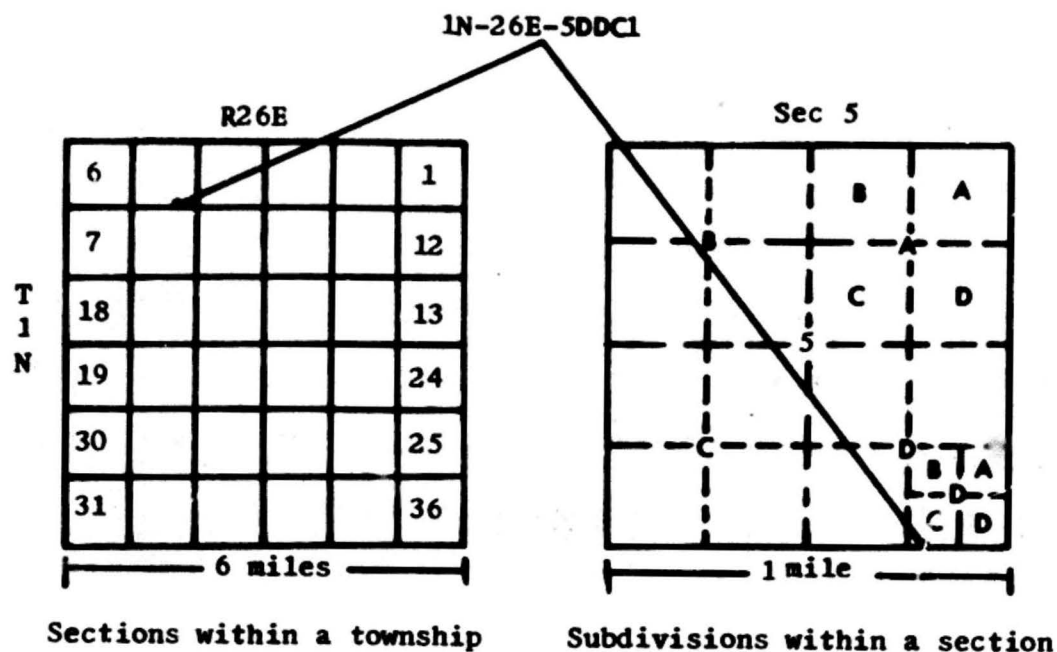


FIGURE 2.-Diagram showing well-numbering system used in Oklahoma

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.

ADDITIONAL REFERENCES

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 contain only records of a selected network of observation wells, and are 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 | 1947 | 1099 |
| 1936 | 817 | 1948 | 1129 |
| 1937 | 840 | 1949 | 1159 |
| 1938 | 845 | 1950 | 1168 |
| 1939 | 886 | 1951 | 1194 |
| 1940 | 909 | 1952 | 1224 |
| 1941 | 939 | 1953 | 1268 |
| 1942 | 947 | 1954 | 1324 |
| 1943 | 989 | 1955 | 1407 |
| 1944 | 1019 | 1956-59 | 1549 |
| 1945 | 1026 | 1960-64 | 1824 |
| 1946 | 1074 | 1965-69 | 1979 |

In addition to the Water-Supply Papers listed on page 5, the U.S. Geological Survey, in cooperation with the Oklahoma Water Resources Board, has published the following informal reports on water levels in Oklahoma.

Ground-water levels in observation wells in Oklahoma, 1956-60

Ground-water levels in observation wells in Oklahoma, 1961-62

Ground-water levels in observation wells in Oklahoma, 1963-64

Ground-water levels in observation wells in Oklahoma, 1965-66

Ground-water levels in observation wells in Oklahoma, 1967-68

Records of water-level measurements in wells in the Oklahoma Panhandle, 1966-70

CHANGES IN STORAGE

The ground-water levels within aquifers in the Oklahoma Panhandle are not stationary but fluctuate up and down in a manner somewhat similar to the water level in a lake or reservoir. In general, the ground-water level rises when recharge exceeds discharge and conversely, the ground-water level declines when discharge exceeds recharge. Thus, changes in water levels in wells indicate to what extent the ground-water reservoirs are being depleted or replenished. However, over long periods 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 the Oklahoma Panhandle the chief form of recharge is precipitation, and the chief forms of discharge are evapotranspiration, pumpage, and natural discharge to streams and rivers.

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 supply and its development.

PRECIPITATION

Precipitation in the Oklahoma Panhandle is a significant factor affecting the ground-water conditions. As most of the recharge to the aquifers in the Panhandle is derived from precipitation and the average precipitation ranges from about 16 inches in the western part to about 22 inches in the eastern part, recharge is one of the critical links in the hydrologic cycle. Precipitation in the Oklahoma Panhandle during 1970-71 is shown in table 2. During extended periods of low rainfall little or no water is added to the aquifers, and the problem of declining water levels is compounded by the necessity to increase pumpage to replace insufficient soil moisture.

Table 2.--Precipitation in the Oklahoma Panhandle, 1970-71.

| | Beaver, Beaver County | | Boise City, Cimarron County | | Goodwell, Texas County | |
|--------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | 1970 Precipitation in inches | 1971 Precipitation in inches | 1970 Precipitation in inches | 1971 Precipitation in inches | 1970 Precipitation in inches | 1971 Precipitation in inches |
| Jan. | T | 0.45 | 0.02 | 0.17 | T | 0.13 |
| Feb. | 0.00 | M | T | .56 | 0.00 | 1.06 |
| Mar. | 1.19 | T | .48 | .35 | .70 | .14 |
| Apr. | 1.77 | .33 | 1.56 | 1.31 | 2.93 | .97 |
| May | .73 | .58 | .55 | 3.88 | .50 | 4.60 |
| June | 1.12 | 1.89 | .91 | 1.12 | .84 | M |
| July | M | 1.13 | 1.07 | 4.71 | M | 3.40 |
| Aug. | 2.56 | .34 | 2.18 | 2.50 | 3.11 | .56 |
| Sept. | .46 | 1.85 | 1.59 | 1.79 | .54 | 1.09 |
| Oct. | .88 | 2.50 | .59 | 1.99 | 1.18 | 1.30 |
| Nov. | .36 | 5.14 | .65 | 1.38 | .27 | 2.78 |
| Dec. | .00 | .91 | .00 | .80 | T | .54 |
| Totals | 9.07 | 15.12 | 9.60 | 20.56 | 10.07 | 16.57 |

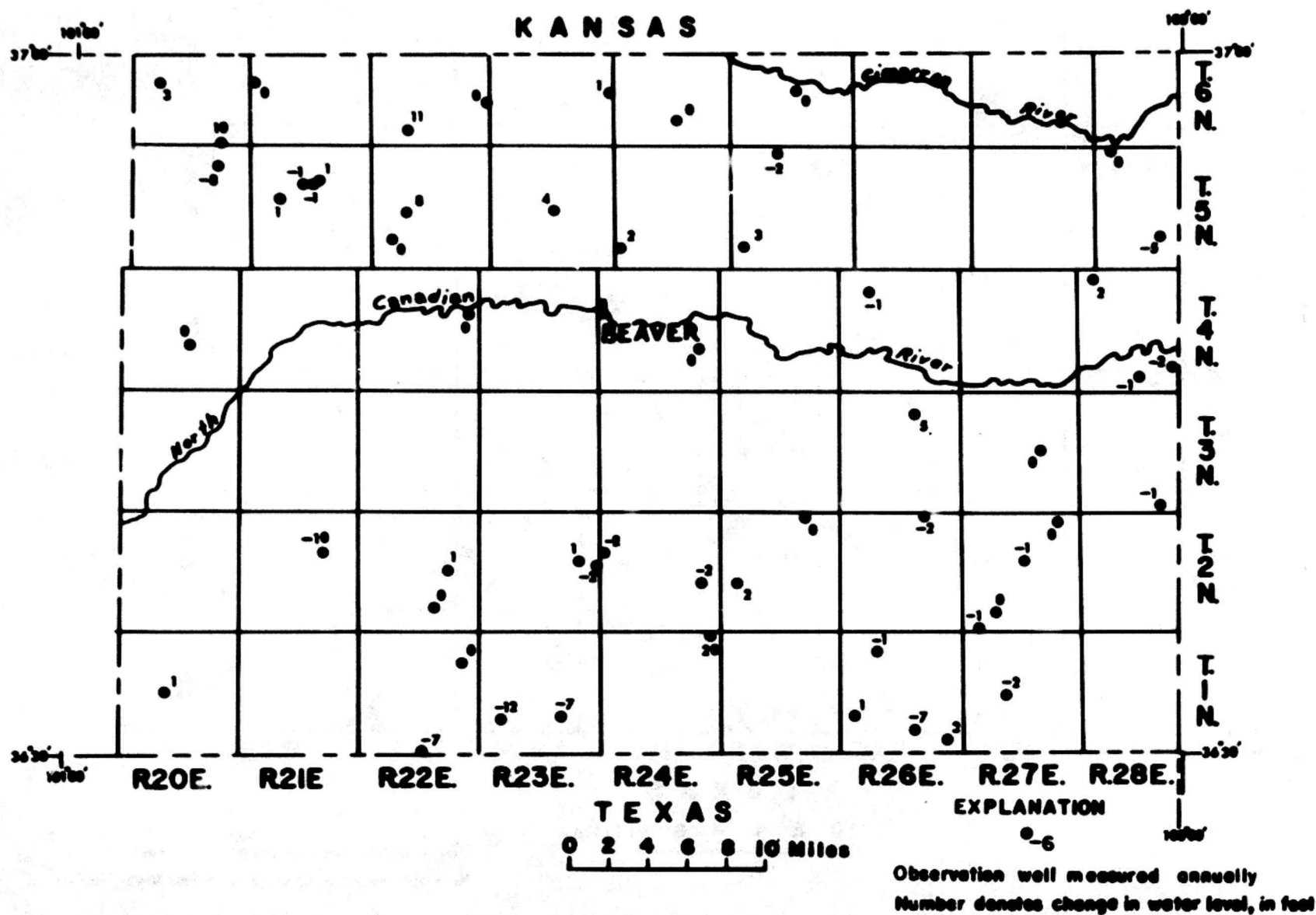
T - Trace

M - Missing record

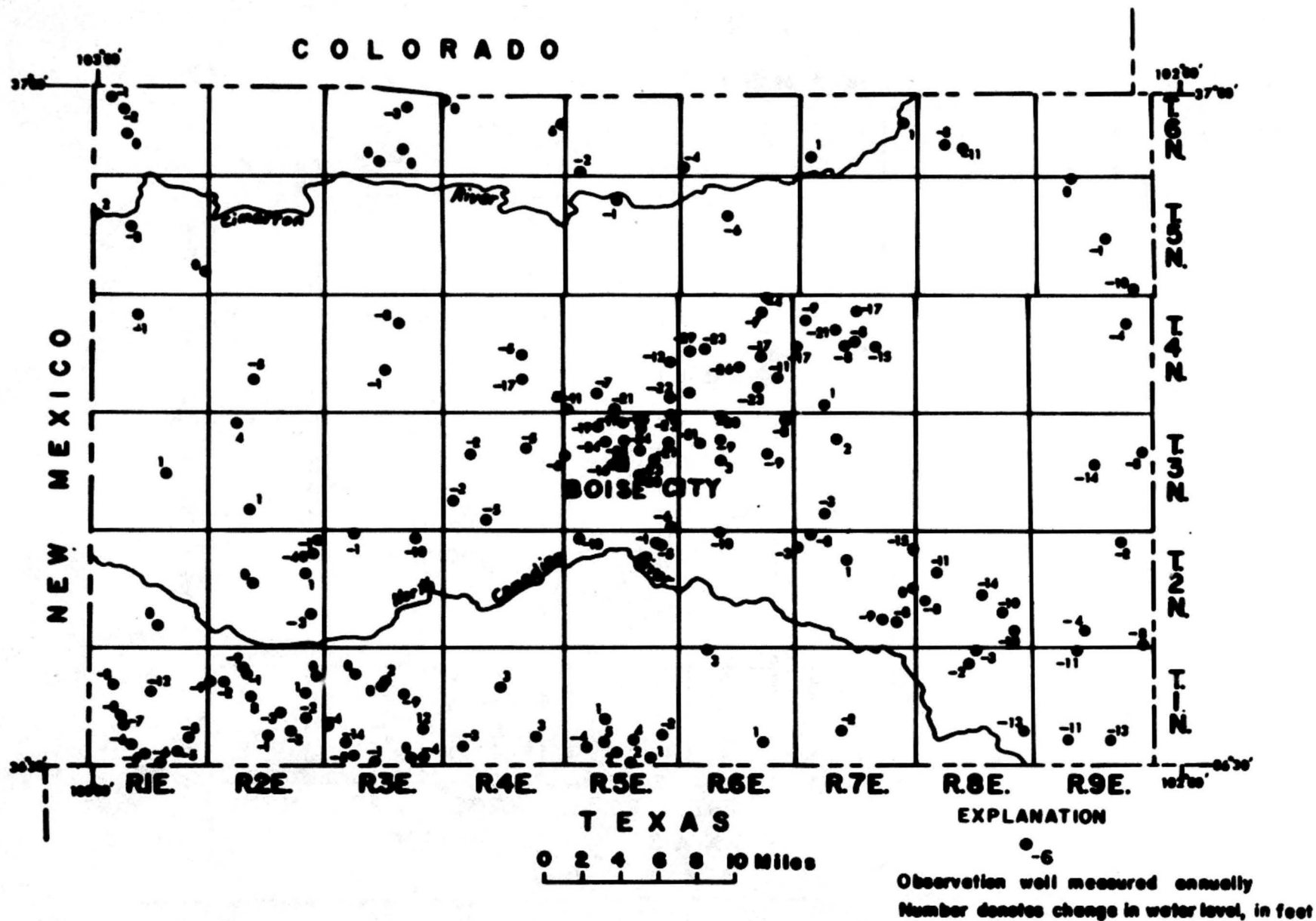
RECORDS OF GROUND-WATER LEVELS

Records of ground-water levels are given in table 3. Information given for each well includes the location, principal aquifer, date of measurement and depth to water, annual change in water level, and change in water level during a specified period either 1966-72, or 1967-72. Footnotes following water-level measurements are explained following the listing of wells in table 3.

