

SELECTED WATER-LEVEL RECORDS FOR OKLAHOMA, 1976-78

U. S. GEOLOGICAL SURVEY
Open-File Report 79-1580

Prepared in cooperation with the
OKLAHOMA WATER RESOURCES BOARD



UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

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FOR OKLAHOMA, 1976-78

By Robert L. Goemaat and Dannie E. Spiser

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Oklahoma City, Oklahoma
November, 1979

UNITED STATES DEPARTMENT OF THE INTERIOR
CECIL D. ANRUS, Secretary

GEOLOGICAL SURVEY
H. W. Menard, Director

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INTRODUCTION

A systematic program to collect water-level records in Oklahoma began in 1937. The objectives of this program are (1) to provide long-term records of water-level fluctuations in representative wells, (2) to facilitate the prediction of water-level trends and indicate future availability of ground-water supplies, and (3) to provide information for use in basic research.

Water-level data in table 1 are from wells that are measured annually, prior to the irrigation season, to achieve the most natural representation of the static water level. Water-level measurements listed in the column under 1976 may have been made during December 1975 or January, February, March, April, or May, 1976. Measurements listed in the column 1977 may have been made during December 1976 or January, February, March, or April 1977. Figure 1 shows the counties and number of wells therein, where data were obtained for this report.

Records of water levels in Oklahoma are collected through a cooperative program by the U.S. Geological Survey and the Oklahoma Water Resources Board. The records are tabulated and published by the U.S. Geological Survey on an annual basis.

The stratigraphic nomenclature and age determinations used in this report are those accepted by the Oklahoma Geological Survey and do not necessarily agree with those of the U.S. Geological Survey except for the Cheyenne Sandstone which is considered to be Purgatoire Sandstone by the Oklahoma Geological Survey (Robert O. Fay, Personal Communication, August 9, 1979).

^{1/} U.S. Geological Survey

^{2/} Oklahoma Water Resources Board

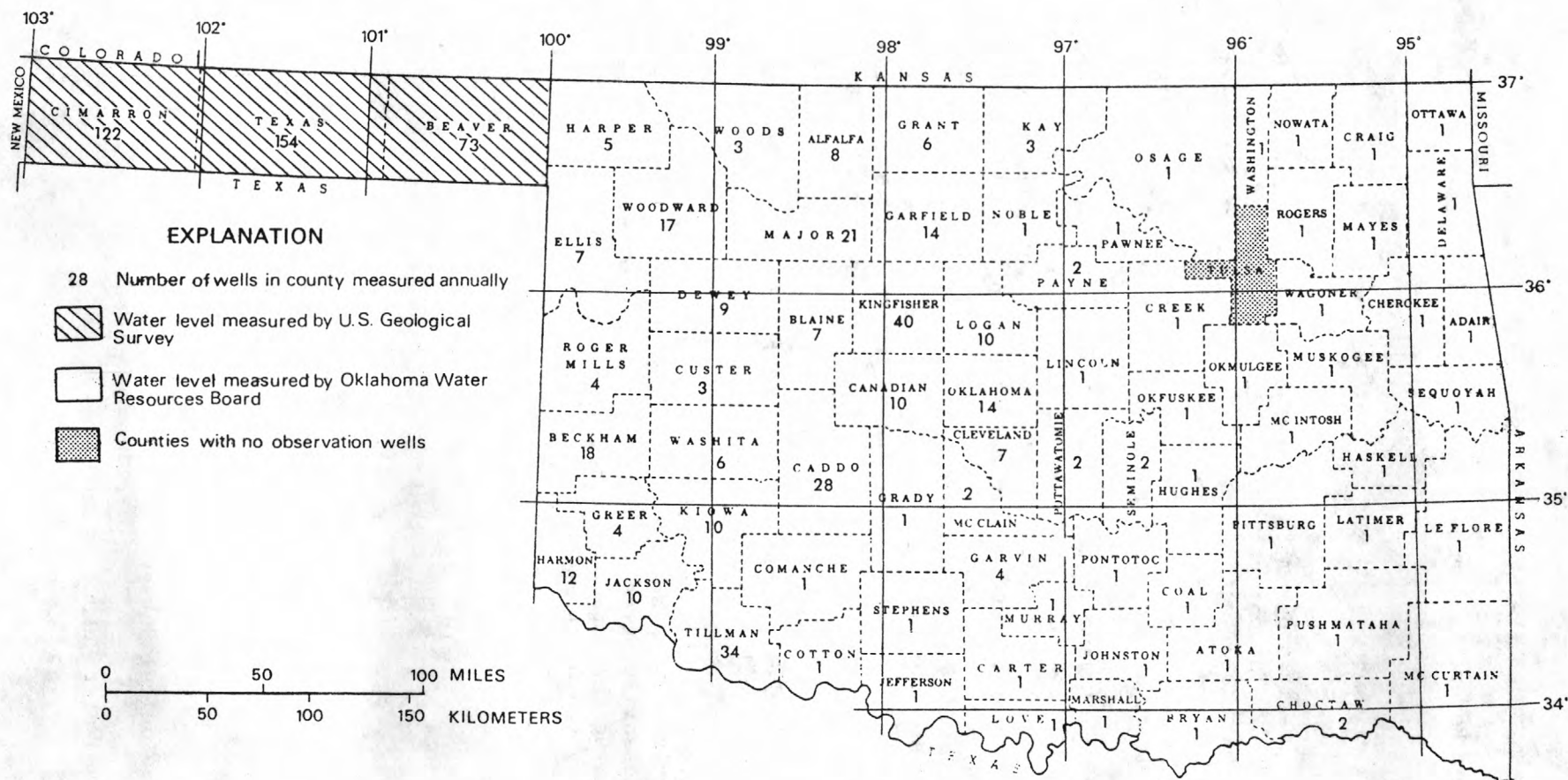


Figure 1.--Counties with observation wells measured annually, 1976-78, and the number of wells in each.

PUBLICATIONS

Publication of ground-water-level data for the United States in Water-Supply Papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single Water-Supply Paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate Water-Supply Papers were issued for 6 sections of the United States. Water-level data for Oklahoma are in the Water-Supply Papers listed below, each report containing one or more calendar years (January-December) of data.

Calendar Year	Water-Supply Paper	Calendar Year	Water-Supply Paper
1935	777	1945	1099
1936	817	1948	1129
1937	840	1949	1159
1938	845	1950	1168
1939	886	1951	1194
1940	909	1952	1244
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
		1970-74	2172

In addition to the Water-Supply Papers listed above, the U.S. Geological Survey, in cooperation with the Oklahoma Water Resources Board, has published the following open-file 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.

Ground-water levels in observation wells in Oklahoma, 1969-70.

Ground-water levels in observation wells in Oklahoma, 1971-74.

Ground-water levels in observation wells in Oklahoma, 1975.

Water Resources Data for Oklahoma Water Year 1976, OK-76-1.

Water Resources Data for Oklahoma Water Year 1976, OK-76-2.

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

Records of water-level measurements in wells in the Oklahoma Panhandle, 1971-72.

Selected water-level records for western Oklahoma, 1950-75.

Selected water-level records for western Oklahoma, 1975-76.

Selected water-level records for Oklahoma, 1975-77.

CONVERSION FACTORS

Inch-Pound units used in the report may be converted to metric units by the following conversion factors:

<u>Multiply Inch-Pound Units</u>	<u>by</u>	<u>To obtain Metric Units</u>
acre (acre)	0.004047	km ² (square kilometer)
ft (foot)	.3048	m (meter)

WELL-NUMBERING SYSTEM

The standard method of giving location by fractional section, section, township, and range is replaced by the method illustrated in the diagram below. The location of the well indicated by the dot normally would be described as SE 1/4 NE 1/4 NE 1/4 sec.36, T.018 N., R.025 E. The method used in this report reverses the order and indicates quarter subdivisions of the section by letters. By this method the location of the well is given as 018N-025E-36AAD 1. The final digit (1) is the sequential number of a well within the smallest fractional subdivision. For some wells the location is known only to the quarter section (160-acre tract) or quarter-quarter section (40-acre tract) and is so indicated by the well number.

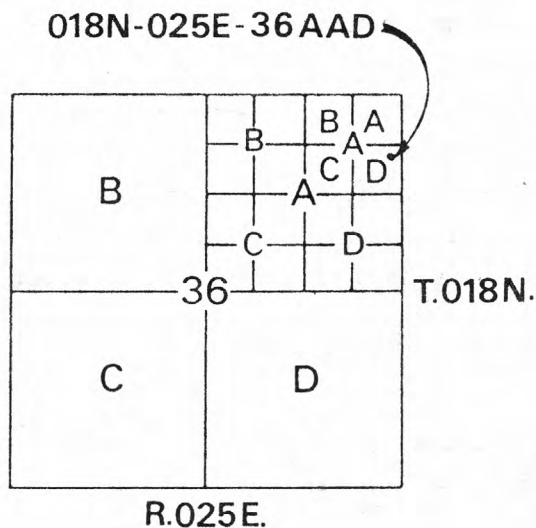


Table 1.--Water levels and water-level changes

[Symbols in the depth columns indicate the following:

A, well being pumped when visited for measurement; B, well pumped recently, prior to visit; C, nearby well pumping when observation well was measured; F, observation well dry when measured; K, unable to get measuring device to the water level; L, observation well has been destroyed; M, measurements of observation well have been discontinued; *****, observation well not visited. Negative or minus symbols in the water-level change column indicates water-level has declined]

ADAIR COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	DATE	WATER LEVEL 1977	WATER LEVEL CHANGE 1977-78	DATE	WATER LEVEL 1978
			DEPTH			DEPTH
018N-025E-36 AAD 1	BOONE FORMATION	03-22-77	33.92	15.22	03-22-78	18.70