In addition to the tabulated data, the maps (figs. 3, 4, and 5) show change in water level for wells that were measured in either 1966 or 1967 and again in 1972.



**FIGURE 3.-WATER-LEVEL CHANGE IN BEAVER COUNTY, OKLAHOMA
1967 to 1972**



**FIGURE 4.-WATER-LEVEL CHANGE IN CIMARRON COUNTY, OKLAHOMA
1967 to 1972**

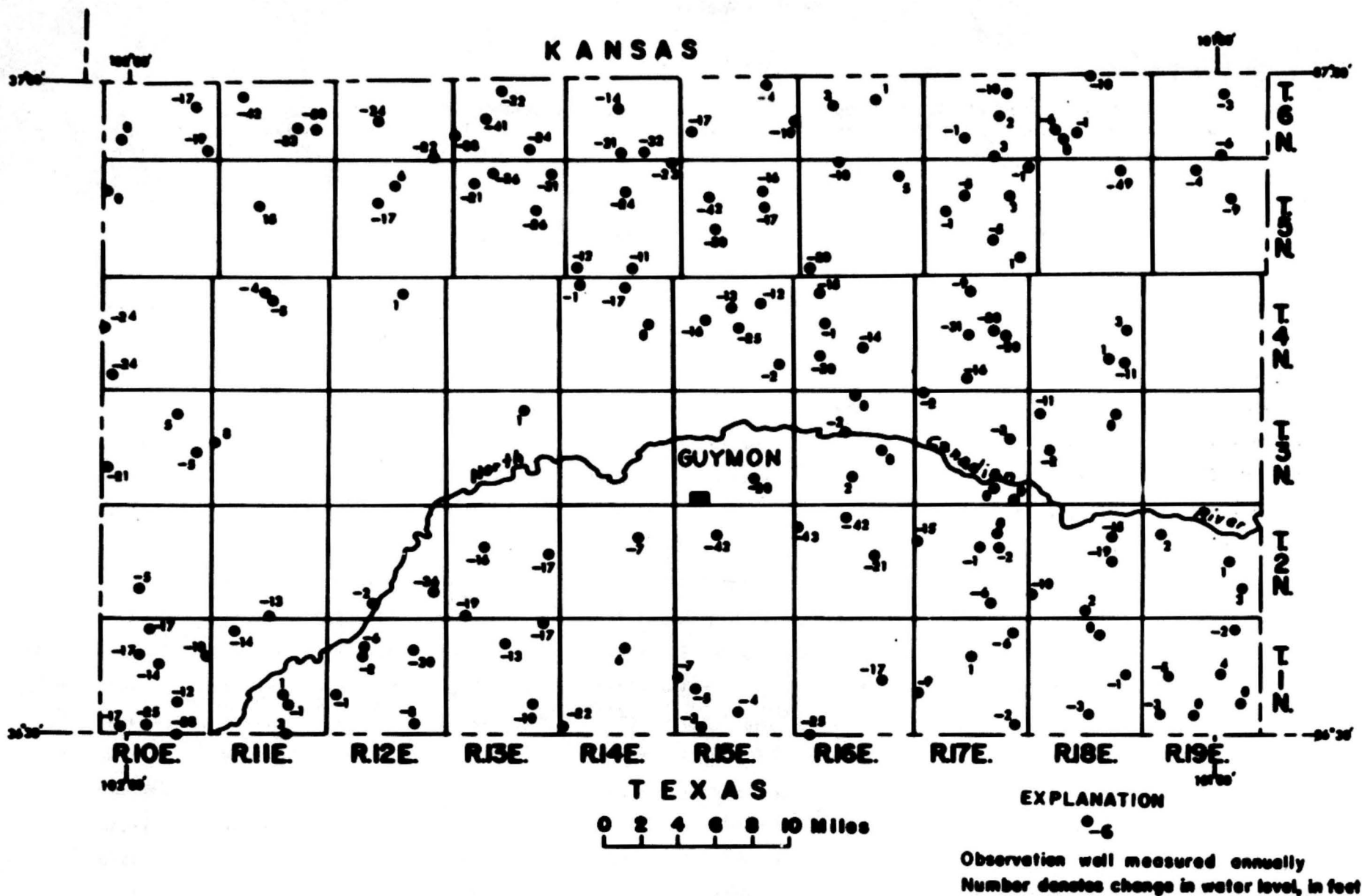


TABLE 3.--WATER-LEVEL MEASUREMENTS AND WATER-LEVEL CHANGES FOR BEAVER, CIMARRON,
AND TEXAS COUNTIES, OKLAHOMA.

BEAVER COUNTY

Principal aquifer: Cheyenne Sandstone - Cheyenne Sandstone Member of Purgatoire Formation.

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|---------|-------------------------------------|
| 1N-20E-1600D 1 | OGALLALA FORMATION | -0.15 | 01-12-71 | 102.45 | .43 | 01-20-72 | 102.02 | 1.00 |
| 1N-21E-40ND 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****M | ***** | | ***** | ***** |
| 1N-21E-500D 1 | OGALLALA FORMATION | -1.65 | 01-12-71 | 195.05 | 2.40 | 01-20-72 | 192.65 | ***** |
| 1N-21E-130CH 1 | OGALLALA FORMATION | -2.70 | 01-12-71 | 219.90 | -2.26 | 01-20-72 | 222.16 | ***** |
| 1N-21E-324HC 1 | OGALLALA FORMATION | -1.62 | 01-12-71 | 241.92 | -.49 | 01-20-72 | 242.41 | ***** |
| 1N-22E-124CH 1 | OGALLALA FORMATION | ***** | | ***** | ***** | 01-20-72 | 183.95 | -.41R |
| 1N-22E-330DD 1 | OGALLALA FORMATION | ***** | 01-12-71 | 236.06 | -1.33 | 01-20-72 | 237.39 | ***** |
| 1N-22E-340DC 1 | OGALLALA FORMATION | -3.01 | 01-12-71 | 241.26 | -1.54 | 01-20-72 | 242.80 | -7.30 |
| 1N-23E-80CH 1 | OGALLALA FORMATION | -2.74 | 01-12-71 | 205.30 | -2.32 | 01-20-72 | 207.62 | ***** |
| 1N-23E-190AH 1 | OGALLALA FORMATION | -2.58 | 01-12-71 | 224.95 | -2.31 | 01-20-72 | 227.26 | ***** |
| 1N-23E-23AAH 1 | OGALLALA FORMATION | -1.16 | 01-23-71 | 169.80 | -1.22H | 01-20-72 | 171.02B | ***** |
| 1N-23E-264HH 1 | OGALLALA FORMATION | -1.16 | 01-12-71 | 223.23 | 3.44 | 01-20-72 | 219.79 | -7.37 |
| 1N-23E-294RC 1 | OGALLALA FORMATION | -2.57 | 01-12-71 | 226.77 | -3.83 | 01-20-72 | 230.60 | -11.53 |
| 1N-24E-14RH 1 | OGALLALA FORMATION | 4.08 | 01-13-71 | 237.20 | 16.50 | 01-18-72 | 220.70 | 19.54 |
| 1N-25E-7CAA 1 | OGALLALA FORMATION | -.18 | 01-13-71 | 61.72 | .02 | 01-18-72 | 61.70 | ***** |
| 1N-26E-50DC 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****K | ***** | 01-18-72 | 87.20 | -1.06 |
| 1N-26E-220CH 1 | ALLUVIUM | -3.06 | 01-14-71 | 31.66 | ***** | 01-18-72 | *****K | ***** |
| 1N-26E-270CD 1 | ALLUVIUM | -1.47R | 01-14-71 | 37.91B | -.43B | 01-18-72 | 38.34 | -6.60 |
| 1N-26E-30AAH 1 | ALLUVIUM | .29 | 01-14-71 | 9.76 | .19 | 01-18-72 | 9.57 | 1.07 |
| 1N-26E-364CD 1 | OGALLALA FORMATION | -1.25 | 01-14-71 | 169.04 | .05 | 01-18-72 | 168.99 | 1.51 |
| 1N-27E-6ACH 1 | ALLUVIUM | -1.22 | 01-14-71 | 21.52 | -.05 | 01-19-72 | 21.57 | ***** |
| 1N-27E-21HRA 1 | OGALLALA FORMATION | -1.02 | 01-14-71 | 38.79 | .05 | 01-18-72 | 38.74 | -1.59 |
| 1N-27E-35DAC 1 | OGALLALA FORMATION | 3.45 | 01-13-71 | 133.75 | -7.80 | 01-18-72 | 141.55 | ***** |

HEAVER COUNTY

| WELL LOCATION | PRINCIPAL SQUIFFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | WATER LEVEL DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | WATER LEVEL DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|-----------------------|-------------------------------------|-----------------------------|----------------------|-------------------------------------|-----------------------------|----------------------|-------------------------------------|
| 1N-28F-2440 1 | OGALLALA FORMATION | 3.96 | 01-13-71 | 152.09 | -.30 | 01-19-72 | 152.39 | ***** |
| 1N-28F-344A 1 | OGALLALA FORMATION | .94H | 01-13-71 | 60.54 | -.50 | 01-18-72 | 61.04 | ***** |
| 2N-20F-1AAA 1 | OGALLALA FORMATION | .56 | 01-12-71 | 54.25 | .50 | 01-20-72 | 53.75 | ***** |
| 2N-20F-160CC 1 | PERMIAN MED BEDS | -1.16 | 01-12-71 | 24.93 | -.41 | 01-20-72 | 25.34 | ***** |
| 2N-21F-110CC 1 | OGALLALA FORMATION | -3.05 | 01-12-71 | 172.10 | -.30 | 01-20-72 | 172.40 | -10.35 |
| 2N-22F-140CC 1 | OGALLALA FORMATION | -.18 | 01-12-71 | 99.78 | -.12 | 01-20-72 | 99.90 | .75 |
| 2N-22F-270AD 1 | OGALLALA FORMATION | -.21 | 01-12-71 | 124.21 | .23 | 01-20-72 | 123.98 | .42 |
| 2N-23F-130CC 1 | OGALLALA FORMATION | -.10 | 01-12-71 | 12.75 | .36 | 01-18-72 | 12.39 | 1.11 |
| 2N-23F-130AD 1 | ALLUVIUM | .20 | 01-12-71 | 7.76 | .17 | 01-18-72 | 7.59 | -2.44 |
| 2N-24F-70CC 1 | OGALLALA FORMATION | .66 | 01-12-71 | 71.96 | -6.47 | 01-18-72 | 78.43 | -1.62 |
| 2N-24F-240CR 1 | OGALLALA FORMATION | -2.04 | 01-13-71 | 184.05 | -3.35H | 01-18-72 | 187.40H | -2.05H |
| 2N-25F-1240 1 | OGALLALA FORMATION | .99 | 01-13-71 | 5.50 | -1.21 | 01-19-72 | 6.71 | -.19 |
| 2N-25F-1440 2 | OGALLALA FORMATION | 1.61 | 01-13-71 | 84.06 | -.46 | 01-18-72 | 84.52 | 2.48 |
| 2N-25F-334CA 1 | OGALLALA FORMATION | ***** | 01-13-71 | 211.00 | .09 | 01-18-72 | 210.91 | ***** |
| 2N-26F-284A 1 | OGALLALA FORMATION | .55 | 01-13-71 | 54.49 | -2.45 | 01-19-72 | 56.94 | -1.54 |
| 2N-27F-2400 1 | ALLUVIUM | .30 | 01-13-71 | 17.69 | -1.59 | 01-19-72 | 19.28 | .15 |
| 2N-27F-140CR 1 | ALLUVIUM | .28 | 01-13-71 | 9.81 | -1.31 | 01-19-72 | 11.12 | -1.48 |
| 2N-27F-210CR 2 | ALLUVIUM | -.24 | 01-13-71 | 8.19 | -.07 | 01-19-72 | 8.26 | ***** |
| 2N-27F-2400 1 | OGALLALA FORMATION | ***** | 01-13-71 | ***** | ***** | | ***** | ***** |
| 2N-27F-2400 1 | ALLUVIUM | -.30 | 01-13-71 | 10.58 | .01 | 01-19-72 | 10.57 | -.27 |
| 2N-27F-3100A 1 | ALLUVIUM | -1.33 | 01-14-71 | 10.70 | .54 | 01-19-72 | 10.16 | -1.36 |
| 3N-24F-144AA 1 | OGALLALA FORMATION | -1.20H | 01-12-71 | 111.42R | -6.47H | 01-18-72 | 118.29 | ***** |
| 3N-26F-60CC 1 | OGALLALA FORMATION | .07R | 01-14-71 | 82.97 | -1.08 | 01-19-72 | 84.05 | ***** |