ALFALFA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	DATE	WATER LEVEL 1977	WATER LEVEL CHANGE 1977-78	DATE	WATER LEVEL 1978
			DEPTH			DEPTH
025N-011W-16 DDC 1	TERRACE DEPOSITS	12-15-76	7.63	-0.62	01-04-78	8.25
027N-009W-09 BBA 1	TERRACE DEPOSITS	12-16-76	3.56	-0.29	01-04-78	3.85
027N-011W-09 DCC 1	TERRACE DEPOSITS	12-16-76	12.73	0.76	01-04-78	11.97
027N-011W-14 DBB 1	TERRACE DEPOSITS	12-16-76	10.73	0.38	01-04-78	10.35
027N-011W-23 ABD 1	TERRACE DEPOSITS	12-16-76	12.45	0.55	01-04-78	11.90
028N-011W-10 DDD 1	TERRACE DEPOSITS	12-16-76	K		01-04-78	K
028N-011W-27 DAD 1	TERRACE DEPOSITS	12-16-76	7.25	0.05	01-04-78	7.20
029N-009W-18 CDC 1	TERRACE DEPOSITS	12-16-76	8.64	-0.06	01-04-78	8.70

ATOKA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	DATE	WATER LEVEL 1977	WATER LEVEL CHANGE 1977-78	DATE	WATER LEVEL 1978
			DEPTH			DEPTH
003S-011E-04 ACA 1	ANTLERS SAND	01-04-77	40.76	6.96	03-15-78	33.80

Table 1.--Water levels and water-level changes.--Continued

BEAVER COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
001N-020E-16 CDD	1 OGALLALA FORMATION	01-12-77	102.55		01-18-78	K
001N-021E-05 DDD	1 OGALLALA FORMATION	01-12-77	190.82		01-18-78	K
001N-021E-32 ABC	1 OGALLALA FORMATION	01-12-77	243.50	1.09	01-18-78	242.41
001N-022E-12 BCB	1 OGALLALA FORMATION	01-12-77	193.00	3.18	01-18-78	189.82
001N-022E-33 DDD	1 OGALLALA FORMATION	01-12-77	242.37	-0.79	01-18-78	243.16
001N-022E-34 CDC	1 OGALLALA FORMATION	01-12-77	248.90	0.23	01-18-78	248.67
001N-023E-08 DCB	1 OGALLALA FORMATION	01-14-77	215.65	3.51	01-18-78	212.14
001N-023E-19 DAB	1 OGALLALA FORMATION	01-12-77	238.66	0.01	01-18-78	238.65
001N-023E-23 AAB	1 OGALLALA FORMATION	01-12-77	166.14	-0.02	01-18-78	166.16
001N-023E-26 BBB	1 OGALLALA FORMATION	01-12-77	227.51	3.80	01-18-78	223.71
001N-023E-29 BBC	1 OGALLALA FORMATION	01-12-77	246.44	-0.62	01-18-78	247.06
001N-024E-01 ABB	1 OGALLALA FORMATION	01-11-77	221.70	6.13	01-17-78	215.57
001N-025E-07 CAA	1 OGALLALA FORMATION	01-11-77	62.60	-0.07	02-03-78	62.67
001N-026E-05 DDC	1 OGALLALA FORMATION	01-10-77	86.32		01-17-78	K
001N-026E-36 BDC	1 OGALLALA FORMATION	01-10-77	170.28	-1.24	01-17-78	171.52
001N-027E-06 ACB	1 ALLUVIUM	01-10-77	19.50	*****		*****
001N-027E-21 BBA	1 OGALLALA FORMATION	01-10-77	40.00	-0.60	01-17-78	40.60
001N-027E-35 DAC	1 OGALLALA FORMATION	01-10-77	142.05	-3.48	01-17-78	145.53
001N-028E-02 BCA	1 OGALLALA FORMATION	01-10-77	152.50	-0.16	02-03-78	152.66
002N-020E-01 AAA	1 OGALLALA FORMATION	01-12-77	52.00	-0.39	01-18-78	52.39
002N-021E-11 CDD	1 OGALLALA FORMATION	01-12-77	176.59	-1.51	01-18-78	178.10
002N-022E-14 DCC	1 OGALLALA FORMATION	01-12-77	100.40	-0.52	02-03-78	100.92
002N-022E-27 DAD	1 OGALLALA FORMATION	01-12-77	126.00	0.30	01-18-78	125.70

Table 1.--Water levels and water-level changes.--Continued

BEAVER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
002N-023E-13 BCC	1	OGALLALA FORMATION	01-11-77	12.58	-0.13	01-19-78	12.71
002N-024E-07 CCD	1	OGALLALA FORMATION	01-11-77	77.10	-4.25	01-19-78	81.35
002N-024E-24 CBB	1	OGALLALA FORMATION	01-11-77	192.25	1.38	02-03-78	190.87
002N-025E-19 ADD	2	OGALLALA FORMATION	01-11-77	85.87	0.21	02-03-78	85.66
002N-025E-33 ACA	1	OGALLALA FORMATION	01-11-77	212.50	-0.44	02-03-78	212.94
002N-026E-02 BBA	1	OGALLALA FORMATION	01-10-77	56.78	-2.18	01-19-78	58.96
002N-027E-02 AAD	2	ALLUVIUM	01-10-77	19.60	0.09	01-19-78	19.51
002N-027E-15 BCB	1	ALLUVIUM	01-10-77	10.45	1.18	01-19-78	9.27
002N-027E-21 CDB	2	ALLUVIUM	01-10-77	8.48	0.07	01-19-78	8.41
002N-027E-29 DCD	3	ALLUVIUM	01-10-77	10.44	-0.35	02-03-78	10.79
002N-027E-31 ODA	1	ALLUVIUM	01-10-77	10.30	0.18	01-17-78	10.12
003N-024E-18 BAA	1	OGALLALA FORMATION	01-11-77	118.90	-0.09	01-19-78	118.99
003N-026E-06 CCC	1	OGALLALA FORMATION	01-11-77	85.78	-0.28	01-19-78	86.06
003N-026E-10 AAB	1	OGALLALA FORMATION	01-11-77	13.90	-0.50	01-19-78	14.40
003N-027E-14 CCB	1	OGALLALA FORMATION	01-10-77	86.90	-0.97	01-19-78	87.87
004N-020E-19 CBB	1	OGALLALA FORMATION	01-12-77	102.00	-1.00	01-18-78	103.00
004N-020E-22 CAD	1	OGALLALA FORMATION	01-12-77	116.98	-2.00	01-18-78	118.98
004N-022E-13 ABB	1	ALLUVIUM	01-11-77	11.10	0.12	01-19-78	10.98
004N-024E-24 CCC	1	ALLUVIUM	01-11-77	23.25	-0.14	01-19-78	23.39
004N-025E-28 BBB	1	OGALLALA FORMATION	01-11-77	27.05	-0.24	01-19-78	27.29
004N-025E-31 ABC	1	OGALLALA FORMATION	01-11-77	69.00	-0.28	01-19-78	69.28
004N-026E-05 CCD	2	OGALLALA FORMATION	01-10-77	129.91	-0.55	01-17-78	130.46
004N-028E-06 ADA	1	OGALLALA FORMATION	01-10-77	55.67	0.75	01-16-78	54.92

Table 1.--Water levels and water-level changes.--Continued

BEAVER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
004N-028E-26 DDA	1	ALLUVIUM		*****		02-03-78	10.38
004N-028E-34 88B	1	ALLUVIUM		*****		02-03-78	14.96
005N-020E-02 CDD	1	OGALLALA FORMATION	01-12-77	148.96	-4.27	01-18-78	153.23
005N-020E-02 DCC	1	OGALLALA FORMATION	01-12-77	145.92	-16.45	01-17-78	162.37
005N-020E-05 88B	1	OGALLALA FORMATION	01-12-77	91.96	-5.72	01-18-78	97.68
005N-020E-28 CCC	1	OGALLALA FORMATION	01-12-77	137.32	-1.41	01-18-78	138.73
005N-021E-09 88C	1	OGALLALA FORMATION	01-13-77	171.13	-0.77	01-18-78	171.90
005N-021E-09 DCD	1	OGALLALA FORMATION	01-12-77	164.10	0.31	01-17-78	163.79
005N-021E-10 CAA	1	OGALLALA FORMATION	01-12-77	177.24	-0.54	01-17-78	177.78
005N-021E-17 DBB	1	OGALLALA FORMATION	01-12-77	153.90	0.11	01-17-78	153.79
005N-022E-29 CBA	1	OGALLALA FORMATION	01-12-77	133.62	-0.08	01-17-78	133.70
005N-023E-22 88B	1	OGALLALA FORMATION	01-12-77	102.31	-1.43	01-17-78	103.74
005N-024E-30 CCD	1	OGALLALA FORMATION	01-10-77	9.62	-0.08	01-17-78	9.70
005N-025E-04 BAC	1	OGALLALA FORMATION	01-10-77	58.21	-1.66	01-17-78	59.87
005N-025E-30 DBC	1	UPPER PERMIAN	01-10-77	17.98	-1.16	01-17-78	19.14
005N-026E-15 CDD	1	OGALLALA FORMATION	01-10-77	190.36	-1.54	01-17-78	191.90
005N-027E-09 ADD	1	OGALLALA FORMATION	01-10-77	59.51	0.11	01-16-78	59.40
005N-027E-19 BCB	1	OGALLALA FORMATION	01-10-77	156.38	-3.38	01-17-78	159.76
005N-028E-06 AAA	1	OGALLALA FORMATION	01-10-77	49.23	-0.77	01-16-78	50.00
005N-028E-22 ABA	1	OGALLALA FORMATION	01-10-77	21.69	-3.12	01-16-78	24.81
005N-028E-27 BCD	1	OGALLALA FORMATION	01-10-77	58.48	-0.42	01-17-78	58.90
006N-020E-17 CDD	1	OGALLALA FORMATION	01-12-77	104.34	-2.10	01-17-78	106.44
006N-020E-35 DCC	1	OGALLALA FORMATION	01-12-77	153.34	-1.16	01-17-78	154.50