HEAVER COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 3N-26E-10AAH 1 | OGALLALA FORMATION | -.25R | 01-14-71 | 14.03 | -.30 | 01-19-72 | 14.33 | 5.14 |
| 3N-27E-40CD 1 | OGALLALA FORMATION | -.40 | 01-14-71 | 11.86 | -.26 | 01-19-72 | 12.12 | ***** |
| 3N-27E-14CCF 1 | OGALLALA FORMATION | -.05 | 01-14-71 | 85.29 | -.3R | 01-19-72 | 85.67 | .22 |
| 3N-28E-22CHA 1 | OGALLALA FORMATION | -1.26R | 01-14-71 | 13.63 | -.40 | 01-19-72 | 14.03 | ***** |
| 3N-28E-15CHH 1 | ALLUVIUM | -2.12 | 01-14-71 | 9.16 | -.05 | 01-19-72 | 9.21 | -.67 |
| 4N-20E-40CC 1 | OGALLALA FORMATION | -.21 | 01-12-71 | 126.12 | 4.34 | 01-19-72 | 121.78 | ***** |
| 4N-20E-19RCC 1 | OGALLALA FORMATION | -1.10 | 01-14-71 | 96.02 | -1.45 | 01-19-72 | 97.47 | ***** |
| 4N-20E-22CAO 1 | OGALLALA FORMATION | -.33 | 01-26-71 | 114.93 | -.71 | 01-19-72 | 115.64 | -.21 |
| 4N-22E-13AH- 1 | ALLUVIUM | .07 | 01-14-71 | 10.73 | -.82 | 01-19-72 | 11.55 | -.02 |
| 4N-24E-24CCC 1 | ALLUVIUM | -.61 | 01-14-71 | 22.19 | -.15 | 01-19-72 | 22.34 | -.25 |
| 4N-25E-25RHR 1 | OGALLALA FORMATION | -3.40 | 01-14-71 | 25.43 | -.56 | 01-19-72 | 25.99 | ***** |
| 4N-25E-31HAM 1 | OGALLALA FORMATION | -2.51 | 01-14-71 | 76.39 | -1.35 | 01-19-72 | 77.74 | ***** |
| 4N-26E-50CD 2 | OGALLALA FORMATION | -9.3R | 01-13-71 | 129.07 | -.21 | 01-18-72 | 129.2R | -.69 |
| 4N-28E-6ADA 1 | OGALLALA FORMATION | -.60 | 01-13-71 | 55.3R | .08 | 01-18-72 | 55.30 | 1.62 |
| 4N-28E-26JDA 1 | ALLUVIUM | -2.75 | 01-14-71 | 9.25 | -.34 | 01-19-72 | 9.59 | -1.50 |
| 4N-28E-34RHR 1 | ALLUVIUM | ***** | 01-14-71 | 14.64R | -2.01R | 01-19-72 | 16.65R | -1.36R |
| 5N-20E-20CD 1 | OGALLALA FORMATION | 1.10 | 01-12-71 | 143.83 | -4.4R | 01-19-72 | 144.31 | -7.51 |
| 5N-20E-20CC 1 | OGALLALA FORMATION | -7.45 | 01-12-71 | 14R.35 | 3.42 | 01-19-72 | 144.93 | ***** |
| 5N-20E-58RH 1 | OGALLALA FORMATION | -.39 | 01-12-71 | 89.1R | -3.35 | 01-19-72 | 92.53 | ***** |
| 5N-20E-24CCC 1 | OGALLALA FORMATION | -2.61 | 01-12-71 | 124.73 | -2.34 | 01-19-72 | 127.07 | ***** |
| 5N-21E-9HRC 1 | OGALLALA FORMATION | ***** | 01-06-71 | 166.92 | .94 | 01-31-72 | 165.9R | ***** |
| 5N-21E-90CD 1 | OGALLALA FORMATION | -.87 | 01-14-71 | 161.17 | .06 | 01-19-72 | 161.11 | 1.40 |
| 5N-21E-10CAA 1 | OGALLALA FORMATION | -.0R | 01-14-71 | 173.3R | -1.13 | 01-19-72 | 174.51 | -.92 |

HEAVER COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|
| 5N-21E-10CCC 1 | OGALLALA FORMATION | 7.91H | 01-14-71 160.84 | -14.51H | 01-19-72 175.35H | -7.38 |
| 5N-21E-12000 1 | OGALLALA FORMATION | ***** | 01-12-71 *****L | ***** | ***** | ***** |
| 5N-21E-17000 1 | OGALLALA FORMATION | -1.2H | 01-26-71 151.0H | -.32 | 01-31-72 151.40 | .6H |
| 5N-22E-20AAC 1 | OGALLALA FORMATION | .43 | 01-14-71 156.53 | 5.70 | 01-18-72 150.83 | 8.33 |
| 5N-22E-29C44 1 | OGALLALA FORMATION | -5.7H | 01-14-71 140.65 | 5.36 | 01-18-72 135.32 | .29 |
| 5N-23E-00CC 1 | OGALLALA FORMATION | ***** | 01-13-71 *****H | ***** | ***** | ***** |
| 5N-23E-22H44 1 | OGALLALA FORMATION | .31 | 01-13-71 103.46 | .23 | 01-18-72 103.25 | 3.46 |
| 5N-24E-40CC 2 | OGALLALA FORMATION | ***** | 01-13-71 *****H | ***** | ***** | ***** |
| 5N-24E-30CCC 1 | OGALLALA FORMATION | -1.71 | 01-13-71 5.90 | .27 | 01-18-72 5.63 | 2.06 |
| 5N-25E-444C 1 | OGALLALA FORMATION | -.54 | 01-13-71 56.43 | -.24 | 01-18-72 57.17 | -1.55 |
| 5N-25E-30CCC 1 | VERMILION BED BEDS | -2.24C | 01-13-71 16.76C | -1.1MC | 01-18-72 17.94 | -3.04 |
| 5N-26E-15000 1 | OGALLALA FORMATION | ***** | 01-27-71 188.19 | -.23 | 01-18-72 188.42 | ***** |
| 5N-27E-0800 1 | OGALLALA FORMATION | .97 | 01-13-71 62.60 | ***** | 01-18-72 *****K | ***** |
| 5N-27E-19400 1 | OGALLALA FORMATION | .21 | 01-13-71 158.82 | -1.7H | 01-18-72 160.60 | ***** |
| 5N-27E-35CCC 1 | OGALLALA FORMATION | -.33 | 01-13-71 60.23 | -1.94 | 01-18-72 62.17 | ***** |
| 5N-28E-68 1 | OGALLALA FORMATION | -1.05 | 01-13-71 49.33 | -.11 | 01-18-72 49.44 | -.46 |
| 5N-28E-22444 1 | OGALLALA FORMATION | ***** | 01-13-71 *****H | ***** | 01-18-72 20.23 | ***** |
| 5N-28E-27000 1 | OGALLALA FORMATION | -4.32 | 01-13-71 36.82 | -5.80 | 01-18-72 42.62 | -5.15 |
| 5N-28E-35C44 1 | OGALLALA FORMATION | -1.45 | 01-26-71 29.31 | ***** | 01-18-72 *****K | ***** |
| 6N-20E-17000 1 | OGALLALA FORMATION | ***** | 01-12-71 100.98 | -1.64 | 01-19-72 102.62 | 3.49 |
| 6N-20E-35000 1 | OGALLALA FORMATION | -1.39 | 01-14-71 145.99 | -2.10 | 01-19-72 148.09 | 9.22 |
| 6N-21E-15000 1 | OGALLALA FORMATION | ***** | 01-14-71 *****L | ***** | ***** | ***** |
| 6N-21E-18CCC 1 | OGALLALA FORMATION | ***** | 01-14-71 158.63 | 3.26 | 01-19-72 155.37 | -.48 |