Table 1.--Water levels and water-level changes.--Continued

BEAVER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
006N-021E-18 CCC	1	OGALLALA FORMATION	01-12-77	154.71	-0.79	01-17-78	155.50
006N-022E-24 ODD	1	OGALLALA FORMATION	01-12-77	102.38	-0.66	01-17-78	103.04
006N-022E-32 AAD	1	OGALLALA FORMATION	01-12-77	K		01-17-78	K
006N-024E-27 CCC	1	OGALLALA FORMATION	01-10-77	116.10	0.03	01-17-78	116.07

BECKHAM COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
008N-021W-31 CBB	1	TERRACE DEPOSITS	12-09-76	23.69	*****		*****
008N-022W-25 CCC	1	TERRACE DEPOSITS	12-09-76	36.33	*****		*****
008N-022W-26 BBB	1	TERRACE DEPOSITS	12-09-76	14.24	*****		*****
008N-022W-27 AAD	1	TERRACE DEPOSITS	12-09-76	20.37	*****		*****
008N-022W-28 BCB	1	TERRACE DEPOSITS	12-09-76	13.53	*****		*****
008N-022W-35 BBA	1	TERRACE DEPOSITS	12-09-76	21.47	*****		*****
008N-022W-36 ADD	1	TERRACE DEPOSITS	12-09-76	23.03	*****		*****
008N-024W-02 ODD	1	TERRACE DEPOSITS	12-29-76	24.37	5.57	03-08-78	18.80
008N-024W-09 AAB	1	TERRACE DEPOSITS	12-29-76	53.17	6.35	03-08-78	46.82
008N-025W-10 BAA	1	TERRACE DEPOSITS	12-29-76	43.22	0.77	03-08-78	42.45
009N-022W-20 CDC	1	TERRACE DEPOSITS	12-08-76	5.54	*****		*****
009N-022W-28 BAB	1	TERRACE DEPOSITS	12-08-76	38.90	*****		*****
009N-022W-29 AAD	1	TERRACE DEPOSITS	12-08-76	31.57	*****		*****
009N-025W-19 CCC	1	TERRACE DEPOSITS	12-29-76	16.70	2.11	03-08-78	14.59
009N-025W-31 BCB	1	TERRACE DEPOSITS	12-29-76	13.14	0.72	03-08-78	12.42
009N-025W-35 ODD	1	TERRACE DEPOSITS	12-29-76	45.58	2.60	03-08-78	42.98
009N-026W-08 BCB	1	TERRACE DEPOSITS	12-29-76	57.15	0.27	03-08-78	56.88
009N-026W-33 BBB	1	TERRACE DEPOSITS	12-29-76	10.93	0.16	03-08-78	10.77

Table 1.--Water levels and water-level changes.--Continued

BLAINE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
015N-011W-28 RBC 1	ALLUVIUM	04-12-77	13.56	0.06	01-11-78	13.50
016N-011W-09 DDB 1	TERRACE DEPOSITS	04-12-77	33.55	-0.95	01-11-78	34.50
016N-011W-19 DBC 1	TERRACE DEPOSITS		*****	*****	01-11-78	22.30
017N-012W-09 DDD 1	TERRACE DEPOSITS	04-12-77	52.63	-0.47	01-11-78	53.10
018N-012W-17 CCC 1	TERRACE DEPOSITS	04-12-77	32.86	*****		*****
019N-013W-04 BBA 1	TERRACE DEPOSITS	04-12-77	20.44	*****		*****
019N-013W-23 ACC 1	TERRACE DEPOSITS	04-12-77	29.26	*****		*****

BRYAN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
006S-012E-23 BBB 1	ANTLERS SAND	01-05-77	161.53	0.23	03-14-78	161.30