HEAVEN COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 | | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 | | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|---------------------|--------|-------------------------------------|---------------------|--------|-------------------------------------|
| | | | DATE | DEPTH | | DATE | DEPTH | |
| 6N-22E-24000 1 | OGALLALA FORMATION | .02 | 01-26-71 | 103.27 | -.01 | 01-31-72 | 103.28 | .23 |
| 6N-22E-324AD 1 | OGALLALA FORMATION | -1.05 | 01-13-71 | 166.19 | -.56 | 01-18-72 | 166.75 | 10.91 |
| 6N-23E-24AAD 1 | OGALLALA FORMATION | .86 | 01-13-71 | 65.53 | -1.46 | 01-18-72 | 66.99 | 1.10 |
| 6N-24E-27CCC 1 | OGALLALA FORMATION | .02 | 01-13-71 | 116.74 | -.03 | 01-18-72 | 116.77 | -.17 |
| 6N-25E-22HFC 1 | ALLUVIUM | ***** | 01-26-71 | 24.46H | 12.04H | 01-18-72 | 12.38 | -.44 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 | | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 | | WATER LEVEL CHANGE 1967-72 |
|------------------|--|-------------------------------------|---------------------|--------|-------------------------------------|---------------------|--------|-------------------------------------|
| | | | DATE | DEPTH | | DATE | DEPTH | |
| 1N- 1E- RCCC 1 | OGALLALA FORMATION | ***** | 01-12-71 | 28.53B | 1.18B | 01-18-72 | 27.35 | -2.67B |
| 1N- 1E-10AAD 1 | MORRISON FORMATION DOCAUM GROUP | ***** | 01-12-71 | 162.49 | -1.19 | 01-18-72 | 163.68 | ***** |
| 1N- 1E-15HHH 1 | CHEYENNE SANDSTONE | -2.82 | 01-12-71 | 185.60 | .25 | 01-18-72 | 185.35 | -11.80 |
| 1N- 1E-20ACC 1 | CHEYENNE SANDSTONE | -2.09 | 01-12-71 | 174.11 | -.32 | 01-18-72 | 174.43 | -7.51 |
| 1N- 1E-20DCD 1 | CHEYENNE SANDSTONE | -1.55 | 01-19-71 | 180.58 | -1.99 | 01-18-72 | 182.57 | -7.33 |
| 1N- 1E-25CHH 1 | CHEYENNE SANDSTONE | -3.80 | 01-12-71 | 162.32 | -5.31 | 01-18-72 | 167.63 | -8.18C |
| 1N- 1E-28CCC 1 | DAKOTA SANDSTONE | -2.53 | 01-12-71 | 163.70 | .43 | 01-18-72 | 163.27 | -5.57E |
| 1N- 1E-33ACD 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -1.73 | 01-12-71 | 182.27 | -.70 | 01-18-72 | 182.97 | -6.09 |
| 1N- 1E-34DCA 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -4.18 | 01-12-71 | 181.95 | .44 | 01-18-72 | 181.51 | -5.77 |
| 1N- 1E-35AHC 1 | CHEYENNE SANDSTONE | -4.73 | 01-12-71 | 166.68 | 2.13 | 01-18-72 | 164.55 | -5.40 |
| 1N- 2E- 50DD 1 | CHEYENNE SANDSTONE | -13.49 | 01-12-71 | 114.47 | 8.12 | 01-18-72 | 106.35 | -8.98 |
| 1N- 2E- 70CH 1 | CHEYENNE SANDSTONE | ***** | | *****N | ***** | 01-18-72 | 159.17 | -9.11 |
| 1N- 2E- 70AA 1 | CHEYENNE SANDSTONE | -14.08 | 01-12-71 | 159.65 | 13.47 | 01-18-72 | 146.18 | -2.11 |
| 1N- 2E- 98CH 1 | DAKOTA SANDSTONE | -6.08 | 01-12-71 | 134.50 | 2.82 | 01-18-72 | 131.68 | -1.35 |
| 1N- 2E-104DD 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -6.45 | 01-12-71 | 109.25 | 4.80 | 01-18-72 | 104.45 | ***** |
| 1N- 2E-11AAH 1 | DAKOTA SANDSTONE | ***** | 01-12-71 | *****M | ***** | | ***** | ***** |
| 1N- 2E-12AHH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -1.08 | 01-12-71 | 99.69 | ***** | 01-18-72 | *****N | ***** |
| 1N- 2E-12DFA 1 | DAKOTA SANDSTONE | -6.11 | 01-13-71 | 97.71 | 3.36 | 01-18-72 | 94.35 | -.11 |
| 1N- 2E-13PHC 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -9.45 | 01-13-71 | 99.70 | 2.15 | 01-18-72 | 97.55 | .90 |
| 1N- 2E-15CHD 1 | CHEYENNE SANDSTONE | ***** | 01-13-71 | *****M | ***** | | ***** | ***** |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | WATER LEVEL DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | WATER LEVEL DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|--|-------------------------------------|-----------------------------|----------------------|-------------------------------------|-----------------------------|----------------------|-------------------------------------|
| 1N- 2E-16RDC 2 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | ***** | 01-13-71 | ***** | ***** | 01-19-72 | 122.30M | 8.80M |
| 1N- 2E-19CCH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -8.52 | 01-12-71 | 140.30 | ***** | 01-18-72 | *****M | ***** |
| 1N- 2E-22ADA 1 | DAKOTA SANDSTONE | -.67 | 01-13-71 | 96.37 | .83 | 01-18-72 | 95.54 | -2.69 |
| 1N- 2E-24CCH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -13.85 | 01-13-71 | 123.30 | 8.76 | 01-18-72 | 114.54 | -1.83 |
| 1N- 2E-26HAD 1 | CHEYENNE SANDSTONE | -20.32 | 01-13-71 | 134.90 | 15.62 | 01-18-72 | 119.28 | -2.65 |
| 1N- 2E-27HCC 1 | DAKOTA SANDSTONE | -.82 | 01-13-71 | 90.14 | .37 | 01-18-72 | 89.77 | -1.25 |
| 1N- 2E-29HHA 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -1.06 | 01-12-71 | 110.57 | -.59 | 01-18-72 | 111.16 | ***** |
| 1N- 2E-30RCC 1 | OGALLALA FORMATION | .92 | 01-12-71 | 137.53 | -1.20 | 01-18-72 | 138.73 | ***** |
| 1N- 3E- 8ADH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -13.74 | 01-13-71 | 91.15 | 11.21 | 01-18-72 | 79.94 | .40 |
| 1N- 3E- 9DDU 1 | OGALLALA FORMATION | -2.72 | 01-13-71 | 100.07 | 1.23 | 01-19-72 | 98.84 | .14 |
| 1N- 3E-10CCH 1 | OGALLALA FORMATION | -1.15 | 01-13-71 | 95.70 | .85 | 01-19-72 | 94.85 | 1.64 |
| 1N- 3E-14RCH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -6.10C | 01-13-71 | 100.25 | .81 | 01-19-72 | 99.44 | -9.04 |
| 1N- 3E-17CSC 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -13.24 | 01-13-71 | 109.56 | 5.11 | 01-19-72 | 104.45 | ***** |
| 1N- 3E-19CCD 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -17.74 | 01-13-71 | 109.90 | 10.03 | 01-19-72 | 99.87 | -4.42 |
| 1N- 3E-25RRH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -14.50 | 01-13-71 | 94.43 | 7.25 | 01-19-72 | 87.18 | 11.67 |
| 1N- 3E-29CCB 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -33.25 | 01-13-71 | 167.04 | 15.88 | 01-19-72 | 151.16 | -13.81 |
| 1N- 3E-32ACC 1 | OGALLALA FORMATION | 2.88 | 01-13-71 | 54.25 | -5.57 | 01-19-72 | 59.82 | -4.52E |
| 1N- 3E-33DCC 1 | OGALLALA FORMATION | -.30 | 01-13-71 | 42.15 | .57 | 01-19-72 | 41.58 | -1.04 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 | | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 | | WATER LEVEL CHANGE 1967-72 |
|------------------|--|-------------------------------------|---------------------|--------|-------------------------------------|---------------------|--------|-------------------------------------|
| | | | DATE | DEPTH | | DATE | DEPTH | |
| 1N- 3E-35CAA 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -5.17 | 01-13-71 | 80.22 | 2.37 | 01-19-72 | 77.85 | -4.08 |
| 1N- 3E-36CHH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -1.95 | 01-13-71 | 70.94 | -.44 | 01-18-72 | 71.38 | -3.81 |
| 1N- 4E- 90DD 1 | OGALLALA FORMATION | 1.85 | 01-13-71 | 59.20 | 2.68 | 01-19-72 | 56.52 | 3.13 |
| 1N- 4E-26ADC 1 | OGALLALA FORMATION | -1.68 | 01-13-71 | 55.30 | 1.18 | 01-19-72 | 54.12 | 3.13 |
| 1N- 4E-30DD 1 | OGALLALA FORMATION | ***** | 01-13-71 | ***** | ***** | 01-19-72 | 51.74M | -2.55M |
| 1N- 5E-21CHC 1 | OGALLALA FORMATION | -1.19 | 01-13-71 | 67.40 | .06 | 01-19-72 | 67.34 | .99 |
| 1N- 5E-25CHH 1 | OGALLALA FORMATION | 8.98 | 01-12-71 | 53.46 | -8.85 | 01-19-72 | 62.31 | -1.67 |
| 1N- 5E-27DHD 1 | OGALLALA FORMATION | .51 | 01-12-71 | 61.66 | -.87 | 01-19-72 | 62.53 | 4.27 |
| 1N- 5E-28CCC 1 | OGALLALA FORMATION | 1.12 | 01-13-71 | 68.86 | -.17 | 01-19-72 | 69.03 | 5.09C |
| 1N- 5E-32HRA 1 | OGALLALA FORMATION | .83 | 01-13-71 | 67.05 | -.14 | 01-19-72 | 67.19 | -3.86 |
| 1N- 5E-33ADC 1 | OGALLALA FORMATION | -22.73 | 01-19-71 | 107.37 | 16.51 | 01-19-72 | 90.86 | 1.62B |
| 1N- 5E-33HHR 1 | OGALLALA FORMATION | .31 | 01-13-71 | 70.40 | -.03 | 01-19-72 | 70.43 | ***** |
| 1N- 5E-34CDD 1 | OGALLALA FORMATION | .26 | 01-12-71 | 80.79 | -1.97 | 01-19-72 | 82.76 | 2.09 |
| 1N- 5E-35DHC 1 | OGALLALA FORMATION | .37 | 01-12-71 | 69.92 | -.71 | 01-19-72 | 70.63 | .60 |
| 1N- 6E- 5BAA 1 | OGALLALA FORMATION | 3.45 | 01-12-71 | 99.80 | -3.75 | 01-19-72 | 103.55 | 2.75A |
| 1N- 6E-26CDD 1 | OGALLALA FORMATION | .57 | 01-12-71 | 103.79 | -.05 | 01-19-72 | 103.84 | 1.11 |
| 1N- 7E-18DCC 1 | OGALLALA FORMATION | -.11 | 01-12-71 | 87.01 | -1.12 | 01-19-72 | 88.13 | ***** |
| 1N- 7E-28RAD 1 | DOCKUM GROUP | -.10 | 01-12-71 | 192.99 | -1.11 | 01-19-72 | 194.10 | -1.80 |
| 1N- 8E- 3BRB 1 | OGALLALA FORMATION | 1.09 | 01-12-71 | 297.16 | .06 | 01-18-72 | 297.10 | -3.16 |
| 1N- 8E- 4DDB 1 | OGALLALA FORMATION | -1.09 | 01-12-71 | 307.11 | -.36 | 01-18-72 | 307.47 | -1.87 |
| 1N- 8E-25ACB 1 | OGALLALA FORMATION | -7.13 | 01-12-71 | 282.60 | -1.27 | 01-18-72 | 283.87 | -13.01 |
| 1N- 9E- 4HBC 1 | OGALLALA FORMATION | -2.75 | 01-12-71 | 289.07 | -2.55 | 01-18-72 | 291.62 | -10.74 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 | | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 | | WATER LEVEL CHANGE 1967-72 |
|------------------|--|-------------------------------------|---------------------|--------|-------------------------------------|---------------------|---------|-------------------------------------|
| | | | DATE | DEPTH | | DATE | DEPTH | |
| 1N- 9E-10CRO 1 | OGALLALA FORMATION | ***** | 01-12-71 | 259.74 | -3.02 | 01-18-72 | 262.76 | ***** |
| 1N- 9E-11CHD 1 | OGALLALA FORMATION | -3.47 | 01-12-71 | 277.96 | -1.48 | 01-18-72 | 279.44 | ***** |
| 1N- 9E-27DDA 1 | OGALLALA FORMATION | -2.59 | 01-12-71 | 234.93 | -4.42 | 01-18-72 | 239.35 | -13.42 |
| 1N- 9E-29DCR 1 | OGALLALA FORMATION | -3.08 | 01-12-71 | 279.60 | -2.43 | 01-18-72 | 282.03 | -10.84 |
| 2N- 1E-27CAD 1 | DAKOTA SANDSTONE | .188 | 01-12-71 | 96.74 | .03 | 01-18-72 | 96.71 | -.278 |
| 2N- 2E- 1ADH 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -.69 | 01-12-71 | 149.53 | .44 | 01-18-72 | 149.09 | -.52 |
| 2N- 2E-12ARB 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | ***** | 01-12-71 | ***** | ***** | 01-18-72 | 190.32M | -39.87M |
| 2N- 2E-13RRR 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -.49 | 01-12-71 | 129.75 | .60 | 01-18-72 | 129.15 | 1.25 |
| 2N- 2E-16CAA 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -1.06 | 01-12-71 | 132.06 | 1.06 | 01-18-72 | 131.00 | -.46 |
| 2N- 2E-25RAD 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | -3.62 | 01-12-71 | 103.99 | .92 | 01-18-72 | 103.07 | -3.17 |
| 2N- 3E- 2ACA 1 | CHEYENNE SANDSTONE | -12.49 | 01-12-71 | 189.38 | -3.98 | 01-18-72 | 193.36 | -9.89 |
| 2N- 3E- 5RAA 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | .67E | 01-12-71 | 126.13 | -.79 | 01-18-72 | 126.92 | -.69 |
| 2N- 5E- 1CFC 1 | OGALLALA FORMATION | ***** | 01-12-71 | 121.39 | 2.52 | 01-18-72 | 118.87 | -1.028 |
| 2N- 5E- 1DDA 1 | OGALLALA FORMATION | -1.51 | 01-12-71 | 119.26 | -2.11 | 01-18-72 | 121.37 | -5.32 |
| 2N- 5E- 2DAA 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****M | ***** | | ***** | ***** |
| 2N- 5E- 6ADA 1 | OGALLALA FORMATION | -4.38 | 01-13-71 | 110.65 | .88 | 01-18-72 | 109.77 | -9.60 |
| 2N- 6E- 4RRR 1 | OGALLALA FORMATION | -.17 | 01-13-71 | 132.54 | -.14 | 01-19-72 | 132.68 | -10.15 |
| 2N- 7E- 1DDD 1 | OGALLALA FORMATION | -5.56 | 01-13-71 | 270.10 | -2.20 | 01-18-72 | 272.30 | -15.30 |
| 2N- 7E- 6AAA 1 | OGALLALA FORMATION | ***** | 01-19-71 | 142.52 | -2.24 | 01-19-72 | 144.76 | -8.11 |
| 2N- 7E- 6CCR 1 | OGALLALA FORMATION | 1.08 | 01-13-71 | 155.76 | -6.05 | 01-19-72 | 161.81 | -2.61 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | DATE | WATER LEVEL 1971 DEPTH | WATER LEVEL CHANGE 1971-72 | DATE | WATER LEVEL 1972 DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|--|-------------------------------------|----------|------------------------------|-------------------------------------|----------|------------------------------|-------------------------------------|
| 2N- 7E- 9ACC 1 | OGALLALA FORMATION | -2.71 | 01-13-71 | 166.20 | .66 | 01-19-72 | 165.54 | 1.36 |
| 2N- 7E-1300D 1 | OGALLALA FORMATION | -7.06 | 01-13-71 | 271.18 | 9.23 | 01-18-72 | 261.95 | .19 |
| 2N- 7E-180CH 1 | OGALLALA FORMATION | ***** | 01-13-71 | 184.16 | ***** | 01-19-72 | *****K | ***** |
| 2N- 7E-250CH 1 | OGALLALA FORMATION | ***** | 01-13-71 | 183.30 | -.60 | 01-19-72 | 183.90 | -8.38 |