Table 1.--Water levels and water-level changes.--Continued

CADD0 COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
008N-011W-19 CAC	1	RUSH SPRINGS SANDSTONE	12-20-76	90.75	11.55	03-08-78	79.20
008N-012W-28 BBB	1	RUSH SPRINGS SANDSTONE	12-20-76	66.19	0.69	03-08-78	65.50
008N-013W-20 ABA	1	RUSH SPRINGS SANDSTONE	12-20-76	69.90	0.87	03-08-78	69.03
009N-012W-14 DDB	1	RUSH SPRINGS SANDSTONE	12-21-76	77.14	0.19	03-08-78	76.95
009N-012W-23 BAC	1	RUSH SPRINGS SANDSTONE	12-21-76	73.79	0.89	03-08-78	72.90
009N-013W-12 AAC	1	RUSH SPRINGS SANDSTONE	02-09-77	39.30	0.40	03-08-78	38.90
009N-013W-33 BBB	1	RUSH SPRINGS SANDSTONE	12-21-76	32.63	-1.04	03-08-78	33.67
010N-011W-31 CBC	1	RUSH SPRINGS SANDSTONE	12-21-76	118.60	-0.20	03-08-78	118.80
010N-012W-03 BBD	1	RUSH SPRINGS SANDSTONE	12-20-76	129.54	-0.24	03-08-78	129.78
010N-012W-06 AAC	1	RUSH SPRINGS SANDSTONE	02-09-77	79.54	-1.06	01-10-78	80.60
010N-012W-10 CCB	1	RUSH SPRINGS SANDSTONE	02-09-77	99.18	-1.02	03-09-78	100.20
010N-012W-13 CCA	1	RUSH SPRINGS SANDSTONE	12-20-76	63.52	0.37	03-09-78	63.15
010N-012W-14 CDB	1	RUSH SPRINGS SANDSTONE	12-20-76	91.54	3.24	03-09-78	88.30
010N-012W-17 ADD	1	RUSH SPRINGS SANDSTONE	02-09-77	82.25	*****		*****
010N-012W-20 DAC	1	RUSH SPRINGS SANDSTONE	12-20-76	80.18	-0.72	03-09-78	80.90
010N-012W-23 BBD	1	RUSH SPRINGS SANDSTONE		*****	*****	03-09-78	84.35
010N-012W-31 DDB	1	RUSH SPRINGS SANDSTONE	02-09-77	71.85	*****		*****
010N-012W-33 ABC	1	RUSH SPRINGS SANDSTONE	02-09-77	91.74	0.39	03-08-78	91.35
010N-012W-34 DBD	1	RUSH SPRINGS SANDSTONE	12-20-76	64.60	0.35	03-08-78	64.25
010N-012W-35 CBA	1	RUSH SPRINGS SANDSTONE	12-21-76	36.60	-0.30	03-08-78	36.90
010N-013W-02 DAC	1	RUSH SPRINGS SANDSTONE	12-21-76	75.30	2.90	03-09-78	72.40
010N-013W-32 BCB	1	RUSH SPRINGS SANDSTONE	12-20-76	9.20	*****		*****
011N-012W-04 CAC	1	RUSH SPRINGS SANDSTONE	02-09-77	130.58	-0.82	01-10-78	131.40

Table 1.--Water levels and water-level changes.--Continued

CADD0 COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
011N-012W-14	CAC 1	RUSH SPRINGS SANDSTONE	02-09-77	78.69	-1.86	01-10-78	80.55
011N-012W-33	AAC 1	RUSH SPRINGS SANDSTONE	02-09-77	127.88	-1.72	01-10-78	129.60
011N-013W-16	ACA 1	RUSH SPRINGS SANDSTONE	12-21-76	89.42	0.77	01-10-78	88.65
012N-012W-10	DAD 1	RUSH SPRINGS SANDSTONE	12-20-76	64.35	*****		*****
012N-013W-27	BAC 1	RUSH SPRINGS SANDSTONE	12-21-76	64.85	-0.75	01-10-78	65.60

CANADIAN COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
012N-005W-11	CDA 1	ALLUVIUM	03-15-77	11.34	1.44	03-13-78	9.90
012N-005W-18	ADA 1	ALLUVIUM	02-10-77	15.68	-2.80	03-13-78	18.48
012N-006W-07	DBD 1	ALLUVIUM	02-10-77	19.60		03-13-78	K
012N-006W-10	AAB 1	ALLUVIUM	02-10-77	A		03-13-78	15.90
012N-007W-03	DAB 1	ALLUVIUM	03-15-77	A		03-13-78	18.85
013N-006W-31	DDA 1	ALLUVIUM	02-10-77	12.05	-1.10	03-13-78	13.15
013N-007W-29	ADD 1	ALLUVIUM	03-15-77	18.06	-0.91	03-13-78	18.97
013N-008W-28	BBA 1	ALLUVIUM	03-16-77	12.38	-0.69	03-13-78	13.07
014N-009W-17	DDD 1	TERRACE DEPOSITS	03-16-77	17.35	0.50	03-13-78	16.85
014N-010W-17	BAC 1	ALLUVIUM	03-16-77	9.80	0.95	03-13-78	8.85

CARTER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
003S-001W-35	BBC 1	ALLUVIUM	01-04-77	43.16	7.61	03-07-78	35.55

Table 1.--Water levels and water-level changes.--Continued

CHEROKEE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
017N-022E-08 CDC 1	ALLUVIUM	03-22-77	3.24	3.24	03-22-78	0.00

CHOCTAW COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
006S-014E-18 CBB 1	ANTLERS SAND	01-05-77	27.68	-0.37	03-15-78	28.05
006S-019E-02 CDD 1	ANTLERS SAND	01-05-77	73.10	-3.20	03-15-78	76.30