| 2N- 7E-26AAC 1 | OGALLALA FORMATION | ***** | 01-13-71 | 230.36C | -2.20C | 01-18-72 | 232.56 | -9.36 |
| 2N- 8E-178HA 1 | OGALLALA FORMATION | -1.42 | 01-13-71 | 263.00 | -3.86 | 01-18-72 | 266.86 | -11.13 |
| 2N- 8E-190HR 1 | OGALLALA FORMATION | -2.29 | 01-13-71 | 232.96 | -1.69 | 01-18-72 | 234.65 | -7.75 |
| 2N- 8E-20ARA 1 | OGALLALA FORMATION | -.89 | 01-13-71 | 263.31 | ***** | 01-18-72 | *****K | ***** |
| 2N- 8E-22APC 1 | OGALLALA FORMATION | -1.50 | 01-13-71 | 268.82 | -4.97 | 01-18-72 | 273.79 | -13.64 |
| 2N- 8E-26AHR 1 | OGALLALA FORMATION | -1.37 | 01-13-71 | 296.85 | -3.17 | 01-18-72 | 300.02 | -10.18 |
| 2N- 8E-36MRH 1 | OGALLALA FORMATION | ***** | 01-12-71 | 300.68 | -8.04 | 01-18-72 | 308.72 | -9.97 |
| 2N- 9E- 2ACC 1 | OGALLALA FORMATION | ***** | 01-13-71 | 115.78 | 1.46 | 01-18-72 | 114.32 | 1.58 |
| 2N- 9E-230CH 1 | OGALLALA FORMATION | ***** | 01-12-71 | 167.49 | -2.01 | 01-18-72 | 169.50 | ***** |
| 2N- 9E-32CHR 1 | OGALLALA FORMATION | ***** | 01-13-71 | *****L | ***** | | ***** | ***** |
| 2N- 9E-33AHR 1 | OGALLALA FORMATION | -1.98 | 01-12-71 | 266.63 | -2.03 | 01-18-72 | 268.66 | 4.39 |
| 2N- 9E-36DCC 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****N | ***** | 01-18-72 | 247.72M | -8.26M |
| 3N- 1E-22AAA 1 | OGALLALA FORMATION | 1.03 | 01-13-71 | 117.41 | -.23 | 01-18-72 | 117.64 | 1.44 |
| 3N- 2E- 5CCA 1 | DAKOTA SANDSTONE CHEYENNE SANDSTONE | 14.97 | 01-13-71 | 115.92 | -6.58 | 01-18-72 | 122.50 | 4.28 |
| 3N- 2E-26BCD 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****M | ***** | | ***** | ***** |
| 3N- 2E-28CCC 1 | OGALLALA FORMATION | 5.55 | 01-19-71 | 32.60 | 3.96 | 01-18-72 | 28.64 | 1.35 |
| 3N- 4E-11CAC 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****A | ***** | 01-18-72 | 158.20 | -4.60 |
| 3N- 4E-17BRA 1 | OGALLALA FORMATION | -.28 | 01-12-71 | 126.37 | -.54 | 01-18-72 | 126.91 | -1.53 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|
| 3N- 4E-28ARC 1 | OGALLALA FORMATION | -16.97R | 01-12-71 152.27R | ***** | 01-18-72 *****N | ***** |
| 3N- 4E-30HDD 1 | OGALLALA FORMATION | -1.34 | 01-12-71 133.91 | .54 | 02-29-72 133.37 | -2.16 |
| 3N- 4E-33RCC 1 | OGALLALA FORMATION | -3.72 | 01-12-71 111.91 | .52 | 01-18-72 111.39 | -4.80 |
| 3N- 5E- 1AAA 1 | OGALLALA FORMATION | -10.59 | 01-13-70 170.20 | -.14 | 01-19-72 170.34 | -22.94 |
| 3N- 5E- 20CH 1 | OGALLALA FORMATION | -8.24 | 01-13-71 178.74 | -2.50 | 01-19-72 181.24 | -24.49 |
| 3N- 5E- 3RCC 1 | OGALLALA FORMATION | ***** | 01-13-71 *****A | ***** | 01-18-72 194.9R | -18.83 |
| 3N- 5E- 5DAA 1 | OGALLALA FORMATION | -6.95 | 01-12-71 198.83 | -.92 | 01-18-72 199.75 | -18.23 |
| 3N- 5E- 9RCD 1 | OGALLALA FORMATION | -6.59 | 01-12-71 201.79 | -5.37 | 01-18-72 207.16 | -24.13 |
| 3N- 5E-10RDD 1 | OGALLALA FORMATION | -.24 | 01-13-71 184.04 | -11.22 | 01-18-72 195.26 | -23.36 |
| 3N- 5E-11CCC 1 | OGALLALA FORMATION | -8.2R | 01-20-71 164.3R | -4.19 | 01-18-72 168.57 | -24.37 |
| 3N- 5E-12ACC 1 | OGALLALA FORMATION | -5.70 | 01-20-71 149.34 | -2.30 | 01-24-72 151.64 | -21.29 |
| 3N- 5E-14ADA 1 | OGALLALA FORMATION | -6.63 | 01-20-71 158.79 | -3.33 | 01-18-72 162.12 | -23.07 |
| 3N- 5E-16DAA 1 | OGALLALA FORMATION | -5.36 | 01-12-71 184.07 | -2.70 | 01-18-72 186.77 | -16.63 |
| 3N- 5E-18RRR 1 | OGALLALA FORMATION | -1.07 | 01-12-71 176.41 | -2.11 | 01-18-72 178.52 | -6.14 |
| 3N- 5E-23RRR 1 | OGALLALA FORMATION | -16.34C | 01-12-71 173.44C | 6.04C | 01-18-72 167.40 | -19.15 |
| 3N- 5E-24ARR 1 | OGALLALA FORMATION | ***** | 01-19-71 *****M | ***** | ***** | ***** |
| 3N- 5E-36DCD 1 | OGALLALA FORMATION | -9.42 | 01-12-71 146.54 | 15.07 | 01-18-72 131.47 | -6.32 |
| 3N- 6E- 1ARC 1 | OGALLALA FORMATION | ***** | 01-13-71 96.01 | -2.08 | 01-19-72 98.09 | -8.19 |
| 3N- 6E- 4RRR 1 | OGALLALA FORMATION | -11.5R | 01-19-71 137.33 | -5.20 | 01-18-72 142.53 | -19.23 |
| 3N- 6E- 5RAH 1 | OGALLALA FORMATION | -4.43C | 01-19-71 160.81 | ***** | 01-18-72 *****K | ***** |
| 3N- 6E- 7ADD 1 | OGALLALA FORMATION | ***** | 01-12-71 *****K | ***** | 01-18-72 *****K | ***** |
| 3N- 6E- 8CPH 1 | OGALLALA FORMATION | -6.74 | 01-13-71 141.97 | -2.49 | 01-19-72 144.46 | -21.18 |
| 3N- 6E- 9RCC 1 | OGALLALA FORMATION | -5.83 | 01-13-71 130.6R | -4.62 | 01-19-72 135.30 | -8.60 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | DATE | WATER LEVEL 1971 DEPTH | WATER LEVEL CHANGE 1971-72 | DATE | WATER LEVEL 1972 DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|----------|------------------------------|-------------------------------------|----------|------------------------------|-------------------------------------|
| 3N- 6F-10CCD 1 | OGALLALA FORMATION | -3.80 | 01-13-71 | 135.03 | -2.32 | 01-19-72 | 137.35 | ***** |
| 3N- 6F-14ARR 1 | OGALLALA FORMATION | -6.92 | 01-13-71 | 108.08 | .11 | 01-18-72 | 107.97 | -9.24 |
| 3N- 6E-15DCA 1 | OGALLALA FORMATION | -12.96 | 01-13-71 | 128.41 | 8.22 | 01-19-72 | 120.19 | ***** |
| 3N- 6E-16CHH 1 | OGALLALA FORMATION | -.39 | 01-13-71 | 110.44 | -.95 | 01-19-72 | 111.39 | 3.53 |
| 3N- 7E- 9RRH 1 | OGALLALA FORMATION | ***** | 01-13-71 | 31.41 | 1.56 | 01-18-72 | 29.85 | 1.97 |
| 3N- 7E-14RRR 1 | DOCKUM GROUP | .50 | 01-13-71 | 191.62 | ***** | 01-18-72 | *****K | ***** |
| 3N- 7E-32RAA 1 | OGALLALA FORMATION | 1.79 | 01-13-71 | 134.51 | -2.73 | 01-19-72 | 137.24 | -2.67 |
| 3N- 7E-33DDC 1 | OGALLALA FORMATION | .68 | 01-13-71 | 133.67 | -2.47 | 01-19-72 | 136.14 | ***** |
| 3N- 8E- 2ARR 1 | OGALLALA FORMATION | ***** | 01-19-71 | *****M | ***** | | ***** | ***** |
| 3N- 9E- 2AAD 1 | OGALLALA FORMATION | -.86 | 01-13-71 | 227.14 | ***** | 01-18-72 | *****K | ***** |
| 3N- 9E-13ARR 1 | OGALLALA FORMATION | -3.85 | 01-13-71 | 193.65 | -.40 | 01-18-72 | 194.05 | -2.24 |
| 3N- 9E-15CHC 1 | OGALLALA FORMATION | ***** | 01-19-71 | 229.07 | -.42 | 01-18-72 | 229.49 | -13.54 |
| 4N- 1E- 4CDD 1 | DAKOTA SANDSTONE | -1.69 | 01-13-71 | 21.84 | .28 | 01-18-72 | 21.56 | -1.46 |
| 4N- 1E-32DDC 1 | DAKOTA SANDSTONE | ***** | 01-13-71 | 24.08 | ***** | 01-18-72 | *****K | ***** |
| 4N- 2E-28BAC 1 | DAKOTA SANDSTONE | -8.89R | 01-13-71 | 89.15B | 9.92B | 01-18-72 | 79.23 | -4.73B |
| 4N- 3E-10ADA 1 | DAKOTA SANDSTONE | -.32 | 01-12-71 | 146.69 | -7.30 | 01-18-72 | 153.99 | -8.46 |
| 4N- 3E-22CHC 1 | DAKOTA SANDSTONE | -5.05 | 01-13-71 | 33.55 | 4.09 | 01-18-72 | 29.46 | -.96 |
| 4N- 4E-23RRH 1 | OGALLALA FORMATION | .16R | 01-12-71 | 93.20B | -4.34B | 01-18-72 | 97.54A | -5.34A |
| 4N- 4E-26RCH 1 | OGALLALA FORMATION | -5.16 | 01-12-71 | 212.36 | -6.24 | 01-18-72 | 218.60 | -17.33 |
| 4N- 4E-36AAC 1 | OGALLALA FORMATION | -4.20 | 01-12-71 | 180.08 | -.95 | 01-24-72 | 181.03 | -12.15 |
| 4N- 5E-15RRH 1 | CHEYENNE SANDSTONE | .10 | 01-13-71 | 121.40 | .26 | 01-18-72 | 121.14 | ***** |
| 4N- 5E-24DRH 1 | OGALLALA FORMATION | -3.86 | 01-13-71 | 183.40 | -3.46 | 01-19-72 | 186.86 | -12.46 |
| 4N- 5E-30DRD 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****M | ***** | | ***** | ***** |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|---------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 4N- 5E-31CCD 1 | OGALLALA FORMATION | -2.88 | 01-12-71 | 185.25 | -.23 | 01-18-72 | 185.48 | -11.43 |
| 4N- 5E-32AAA 1 | OGALLALA FORMATION | -1.14 | 01-12-71 | 181.70 | -1.63 | 01-18-72 | 183.33 | -7.00 |
| 4N- 5E-33DDC 1 | OGALLALA FORMATION | -22.04 | 01-12-71 | 198.30 | 12.42 | 01-24-72 | 185.88 | -20.80 |
| 4N- 5E-36ACH 1 | OGALLALA FORMATION | -8.67 | 01-13-71 | 176.98 | -1.65 | 01-19-72 | 178.63 | -21.58 |
| 4N- 6E- 2AHH 1 | DOCKUM GROUP | -.99 | 01-20-71 | 212.63 | .45 | 01-18-72 | 212.18 | -4.23 |
| 4N- 6E- 2CDB 1 | OGALLALA FORMATION | -1.13 | 01-20-71 | 204.12 | -2.40 | 01-18-72 | 206.52 | -7.32 |
| 4N- 6E- 7DDD 1 | OGALLALA FORMATION | -2.18 | 01-13-71 | 189.47 | -1.92 | 01-18-72 | 191.39 | ***** |
| 4N- 6E- 9ACH 1 | DOCKUM GROUP | -3.15 | 01-20-71 | 204.65 | ***** | 01-18-72 | *****K | ***** |
| 4N- 6E-17CDC 1 | DOCKUM GROUP | -10.25 | 01-13-71 | 216.40 | .98 | 02-29-72 | 215.42 | -22.52 |
| 4N- 6E-18DCC 1 | OGALLALA FORMATION | -14.53 | 01-20-71 | 215.75 | -6.80 | 01-18-72 | 222.55 | -29.45 |
| 4N- 6E-21CCD 1 | OGALLALA FORMATION | -9.32 | 01-13-71 | 170.22 | ***** | 01-18-72 | *****K | ***** |
| 4N- 6E-22CPR 1 | OGALLALA FORMATION | -11.96 | 01-14-71 | 166.92 | -5.76 | 01-18-72 | 172.68 | -26.13 |
| 4N- 6E-23RAH 1 | OGALLALA FORMATION | -3.42 | 01-20-71 | 140.53 | -4.35 | 01-18-72 | 144.88 | -17.43 |
| 4N- 6E-25HRC 1 | OGALLALA FORMATION | -2.10 | 01-13-71 | 120.55 | -2.62 | 01-18-72 | 123.17 | -11.17 |
| 4N- 6E-26CRC 1 | OGALLALA FORMATION | -4.62 | 01-13-71 | 131.72 | -2.00 | 01-18-72 | 133.72 | -22.52 |
| 4N- 6E-30DCC 1 | OGALLALA FORMATION | -4.13 | 01-13-71 | 179.89 | ***** | 01-18-72 | *****K | ***** |
| 4N- 6E-35CHC 1 | OGALLALA FORMATION | ***** | 01-13-71 | 133.62 | ***** | 01-18-72 | *****A | ***** |
| 4N- 7E- 1DAA 1 | OGALLALA FORMATION | .04 | 01-19-71 | 190.15 | ***** | 01-19-72 | *****K | ***** |
| 4N- 7E- 3CRA 1 | OGALLALA FORMATION | -1.47 | 01-19-71 | 186.26 | -10.72 | 01-19-72 | 196.98 | -17.73 |
| 4N- 7E- 4RCC 1 | OGALLALA FORMATION | -8.48C | 01-19-71 | 225.11C | -2.81C | 01-24-72 | 227.92 | ***** |
| 4N- 7E- 7ARB 1 | OGALLALA FORMATION | -1.81 | 01-19-71 | 200.06 | -2.13 | 01-19-72 | 206.19 | -9.09 |
| 4N- 7E- 9CRH 1 | OGALLALA FORMATION | -6.93 | 01-13-71 | 1 | -5.62 | 01-24-72 | 198.14 | -21.19 |
| 4N- 7E-14CRR 1 | OGALLALA FORMATION | -3.90 | 01-19-71 | 15.38 | -7.22 | 01-19-72 | 160.60 | -14.75 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 | | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 | | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|---------------------|---------|-------------------------------------|---------------------|--------|-------------------------------------|
| | | | DATE | DEPTH | | DATE | DEPTH | |
| 4N- 7E-15HRC 1 | OGALLALA FORMATION | ***** | 01-19-71 | *****A | ***** | 01-24-72 | 150.92 | -8.22 |
| 4N- 7E-16ACC 1 | OGALLALA FORMATION | -1.60 | 01-19-71 | 137.55 | -2.36 | 01-19-72 | 139.91 | -8.35 |
| 4N- 7E-18CRR 1 | OGALLALA FORMATION | -6.49C | 01-13-71 | 165.60C | -5.73C | 01-19-72 | 171.33 | -17.10 |
| 4N- 7E-32DHH 1 | OGALLALA FORMATION | ***** | 01-19-71 | *****K | ***** | 01-19-72 | 84.54 | .66 |
| 4N- 8E- 5AAH 1 | OGALLALA FORMATION | -.22 | 01-19-71 | 183.15 | ***** | 01-19-72 | *****N | ***** |
| 4N- 9E- 4DCC 1 | DOCKUM GROUP | -.11 | 01-19-71 | 228.99 | ***** | 01-24-72 | *****K | ***** |
| 4N- 9E-11ADA 1 | DOCKUM GROUP | 5.48 | 01-19-71 | 220.02 | -1.32 | 01-19-72 | 221.34 | -3.85 |
| 5N- 1E- 2DCH 1 | MORRISON FORMATION | -13.12B | 01-13-71 | 35.53B | 10.99B | 01-19-72 | 24.54 | ***** |
| 5N- 1E- 7CCC 1 | ALLUVIUM | .08 | 01-13-71 | 11.34 | 1.80 | 01-19-72 | 9.54 | 2.34 |
| 5N- 1E-16BCC 1 | MORRISON FORMATION | -7.25 | 01-13-71 | 41.11 | 8.19 | 01-19-72 | 32.92 | -2.65 |
| 5N- 1E-25DDD 1 | CHEYENNE SANDSTONE | -.56 | 01-13-71 | 11.02 | .15 | 01-19-72 | 11.67 | -.03 |
| 5N- 5E- 9AAH 1 | ALLUVIUM | -1.35 | 01-13-71 | 6.62 | -.04 | 01-19-72 | 6.66 | -.58 |
| 5N- 6E- 9CDD 1 | DOCKUM GROUP | -4.60A | 01-13-71 | 11.18A | -1.63A | 01-19-72 | 12.01 | -6.01C |
| 5N- 7E-35CCH 1 | OGALLALA FORMATION | -1.75 | 01-19-71 | 204.25 | ***** | 01-19-72 | *****K | ***** |
| 5N- 9E- 5AAA 1 | OGALLALA FORMATION | .05 | 01-19-71 | 177.79 | -.31 | 01-24-72 | 178.10 | -.05 |
| 5N- 9E-22AHA 1 | OGALLALA FORMATION | 7.73B | 01-19-71 | 191.37 | -.62 | 01-24-72 | 191.99 | -1.09 |
| 5N- 9E-36CRC 1 | OGALLALA FORMATION | 16.87 | 01-19-71 | 199.68 | -9.37 | 01-19-72 | 209.05 | -9.72 |
| 6N- 1E- 7DDD 1 | DOCKUM GROUP | -5.18B | 01-13-71 | 26.12B | 3.96B | 01-19-72 | 22.16 | -1.29 |
| 6N- 1E-17ACC 1 | ALLUVIUM | -5.74 | 01-13-71 | 34.50 | 3.71 | 01-19-72 | 30.79 | -1.69 |
| 6N- 1E-20DDH 1 | ALLUVIUM | -1.24 | 01-13-71 | 25.50 | .29 | 01-19-72 | 25.21 | .04 |
| 6N- 3E-14BCD 1 | DAKOTA SANDSTONE | -1.98 | 01-13-71 | 14.22 | -.42 | 01-19-72 | 14.64 | -2.95 |
| 6N- 3E-26CHR 2 | CHEYENNE SANDSTONE | -.87 | 01-13-71 | 9.47 | .49 | 01-19-72 | 8.98 | -.18 |
| 6N- 3E-33ACA 1 | CHEYENNE SANDSTONE | ***** | 01-19-71 | 16.52 | -.09 | 01-19-72 | 16.61 | -.22 |