Table 1.--Water levels and water-level changes.--Continued

CIMARRON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
001N-001E-10 AAD 1	MORRISON FORMATION		*****	*****	01-17-78	170.09
001N-001E-15 BBB 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	195.26	0.94	02-01-78	194.32
001N-001E-20 DCC 1	CHEYENNE SANDSTONE	01-11-77	190.89	-0.56	01-17-78	191.45
001N-001E-25 CBB 1	CHEYENNE SANDSTONE	01-11-77	180.02	0.82	01-17-78	179.20
001N-001E-33 ACD 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	K	--	01-17-78	194.93
001N-001E-35 ABC 1	CHEYENNE SANDSTONE	01-11-77	173.22	-4.00	01-17-78	177.22
001N-002E-07 DAA 1	CHEYENNE SANDSTONE	01-11-77	145.49	0.20	01-20-78	145.29
001N-002E-09 BCB 1	DAKOTA SANDSTONE	01-11-77	144.43	1.91	02-01-78	142.52
001N-002E-10 BDD 1	CHEYENNE SANDSTONE	01-11-77	111.66	0.33	02-01-78	111.33
001N-002E-12 ABB 1	CHEYENNE SANDSTONE	01-11-77	108.63	10.25	02-01-78	98.38
001N-002E-13 BBC 1	CHEYENNE SANDSTONE	01-11-77	105.88	1.43	01-20-78	104.45
001N-002E-16 BDC 1	CHEYENNE SANDSTONE	01-11-77	142.76	56.06	01-20-78	86.70
001N-002E-24 CBB 1	CHEYENNE SANDSTONE	01-11-77	125.80	1.53	01-17-78	124.27
001N-002E-26 BAD 1	CHEYENNE SANDSTONE	01-11-77	K		01-17-78	M
001N-002E-27 BCC 1	DAKOTA SANDSTONE	01-11-77	90.79	-0.05	01-17-78	90.84
001N-002E-29 BBA 1	CHEYENNE SANDSTONE	01-11-77	114.36	-0.44	01-17-78	114.80
001N-002E-30 BCC 1	OGALLALA FORMATION	01-12-77	145.65	-0.74	01-17-78	146.39
001N-003E-08 ADB 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	87.83	-0.31	01-20-78	88.14
001N-003E-09 DDD 1	OGALLALA FORMATION	01-11-77	100.08	-0.23	01-17-78	100.31
001N-003E-14 BCB 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	102.98	-1.07	01-17-78	104.05

Table 1.--Water levels and water-level changes.--Continued

CIMARRON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977 DATE	WATER LEVEL 1977 DEPTH	WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
					DATE	DEPTH
001N-003E-17 CBC 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	109.12	-0.50	01-17-78	109.62
001N-003E-19 CCD 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	110.49	0.45	01-17-78	110.04
001N-003E-25 BBB 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	103.71	6.96	01-17-78	96.75
001N-003E-29 CCB 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	166.27	-24.86	01-17-78	191.13
001N-003E-32 CAA 1	OGALLALA FORMATION	01-11-77	61.76	1.86	01-17-78	59.90
001N-003E-33 DCC 1	OGALLALA FORMATION	01-11-77	43.77	-0.51	01-17-78	44.28
001N-003E-35 CAA 1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	83.35	1.81	01-17-78	81.54
001N-004E-09 DDD 1	OGALLALA FORMATION	01-11-77	62.63		01-18-78	K
001N-004E-26 ADC 1	OGALLALA FORMATION	01-11-77	56.36	0.02	01-18-78	56.34
001N-005E-25 CBB 1	OGALLALA FORMATION	01-11-77	65.09	3.13	01-18-78	61.96
001N-005E-27 DBD 1	OGALLALA FORMATION	01-11-77	68.07	-1.95	01-18-78	70.02
001N-005E-32 BBA 1	OGALLALA FORMATION	01-11-77	69.15	-0.99	01-18-78	70.14
001N-005E-34 CDD 1	OGALLALA FORMATION	01-11-77	85.28	3.68	01-18-78	81.60
001N-005E-35 DBC 1	OGALLALA FORMATION	01-11-77	70.24	-0.21	01-18-78	70.45
001N-006E-05 BBA 1	OGALLALA FORMATION	01-11-77	103.38		01-18-78	K
001N-006E-26 CCC 1	OGALLALA FORMATION	01-11-77	105.18	2.70	01-18-78	102.48
001N-007E-18 DCC 1	OGALLALA FORMATION	01-11-77	K		01-18-78	88.49
001N-007E-28 BAD 1	DOCKUM GROUP	01-11-77	192.74	0.89	01-18-78	191.85
001N-008E-03 BBB 1	OGALLALA FORMATION	01-12-77	301.29	-0.36	01-18-78	301.65
001N-008E-04 DBD 1	OGALLALA FORMATION	01-12-77	312.48	0.08	01-18-78	312.40