CIMARRON COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1967-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 6N- 4E-14HRR 1 | DAKOTA SANDSTONE | - .71 | 01-13-71 | 72.81 | 1.14 | 01-19-72 | 71.67 | - .08 |
| 6N- 4E-24ADD 1 | CHEYENNE SANDSTONE | 11.04A | 01-13-71 | 22.98 | -2.36 | 01-19-72 | 25.34 | -6.12 |
| 6N- 5E-21BAH 1 | CHEYENNE SANDSTONE | ***** | 01-13-71 | ***** | ***** | | ***** | ***** |
| 6N- 5E-31DDH 1 | MORRISON FORMATION | -1.58 | 01-13-71 | 13.98 | -1.12 | 01-19-72 | 15.10 | -2.08 |
| 6N- 6E-31CHR 2 | ALLUVIUM | ***** | 01-14-71 | ***** | ***** | 01-19-72 | 50.94 | -4.44A |
| 6N- 7E-24HAC 1 | ALLUVIUM | -2.09 | 01-13-71 | 7.19 | - .27 | 01-19-72 | 7.46 | .85A |
| 6N- 7E-30DCC 1 | ALLUVIUM | - .77 | 01-13-71 | 12.08 | 2.03 | 01-19-72 | 10.05 | .51 |
| 6N- 8E-28CAR 1 | OGALLALA FORMATION | -8.28 | 01-13-71 | 228.39 | 3.01 | 01-19-72 | 225.38 | -11.46 |
| 6N- 8E-29RDC 1 | OGALLALA FORMATION | - .39 | 01-14-71 | 169.59 | - .63 | 01-19-72 | 170.22 | -2.92 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|
| 1S-10F-28RR 1 | OGALLALA FORMATION | -2.23 | 01-12-71 159.96 | -1.88 | 01-19-72 161.84 | -27.54 |
| 1S-11F-3AAA 1 | OGALLALA FORMATION | -1.09 | 01-12-71 121.14 | -3.04 | 01-19-72 124.18 | 3.12 |
| 1S-16F-6AAA 1 | OGALLALA FORMATION | -6.42 | 01-15-71 237.87 | -2.25 | 01-20-72 240.12 | -25.32 |
| 1N-10E-4ACC 1 | OGALLALA FORMATION | -5.25 | 01-13-71 193.36 | -.33 | 01-19-72 193.69 | -16.99 |
| 1N-10E-9C4C 1 | OGALLALA FORMATION | -5.19 | 01-13-71 196.31 | -.79 | 01-19-72 197.10 | -17.20 |
| 1N-10E-12DDC 1 | OGALLALA FORMATION | -2.29 | 01-12-71 152.98 | -1.77 | 01-19-72 154.75 | -10.15 |
| 1N-10E-15HCB 1 | OGALLALA FORMATION | -3.82 | 01-12-71 183.05 | -1.43 | 01-19-72 184.48 | -14.08 |
| 1N-10E-26BCA 1 | OGALLALA FORMATION | ***** | 01-12-71 *****F | ***** | 01-19-72 177.14 | -12.14 |
| 1N-10E-32CHA 1 | OGALLALA FORMATION | -23.68 | 01-12-71 246.67 | -1.26 | 01-19-72 247.93 | -17.03 |
| 1N-10E-33DRR 1 | OGALLALA FORMATION | -30.36 | 01-12-71 227.11 | -1.49 | 01-19-72 228.60 | -24.90 |
| 1N-11E-5CRR 1 | OGALLALA FORMATION | -2.45 | 01-12-71 156.60 | -1.51 | 01-19-72 158.11 | -13.61 |
| 1N-11E-22DDC 1 | OGALLALA FORMATION | .32 | 01-12-71 116.29 | -.36 | 01-19-72 116.65 | 1.05 |
| 1N-11E-26CRR 1 | OGALLALA FORMATION | -.05 | 01-13-71 121.54 | .55 | 01-19-72 120.99 | -1.49 |
| 1N-11E-34DAD 1 | OGALLALA FORMATION | ***** | 01-12-71 *****M | ***** | ***** | ***** |
| 1N-12E-8AAC 1 | OGALLALA FORMATION | -.94 | 01-12-71 33.62 | -2.36 | 01-18-72 35.98 | -5.68 |
| 1N-12E-80CD 1 | OGALLALA FORMATION | -.79 | 01-12-71 82.74 | .10 | 01-18-72 82.64 | -1.84 |
| 1N-12E-11DRB 1 | OGALLALA FORMATION | -5.97 | 01-12-71 239.60 | -3.23 | 01-18-72 242.83 | -19.63 |
| 1N-12F-19CDD 1 | OGALLALA FORMATION | -4.66 | 01-13-71 97.98 | 4.32 | 01-18-72 93.66 | -1.26 |
| 1N-12E-35BDD 1 | OGALLALA FORMATION | -.54 | 01-12-71 192.15 | -.65 | 01-18-72 192.80 | -3.20 |
| 1N-13E-18CB 1 | OGALLALA FORMATION | -6.85 | 01-13-71 159.13 | -4.128 | 01-18-72 163.258 | -17.258 |
| 1N-13E-10HCB 1 | OGALLALA FORMATION | -3.41 | 01-13-71 163.79 | -2.69 | 01-18-72 166.48 | -12.98 |
| 1N-13E-26DRB 1 | OGALLALA FORMATION | -5.68 | 01-13-71 161.37 | .91 | 01-18-72 160.46 | -10.46 |
| 1N-14E-10RDD 1 | OGALLALA FORMATION | -5.62 | 01-13-71 82.86 | 4.61 | 01-18-72 78.25 | 6.25 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|---------|-------------------------------------|
| 1N-14E-31CHR 1 | OGALLALA FORMATION | -8.10 | 01-13-71 | 212.37 | .98 | 01-18-72 | 211.39 | -21.69 |
| 1N-15E- 6HAD 1 | ALLUVIUM | ***** | 01-13-71 | *****M | ***** | | ***** | ***** |
| 1N-15E-19RRH 1 | OGALLALA FORMATION | -1.68 | 01-13-71 | 172.48 | -1.39 | 01-18-72 | 173.87 | -7.17 |
| 1N-15E-19DAA 1 | OGALLALA FORMATION | -.36 | 01-13-71 | 172.87 | -.47 | 01-18-72 | 173.34 | -4.64 |
| 1N-15E-27CCR 1 | OGALLALA FORMATION | .71R | 01-20-71 | 76.54 | -1.62 | 01-20-72 | 78.16 | -3.66 |
| 1N-15E-32CHR 1 | OGALLALA FORMATION | .67 | 01-13-71 | 204.15 | -.92 | 01-18-72 | 205.07 | -2.87 |
| 1N-16E-23ARC 1 | OGALLALA FORMATION | -3.67C | 01-15-71 | 202.87 | -3.38 | 01-20-72 | 206.25 | -17.25 |
| 1N-16E-36DRH 1 | OGALLALA FORMATION | .29 | 01-15-71 | 197.98 | 1.76 | 01-20-72 | 196.22 | ***** |
| 1N-17E- 1CHR 1 | OGALLALA FORMATION | ***** | 01-14-71 | 136.27 | 5.10 | 01-20-72 | 131.17 | -6.07 |
| 1N-17E-10CCC 1 | OGALLALA FORMATION | .60 | 01-14-71 | 144.30 | -.27 | 01-20-72 | 144.57 | .93 |
| 1N-17E-13DDD 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 1N-17E-19CCC 1 | OGALLALA FORMATION | .15 | 01-14-71 | 173.77 | -2.25 | 01-20-72 | 176.02 | -9.42 |
| 1N-17E-25AAA 1 | ALLUVIUM | ***** | 01-15-71 | *****L | ***** | | ***** | ***** |
| 1N-17E-30DRH 1 | OGALLALA FORMATION | ***** | 01-15-71 | 165.63 | .63 | 01-20-72 | 165.00 | ***** |
| 1N-17E-36CRA 1 | OGALLALA FORMATION | ***** | 01-14-71 | 120.63 | 9.24M | 01-20-72 | 111.39M | -1.89M |
| 1N-18E- 30DD 1 | ALLUVIUM | -1.14 | 01-14-71 | 7.55 | .14 | 01-20-72 | 7.41 | -.11 |
| 1N-18E-10ARA 1 | ALLUVIUM | -.96 | 01-14-71 | 14.00 | ***** | 01-20-72 | *****N | ***** |
| 1N-18E-13CDC 1 | ALLUVIUM | -.99 | 01-14-71 | 12.46 | .33 | 01-20-72 | 12.13 | -1.33 |
| 1N-18E-34BRA 1 | OGALLALA FORMATION | -.24 | 01-14-71 | 73.12 | -.06 | 01-20-72 | 73.18 | -2.78 |
| 1N-19E- 2DAD 1 | PERMIAN RED REDS | -.96 | 01-14-71 | 45.66 | -.51 | 01-20-72 | 46.17 | -1.67 |
| 1N-19E- 7ACC 1 | ALLUVIUM | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 1N-19E-14CCC 1 | PERMIAN RED REDS | -1.60 | 01-14-71 | 18.10 | 2.33 | 01-20-72 | 15.77 | 3.93 |
| 1N-19E-20BRA 1 | PERMIAN RED REDS | ***** | 01-14-71 | 41.15 | 4.06 | 01-20-72 | 37.09 | -4.29 |

TEXAS COUNTY

| WFL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|-----------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 1N-19F-25RCC 1 | OGALLALA FORMATION | .12 | 01-14-71 | 5.36 | 0.00 | 01-20-72 | 5.36 | .04 |
| 1N-19F-27DCC 1 | OGALLALA FORMATION | 1.06 | 01-14-71 | 94.43 | ***** | 01-20-72 | *****A | ***** |
| 1N-19F-30DDD 1 | OGALLALA FORMATION | -.46 | 01-14-71 | 37.68 | -2.64 | 01-20-72 | 40.32 | -2.72 |
| 1N-19F-33AHA 1 | OGALLALA FORMATION | .53 | 01-14-71 | 114.40 | -.36 | 01-20-72 | 114.76 | -.26 |
| 2N-10F-20HRD 1 | OGALLALA FORMATION | -3.01 | 01-12-71 | 212.06 | 2.61 | 01-19-72 | 209.45 | ***** |
| 2N-10F-28BCH 1 | OGALLALA FORMATION | -4.48 | 01-12-71 | 177.36 | 2.11 | 01-19-72 | 175.25 | -4.95 |
| 2N-10F-33AAA 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****M | ***** | | ***** | ***** |
| 2N-11F-34CCB 1 | OGALLALA FORMATION | -3.75 | 01-12-71 | 159.65 | -.71 | 01-19-72 | 160.36 | -12.66 |
| 2N-12F-15AAA 1 | ALLUVIUM | .15 | 01-12-71 | 10.80 | ***** | 01-19-72 | *****K | ***** |
| 2N-12F-25DRH 1 | OGALLALA FORMATION | -5.09 | 01-20-71 | 245.97 | -1.17 | 01-18-72 | 247.14 | -26.34 |
| 2N-12F-33BAH 1 | ALLUVIUM | -.77 | 01-12-71 | 19.99 | -.01 | 01-18-72 | 20.00 | -1.80 |
| 2N-13F-13CAA 1 | OGALLALA FORMATION | -3.88 | 01-12-71 | 170.20 | -2.05 | 01-18-72 | 172.25 | -16.75 |
| 2N-13F-14RRB 1 | OGALLALA FORMATION | -6.90 | 01-12-71 | 217.32 | 2.39 | 01-18-72 | 214.93 | -15.93 |
| 2N-13F-32CCC 1 | OGALLALA FORMATION | -3.63 | 01-12-71 | 193.50 | -3.63 | 01-18-72 | 197.13 | -18.73 |
| 2N-14F-11CRA 1 | OGALLALA FORMATION | -8.96 | 01-13-71 | 143.29 | 2.96 | 01-18-72 | 140.33 | -7.23 |
| 2N-14F-23CRP 2 | OGALLALA FORMATION | -4.91 | 01-13-71 | 143.29 | -2.82 | 01-18-72 | 146.11 | ***** |
| 2N-14F-29BAH 1 | OGALLALA FORMATION | ***** | 01-20-71 | *****M | ***** | | ***** | ***** |
| 2N-15F- 98CR 1 | OGALLALA FORMATION | -6.78 | 01-13-71 | 238.00 | -10.89 | 01-18-72 | 248.89 | -41.49 |
| 2N-15F-15RAA 1 | OGALLALA FORMATION | -8.58 | 01-15-71 | 216.87 | -5.10 | 01-20-72 | 221.97 | ***** |
| 2N-16F- 4DRA 1 | OGALLALA FORMATION | -12.41 | 01-15-71 | 193.42 | -6.53 | 01-26-72 | 199.95 | -42.05 |
| 2N-16F- 7HRB 1 | OGALLALA FORMATION | -7.76 | 01-15-71 | 239.41 | -8.38 | 01-26-72 | 247.79 | -42.89 |
| 2N-16F- RAAA 1 | OGALLALA FORMATION | -8.08 | 01-14-71 | 192.21 | ***** | 01-26-72 | *****A | ***** |
| 2N-16F-14CRB 1 | OGALLALA FORMATION | -5.27 | 01-21-71 | 183.40 | -3.44 | 01-26-72 | 186.84 | -21.44 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|---------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 2N-17E- 7CCC 1 | OGALLALA FORMATION | -3.26 | 01-15-71 | 183.14 | -2.48 | 01-26-72 | 185.62 | -14.62 |
| 2N-17E-11ADD 1 | ALLUVIUM | ***** | 01-15-71 | 12.18 | 1.13 | 01-20-72 | 11.05 | .15 |
| 2N-17E-14AHH 1 | ALLUVIUM | -.70 | 01-14-71 | 13.15 | .40 | 01-20-72 | 12.75 | -1.55 |
| 2N-17E-15APR 1 | ALLUVIUM | -.40 | 01-15-71 | 7.76 | .10 | 01-20-72 | 7.66 | -1.33 |
| 2N-17E-35HRR 1 | OGALLALA FORMATION | -1.42 | 01-14-71 | 170.84 | -1.94 | 01-20-72 | 172.78 | -5.58 |
| 2N-18E- 3RHA 1 | ALLUVIUM | -.22 | 01-14-71 | 2.53 | -.67A | 01-20-72 | 3.20A | ***** |
| 2N-18E- 5CCC 1 | OGALLALA FORMATION | .03 | 01-14-71 | 96.11 | .83 | 01-20-72 | 95.28 | ***** |
| 2N-18E-11DRH 1 | OGALLALA FORMATION | -3.02 | 01-14-71 | 67.17 | -4.82 | 01-20-72 | 71.99 | -15.39 |
| 2N-18E-14DCD 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****K | ***** | 01-20-72 | 145.98 | -19.08 |
| 2N-18E-18DDD 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 2N-18E-24BCC 1 | OGALLALA FORMATION | -3.69 | 01-20-71 | 137.74 | -1.16 | 01-20-72 | 138.90 | ***** |
| 2N-18E-27BCC 1 | OGALLALA FORMATION | -7.02 | 01-14-70 | 140.57 | ***** | 01-20-72 | *****K | ***** |
| 2N-18E-30CRH 1 | OGALLALA FORMATION | 10.79 | 01-14-71 | 172.64 | 4.26 | 01-20-72 | 168.38 | -10.48 |
| 2N-18E-34CHR 1 | OGALLALA FORMATION | -3.71R | 01-14-71 | 113.19B | 3.13R | 01-20-72 | 110.06 | 1.64 |
| 2N-18E-35DCD 1 | PERMIAN RED BEDS | -3.35 | 01-14-71 | 81.22 | -.27 | 01-20-72 | 81.49 | ***** |
| 2N-19E- 7CAA 1 | OGALLALA FORMATION | -.27A | 01-20-71 | 56.05A | .32A | 01-20-72 | 55.73 | 1.97 |
| 2N-19E-23AHH 1 | PERMIAN RED BEDS | -2.38 | 01-14-71 | 33.24 | 1.60 | 01-20-72 | 31.64 | 1.21 |
| 2N-19E-25BCD 1 | PERMIAN RED BEDS | -1.55 | 01-14-71 | 41.04 | -.97 | 01-20-72 | 42.01 | 3.39 |
| 3N-10E-11BHR 2 | OGALLALA FORMATION | -.50 | 01-12-71 | 119.41 | -.28 | 01-19-72 | 119.69 | 5.31A |
| 3N-10E-19CNC 1 | OGALLALA FORMATION | 2.41 | 01-12-71 | 227.26 | 1.91 | 01-19-72 | 225.37 | -21.47 |
| 3N-10E-24BRH 1 | OGALLALA FORMATION | -2.11 | 01-12-71 | 178.36 | -.93 | 01-19-72 | 179.29 | -5.39 |
| 3N-11E-18CRC 1 | OGALLALA FORMATION | -4.63 | 01-12-71 | 153.24 | 1.16 | 01-19-72 | 152.08 | 8.02 |
| 3N-11E-19CHR 1 | OGALLALA FORMATION | ***** | 01-12-71 | *****K | ***** | 01-19-72 | *****K | ***** |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 3N-13F- 2CDD 1 | OGALLALA FORMATION | -.14 | 01-25-71 | 62.29 | -.10 | 01-19-72 | 62.39 | .61 |
| 3N-15F-26CPR 1 | OGALLALA FORMATION | -5.39 | 01-15-71 | 195.50 | -2.38 | 01-20-72 | 197.88 | -19.78 |
| 3N-15E-31DDC 2 | OGALLALA FORMATION | ***** | 01-15-71 | *****M | ***** | | ***** | ***** |
| 3N-16F- 3RHC 1 | OGALLALA FORMATION | -.47 | 01-14-71 | 83.02 | -.14 | 01-20-72 | 83.16 | -.06 |
| 3N-16F-10CCC 1 | ALLUVIUM | .52 | 01-14-71 | 17.99 | ***** | 01-20-72 | *****K | ***** |
| 3N-16E-16ARR 1 | ALLUVIUM | -.26 | 01-18-71 | 14.84 | -1.02 | 01-20-72 | 15.86 | -1.66 |
| 3N-16F-23AAH 1 | OGALLALA FORMATION | -.06 | 01-15-71 | 113.42 | -.40 | 01-26-72 | 113.82 | .48 |
| 3N-16E-2RAAD 1 | OGALLALA FORMATION | 1.73 | 01-15-71 | 123.06 | .61 | 01-26-72 | 122.45 | 1.55 |
| 3N-17E- 6RAR 1 | OGALLALA FORMATION | -.47 | 01-14-71 | 88.39 | -.48 | 01-20-72 | 88.87 | -2.47 |
| 3N-17E-13CHR 1 | OGALLALA FORMATION | 1.74 | 01-14-71 | 83.02 | -1.68 | 01-20-72 | 84.70 | -2.60 |
| 3N-17E-35HRA 1 | ALLUVIUM | .55 | 01-15-71 | 5.93 | .05 | 01-20-72 | 5.88 | -.38 |
| 3N-17E-36CAC 1 | OGALLALA FORMATION | -.32 | 01-15-71 | 92.44 | .08 | 01-20-72 | 92.36 | .44 |
| 3N-18E- 7ARR 1 | OGALLALA FORMATION | -2.53 | 01-21-71 | 122.46 | -2.61 | 01-20-72 | 125.07 | -11.37 |
| 3N-18E-11AAB 1 | OGALLALA FORMATION | .13 | 01-14-71 | 85.09 | -.26 | 01-20-72 | 85.35 | -.35 |
| 3N-18E-20ARR 1 | OGALLALA FORMATION | -.41 | 01-21-71 | 70.21 | -.22 | 01-20-72 | 70.43 | -1.93 |
| 3N-18F-33BDD 1 | OGALLALA FORMATION | -3.29 | 01-21-71 | 57.89 | -.17 | 01-20-72 | 58.06 | ***** |
| 3N-19E- 2BRC 1 | OGALLALA FORMATION | ***** | 01-21-71 | 98.93 | -.25 | 01-20-72 | 99.18 | ***** |
| 3N-19E-26CCD 1 | OGALLALA FORMATION | -1.99R | 01-21-71 | 104.02 | ***** | 01-20-72 | *****A | ***** |
| 4N-10E-18CCR 1 | DOCKUM GROUP | -4.30 | 01-12-71 | 211.53 | 3.19 | 01-20-72 | 208.34 | -24.24 |
| 4N-10E-31ARB 1 | DOCKUM GROUP | ***** | 01-12-71 | 224.20 | -2.69 | 01-20-72 | 226.89 | -23.89 |
| 4N-11F- 4DRD 1 | DOCKUM GROUP | ***** | 01-12-71 | *****K | ***** | 01-20-72 | 167.22 | -4.32 |
| 4N-11E-10ARR 1 | DOCKUM GROUP | -3.81 | 01-12-71 | 157.89 | 2.82 | 01-20-72 | 155.07 | -4.97 |
| 4N-12E- 3DDD 1 | OGALLALA FORMATION | .56 | 01-12-71 | 134.34 | -.15 | 01-20-72 | 134.49 | .51 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|
| 4N-12E-240AD 1 | OGALLALA FORMATION | .19 | 01-12-71 148.51 | .22 | 01-20-72 148.29 | ***** |
| 4N-13E-27ACD 1 | OGALLALA FORMATION | ***** | 01-12-71 115.20 | -.13 | 01-26-72 115.33 | ***** |
| 4N-14E-30RH 1 | OGALLALA FORMATION | -3.02 | 01-12-71 193.81 | -4.01 | 01-20-72 197.82 | -17.42 |
| 4N-14E-58RC 1 | OGALLALA FORMATION | ***** | 01-13-71 ***** | ***** | 01-20-72 160.85 | -.95 |
| 4N-14E-14ADD 1 | OGALLALA FORMATION | .42 | 01-18-71 185.59 | .62 | 01-26-72 184.97 | .13 |
| 4N-15E-9ADD 1 | OGALLALA FORMATION | -3.00 | 01-12-71 162.83 | -3.11 | 01-20-72 165.94 | -13.04 |
| 4N-15E-11BPA 1 | OGALLALA FORMATION | -3.51 | 01-13-71 152.01 | -2.36 | 01-18-72 154.37 | -12.22 |
| 4N-15E-13DCH 1 | OGALLALA FORMATION | ***** | 01-13-71 *****M | ***** | ***** | ***** |
| 4N-15E-14ACC 1 | OGALLALA FORMATION | ***** | 01-13-71 *****M | ***** | ***** | ***** |
| 4N-15E-15CAM 1 | OGALLALA FORMATION | -4.32 | 01-12-71 172.32 | .92 | 01-20-72 171.40 | -25.30 |
| 4N-15E-17ARH 1 | OGALLALA FORMATION | -4.60 | 01-12-71 189.22 | -3.20 | 01-20-72 192.42 | -15.92 |
| 4N-15E-19BCC 1 | OGALLALA FORMATION | ***** | 01-18-71 *****M | ***** | ***** | ***** |
| 4N-15E-25DRH 1 | OGALLALA FORMATION | -2.29 | 01-13-71 143.34 | -.09 | 01-18-72 143.43 | -1.53 |
| 4N-15E-28ACC 1 | OGALLALA FORMATION | -10.01 | 01-12-71 166.85 | 5.44 | 01-20-72 161.41 | -10.21 |
| 4N-16E-50CH 1 | OGALLALA FORMATION | -3.41 | 01-13-71 126.58 | -2.52 | 01-18-72 129.10 | -15.15 |
| 4N-16E-17HAD 1 | OGALLALA FORMATION | -1.59 | 01-13-71 104.15 | -2.94 | 01-18-72 107.09 | -.69 |
| 4N-16E-22DCH 1 | OGALLALA FORMATION | .23 | 01-13-71 110.76 | -3.21 | 01-18-72 113.97 | -13.77 |
| 4N-16E-29RHH 1 | OGALLALA FORMATION | .65 | 01-17-71 128.99 | -4.84 | 01-18-72 133.83 | -19.93 |
| 4N-17E-30HC 1 | OGALLALA FORMATION | -2.80 | 01-14-71 121.28 | -1.28 | 01-18-72 122.56 | -9.26 |
| 4N-17E-14CCD 1 | OGALLALA FORMATION | -9.73 | 01-14-71 138.29 | .19 | 01-20-72 138.10 | -20.00 |
| 4N-17E-21AAA 1 | OGALLALA FORMATION | 10.47 | 01-14-71 126.20 | -28.72 | 01-20-72 154.92 | -30.62 |
| 4N-17E-23AAA 1 | OGALLALA FORMATION | -6.87 | 01-14-71 126.87 | -1.49 | 01-20-72 128.36 | -19.86 |
| 4N-17E-33ADD 1 | OGALLALA FORMATION | -4.32 | 01-14-71 136.90 | -1.27 | 01-20-72 138.17 | -16.37 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|---------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 4N-17E-34BRH 1 | OGALLALA FORMATION | -.07A | 01-21-71 | 12A.17A | -.15A | 01-20-72 | 12A.32 | ***** |
| 4N-18E-13CCD 1 | OGALLALA FORMATION | 1.45 | 01-14-71 | 116.98 | 5.58 | 01-20-72 | 111.40 | 2.50 |
| 4N-18E-25CRH 1 | OGALLALA FORMATION | -3.12 | 01-14-71 | 102.90 | -1.96 | 01-20-72 | 104.86 | -10.66 |
| 4N-18E-26RCA 1 | OGALLALA FORMATION | -1.86 | 01-14-71 | 102.93 | -1.75 | 01-20-72 | 104.68 | .60 |
| 4N-19E-22CRC 1 | OGALLALA FORMATION | -.49 | 01-14-71 | 97.57 | -6.8A | 01-20-72 | 104.45 | ***** |
| 4N-19E-27ADC 1 | OGALLALA FORMATION | -2.18 | 01-06-71 | 94.70 | -.80 | 01-20-72 | 95.50 | ***** |
| 4N-19E-27ADD 1 | OGALLALA FORMATION | -4.03 | 01-06-71 | 94.10 | .35 | 01-20-72 | 93.75 | ***** |
| 5N-10E- 7RCC 1 | OGALLALA FORMATION | -.53 | 01-14-71 | 224.51 | 2.38 | 01-20-72 | 222.13 | .47 |
| 5N-11E-16RCB 1 | OGALLALA FORMATION | ***** | 01-14-71 | 216.49 | .81 | 01-20-72 | 215.68 | -14.13 |
| 5N-12E- 6RAA 1 | OGALLALA FORMATION | -6.23 | 01-14-71 | 217.73 | 3.49 | 01-20-72 | 214.24 | ***** |
| 5N-12E-10RRC 1 | OGALLALA FORMATION | .51 | 01-14-71 | 182.33 | -3.99 | 01-20-72 | 186.32 | 5.78 |
| 5N-12E-16RRH 1 | OGALLALA FORMATION | -4.89 | 01-14-71 | 215.58 | -3.18 | 01-20-72 | 21A.76 | -17.46 |
| 5N-13E- 1CHA 1 | OGALLALA FORMATION | -8.24 | 01-13-71 | 248.03 | -3.22 | 01-20-72 | 251.25 | -31.35 |
| 5N-13E- 4CRH 1 | OGALLALA FORMATION | -4.56 | 01-13-71 | 248.96 | -4.57 | 01-20-72 | 253.53 | -26.13 |
| 5N-13E- 8RHH 1 | OGALLALA FORMATION | -4.41 | 01-13-71 | 230.05 | -3.27 | 01-20-72 | 233.32 | -20.72 |
| 5N-13E-14DRH 1 | OGALLALA FORMATION | -6.24 | 01-13-71 | 225.26 | -4.10 | 01-20-72 | 229.36 | -25.66 |
| 5N-14E- 1ARR 1 | OGALLALA FORMATION | -6.05 | 01-13-71 | 221.69 | -3.81 | 01-20-72 | 225.50 | -23.10 |
| 5N-14E-10CRH 1 | OGALLALA FORMATION | -6.80 | 01-13-71 | 223.06 | -1.99 | 01-20-72 | 225.05 | -23.85 |
| 5N-14E-31ACC 1 | OGALLALA FORMATION | -2.81 | 01-13-71 | 183.05 | -2.15 | 01-20-72 | 185.20 | -12.40 |
| 5N-14E-34DRH 1 | OGALLALA FORMATION | -4.91 | 01-13-71 | 204.10 | -.18 | 01-20-72 | 204.28 | -10.93 |
| 5N-15E- 8CDD 1 | OGALLALA FORMATION | ***** | 01-13-71 | ***** | ***** | 01-20-72 | 182.80 | -41.80 |
| 5N-15E-11CAB 1 | OGALLALA FORMATION | -3.78 | 01-13-71 | 177.62 | -4.45 | 01-18-72 | 182.07 | -16.37 |
| 5N-15E-14CRA 1 | OGALLALA FORMATION | -3.64 | 01-13-71 | 159.76 | -3.89 | 01-18-72 | 163.65 | -16.65 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 5N-15E-20DAR 1 | OGALLALA FORMATION | -3.47 | 01-13-71 | 150.61 | -7.45 | 02-23-72 | 158.06 | -19.86 |
| 5N-16E- 2DDA 1 | OGALLALA FORMATION | -.08 | 01-14-71 | 132.63 | 1.73 | 01-19-72 | 130.90 | 4.80 |
| 5N-16E- 5AAA 1 | OGALLALA FORMATION | -2.43 | 01-14-71 | 136.02 | -2.07 | 01-19-72 | 138.09 | -9.89 |
| 5N-16E-18DDC 2 | OGALLALA FORMATION | -4.24 | 01-13-71 | 139.70 | ***** | 01-18-72 | *****K | ***** |
| 5N-16E-31CAA 1 | OGALLALA FORMATION | 5.21 | 01-13-71 | 147.63 | -2.77 | 01-18-72 | 150.40 | -19.60 |
| 5N-17E- 1ADA 1 | OGALLALA FORMATION | .38 | 01-14-71 | 81.58 | -2.23 | 01-26-72 | 83.81 | -.51 |
| 5N-17E- 5ADD 1 | OGALLALA FORMATION | 1.72 | 01-14-71 | 106.81 | -1.94 | 01-19-72 | 108.75 | ***** |
| 5N-17E- 9DDA 1 | OGALLALA FORMATION | -1.41 | 01-14-71 | 111.44 | -5.66 | 01-19-72 | 117.10 | -4.70 |
| 5N-17E-11DDC 1 | OGALLALA FORMATION | -.18 | 01-14-71 | 105.90 | -.54 | 01-20-72 | 106.44 | 2.76 |
| 5N-17E-17CRA 1 | OGALLALA FORMATION | ***** | 01-14-71 | 136.10 | 6.98 | 01-19-72 | 129.12 | -1.12 |
| 5N-17E-27ARC 1 | OGALLALA FORMATION | -1.49 | 01-14-71 | 118.80 | .64 | 01-20-72 | 118.16 | -5.31 |
| 5N-17E-36AAA 1 | OGALLALA FORMATION | -2.34 | 01-14-71 | 96.37 | -1.98 | 01-18-72 | 98.35 | 1.05 |
| 5N-18E- 2DRH 1 | OGALLALA FORMATION | -13.65 | 01-14-71 | 91.73 | -9.97 | 01-18-72 | 101.70 | -48.70 |
| 5N-18E-19ABA 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 5N-19E- 4DRA 1 | OGALLALA FORMATION | 2.10 | 01-14-71 | 105.00 | 14.48 | 01-20-72 | 90.52 | -4.32 |
| 5N-19E-14HHA 1 | OGALLALA FORMATION | -1.31 | 01-14-71 | 97.42 | .08 | 01-20-72 | 97.34 | -8.74 |
| 5N-19E-28CCC 1 | OGALLALA FORMATION | .79 | 01-14-71 | 85.57 | ***** | 01-20-72 | *****K | ***** |
| 5N-19E-29DAA 1 | OGALLALA FORMATION | ***** | 01-26-71 | 89.81 | 4.57 | 01-20-72 | 85.24 | ***** |
| 5N-19E-30CAA 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 6N-10E-18RRH 1 | OGALLALA FORMATION | ***** | 01-14-71 | 192.20 | -1.16 | 01-20-72 | 193.36 | ***** |
| 6N-10E-23ADA 1 | OGALLALA FORMATION | -3.55 | 01-14-71 | 240.45 | .47 | 01-20-72 | 239.98 | -16.88 |
| 6N-10E-30CCC 1 | OGALLALA FORMATION | -.24 | 01-14-71 | 223.56 | .80 | 01-20-72 | 222.76 | -.46 |
| 6N-10E-36DRH 1 | OGALLALA FORMATION | -6.19 | 01-14-71 | 281.17 | 2.41 | 01-20-72 | 278.76 | -18.66 |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 DATE | DEPTH | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 DATE | DEPTH | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|-----------------------------|--------|-------------------------------------|-----------------------------|--------|-------------------------------------|
| 6N-11E-17CRC 1 | OGALLALA FORMATION | -7.06 | 01-14-71 | 268.35 | 3.80 | 01-20-72 | 264.55 | -42.15 |
| 6N-11E-25BCC 1 | OGALLALA FORMATION | -3.65 | 01-14-71 | 248.49 | -9.99 | 01-26-72 | 258.48 | -49.48 |
| 6N-11E-26RCH 1 | OGALLALA FORMATION | -9.98 | 01-14-71 | 248.87 | 4.99 | 01-20-72 | 243.88 | -33.48 |
| 6N-12E-21CCC 1 | OGALLALA FORMATION | ***** | 01-14-71 | 238.02 | -2.97 | 01-20-72 | 240.99 | -23.99 |
| 6N-12E-36CCC 1 | OGALLALA FORMATION | -8.72 | 01-13-71 | 228.22 | 1.94 | 01-20-72 | 226.28 | -21.58 |
| 6N-13E-14BRA 1 | OGALLALA FORMATION | ***** | 01-13-71 | 230.58 | ***** | 01-20-72 | *****N | ***** |
| 6N-13E-16ACC 1 | OGALLALA FORMATION | -8.51 | 01-13-71 | 258.78 | 1.98 | 01-20-72 | 256.80 | -21.70 |
| 6N-13E-20DDA 1 | OGALLALA FORMATION | -12.50 | 01-13-71 | 272.70 | -6.54 | 01-20-72 | 279.24 | -41.24 |
| 6N-13E-30CRH 1 | OGALLALA FORMATION | -9.70 | 01-13-71 | 254.80 | -5.10 | 01-20-72 | 259.90 | -38.40 |
| 6N-13E-35RCD 1 | OGALLALA FORMATION | ***** | 01-13-71 | 221.06 | .20 | 01-20-72 | 220.86 | -23.86 |
| 6N-14E-21ACB 1 | OGALLALA FORMATION | -9.62 | 01-13-71 | 229.74 | 2.00 | 01-20-72 | 227.74 | -14.04 |
| 6N-14E-33DAB 1 | OGALLALA FORMATION | -17.33 | 01-13-71 | 254.85 | 7.49 | 01-20-72 | 247.36 | -21.36 |
| 6N-14E-35CRH 1 | OGALLALA FORMATION | ***** | 01-13-71 | 235.32 | 9.20 | 01-20-72 | 226.12 | -33.32 |
| 6N-15E-14BAA 1 | OGALLALA FORMATION | -.86 | 01-13-71 | 122.15 | -1.46 | 01-19-72 | 123.61 | -3.61 |
| 6N-15E-20BAA 1 | OGALLALA FORMATION | ***** | 01-13-71 | *****K | ***** | 01-20-72 | *****K | ***** |
| 6N-15E-24DDD 1 | OGALLALA FORMATION | ***** | 01-13-71 | *****F | ***** | 01-26-72 | 139.08 | -9.63 |
| 6N-15E-27CDD 1 | OGALLALA FORMATION | ***** | 01-13-71 | *****H | ***** | | ***** | ***** |
| 6N-15E-29BRB 2 | OGALLALA FORMATION | ***** | 01-13-71 | 78.67 | -2.78 | 01-20-72 | 81.45 | ***** |
| 6N-15E-30ACB 1 | OGALLALA FORMATION | -3.19 | 01-13-71 | 186.85 | -3.33 | 01-20-72 | 190.18 | -17.05 |
| 6N-16E-15DDD 1 | OGALLALA FORMATION | .35 | 01-14-71 | 94.58 | -.12 | 01-19-72 | 94.70 | .94 |
| 6N-16E-19DAA 1 | OGALLALA FORMATION | -7.28 | 01-18-71 | 139.61 | ***** | 01-19-72 | *****K | ***** |
| 6N-16E-20BAA 1 | OGALLALA FORMATION | -9.85 | 01-14-71 | 137.63 | 7.65 | 01-19-72 | 129.98 | -3.28 |
| 6N-16E-22ARA 1 | OGALLALA FORMATION | ***** | 01-18-71 | *****H | ***** | | ***** | ***** |

TEXAS COUNTY

| WELL LOCATION | PRINCIPAL AQUIFER | WATER LEVEL CHANGE 1970-71 | WATER LEVEL 1971 | | WATER LEVEL CHANGE 1971-72 | WATER LEVEL 1972 | | WATER LEVEL CHANGE 1966-72 |
|------------------|----------------------|-------------------------------------|---------------------|--------|-------------------------------------|---------------------|--------|-------------------------------------|
| | | | DATE | DEPTH | | DATE | DEPTH | |
| 6N-16E-27ACC 1 | OGALLALA FORMATION | ***** | 01-14-71 | 94.29 | 1.02 | 01-20-72 | 93.27 | ***** |
| 6N-16E-34CAC 1 | OGALLALA FORMATION | 3.26 | 01-14-71 | 108.99 | -1.29 | 01-19-72 | 110.28 | ***** |
| 6N-16E-35HCC 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 6N-17E-14DHR 1 | OGALLALA FORMATION | -10.37 | 01-14-71 | 132.65 | -.15 | 01-19-72 | 132.80 | -9.70 |
| 6N-17E-23CPC 1 | OGALLALA FORMATION | .64 | 01-14-71 | 105.14 | .11 | 01-26-72 | 105.03 | 2.37 |
| 6N-17E-28CCD 1 | OGALLALA FORMATION | .64 | 01-14-71 | 107.36 | -2.18 | 01-19-72 | 109.54 | -.87 |
| 6N-17E-34DDD 1 | OGALLALA FORMATION | .95 | 01-14-71 | 92.95 | .99 | 01-19-72 | 91.96 | 2.74 |
| 6N-18E- 9DAC 1 | OGALLALA FORMATION | -2.10 | 01-14-71 | 89.21 | -5.93 | 01-19-72 | 95.14 | -9.54 |
| 6N-18E-28CCD 1 | OGALLALA FORMATION | -1.01 | 01-14-71 | 74.64 | -.86 | 01-20-72 | 75.50 | -1.00 |
| 6N-18E-29CCD 1 | OGALLALA FORMATION | 1.80 | 01-14-71 | 102.11 | .01 | 01-20-72 | 102.10 | -.40 |
| 6N-18E-30ADD 1 | OGALLALA FORMATION | -1.16 | 01-14-71 | 88.89 | -2.09 | 01-20-72 | 90.98 | -6.08 |
| 6N-19E-15CCC 1 | OGALLALA FORMATION | -.32 | 01-14-71 | 87.30 | -.30 | 01-20-72 | 87.60 | -2.70 |
| 6N-19E-22DAA 1 | OGALLALA FORMATION | ***** | 01-14-71 | *****M | ***** | | ***** | ***** |
| 6N-19E-34DDC 1 | OGALLALA FORMATION | .25 | 01-21-71 | 86.78 | -3.60 | 01-20-72 | 90.38 | -5.78 |

FOOTNOTES FOR WATER-LEVEL MEASUREMENTS

A = WELL BEING PUMPED
R = WELL PUMPED RECENTLY
C = NEARBY WELL BEING PUMPED
D = NEARBY WELL PUMPED RECENTLY
F = ESTIMATED
F = DRY
K = CANNOT GET MEASURING TAPE DOWN THE WELL TO THE
WATER TABLE
L = WELL DESTROYED
M = MEASUREMENT DISCONTINUED
N = NOT MEASURED THIS YEAR

ADDITIONAL WATER-LEVEL MEASUREMENTS WERE MADE IN
YEARS BETWEEN 1938 AND PRESENT, AND ARE AVAILABLE
AT U.S. GEOLOGICAL SURVEY OFFICES IN BOTH OKLAHOMA
CITY AND GUYMON, OKLAHOMA.