Table 1.--Water levels and water-level changes.--Continued

CIMARRON COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
001N-008E-25 ACB	1	OGALLALA FORMATION	01-12-77	288.04	1.93	02-01-78	286.11
001N-009E-04 BBC	1	OGALLALA FORMATION	01-12-77	304.02	5.86	02-01-78	298.16
001N-009E-10 CBC	1	OGALLALA FORMATION	01-12-77	278.00	-2.50	01-18-78	280.50
001N-009E-11 CBC	1	OGALLALA FORMATION	01-12-77	294.09	-0.35	01-18-78	294.44
001N-009E-27 DDA	1	OGALLALA FORMATION	01-12-77	252.37	-5.43	01-18-78	257.80
001N-009E-29 DCB	1	OGALLALA FORMATION	01-12-77	294.67	-0.65	01-18-78	295.32
002N-001E-27 CAD	1	DAKOTA SANDSTONE	01-11-77	96.26	0.26	01-18-78	96.00
002N-002E-01 ADB	1	CHEYENNE SANDSTONE	01-11-77	147.10	-2.00	01-17-78	149.10
002N-002E-12 ABB	1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	183.80		01-17-78	K
002N-002E-13 BBB	1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	146.52	4.97	01-17-78	141.55
002N-002E-16 CAA	1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	135.19	-20.03	01-17-78	155.22
002N-002E-25 BAD	1	DAKOTA SANDSTONE CHEYENNE SANDSTONE	01-11-77	109.82	1.42	01-17-78	108.40
002N-003E-02 ACA	1	CHEYENNE SANDSTONE	01-11-77	210.07	8.09	01-18-78	201.98
002N-005E-06 ADA	1	OGALLALA FORMATION	01-11-77	113.07	1.82	01-18-78	111.25
002N-006E-04 BBB	1	OGALLALA FORMATION	01-12-77	149.28	10.33	01-20-78	138.95
002N-007E-01 DDD	1	OGALLALA FORMATION	01-12-77	K		01-19-78	F
002N-007E-06 CCB	1	OGALLALA FORMATION	01-12-77	K		01-19-78	164.85
002N-007E-09 ACC	1	OGALLALA FORMATION	01-12-77	168.81	2.46	01-19-78	166.35
002N-007E-13 DDD	1	OGALLALA FORMATION	01-12-77	269.78	0.08	01-18-78	269.70
002N-007E-25 CBB	1	OGALLALA FORMATION	01-12-77	185.33	1.03	01-19-78	184.30
002N-007E-26 AAC	1	OGALLALA FORMATION	01-12-77	231.05	6.95	01-19-78	224.10

Table 1.--Water levels and water-level changes.--Continued

CIMARRON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
002N-008E-17 BBA 1	OGALLALA FORMATION	01-12-77	274.81	-1.39	01-19-78	276.20
002N-008E-19 DBB 1	OGALLALA FORMATION	01-12-77	242.15	0.17	01-19-78	241.98
002N-008E-22 ABC 1	OGALLALA FORMATION	01-12-77	291.12	-9.33	01-19-78	300.45
002N-008E-26 ABB 1	OGALLALA FORMATION	01-12-77	312.27	-3.83	01-19-78	316.10
002N-009E-02 ACC 1	OGALLALA FORMATION	01-12-77	114.96	-4.66	01-19-78	119.62
002N-009E-33 ABB 1	OGALLALA FORMATION	01-12-77	277.26		01-19-78	K
003N-002E-28 CCC 1	OGALLALA FORMATION	01-11-77	17.42	-5.38	01-17-78	22.80
003N-004E-11 CAC 1	OGALLALA FORMATION	01-11-77	161.47	0.81	01-17-78	160.66
003N-004E-17 BBA 1	OGALLALA FORMATION	01-11-77	126.30	-2.05	01-18-78	128.35
003N-004E-30 CAA 1	OGALLALA FORMATION	01-11-77	145.55	-25.70	01-17-78	171.25
003N-004E-33 BCC 1	OGALLALA FORMATION	01-11-77	121.24	-14.62	01-17-78	135.86
003N-005E-05 DAA 1	OGALLALA FORMATION	01-10-77	219.06	8.21	01-17-78	210.85
003N-005E-09 BCD 1	OGALLALA FORMATION	01-11-77	K		01-17-78	226.59
003N-005E-11 CCC 1	OGALLALA FORMATION	01-10-77	196.13		01-18-78	K
003N-005E-12 ACC 1	OGALLALA FORMATION	01-10-77	163.76	3.01	01-19-78	160.75
003N-005E-16 DBA 1	OGALLALA FORMATION	01-10-77	201.09	-13.93	01-18-78	215.02
003N-005E-18 BBB 1	OGALLALA FORMATION	01-11-77	186.05	-12.64	01-17-78	198.69
003N-005E-23 BBB 1	OGALLALA FORMATION	01-11-77	192.63		01-18-78	K
003N-005E-36 DCA 1	OGALLALA FORMATION	01-11-77	147.58	-0.55	01-17-78	148.13
003N-006E-01 ABC 1	OGALLALA FORMATION	01-12-77	106.74	-1.30	01-19-78	108.04
003N-006E-04 BBB 1	OGALLALA FORMATION	01-12-77	166.89	-3.84	01-19-78	170.73
003N-006E-05 BAB 1	OGALLALA FORMATION	01-12-77	195.05		01-19-78	K
003N-006E-08 CBB 1	OGALLALA FORMATION	01-12-77	160.12	-3.27	01-19-78	163.39

Table 1.--Water levels and water-level changes.--Continued

CIMARRON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
003N-006E-09 BCC 1	OGALLALA FORMATION	01-12-77	K		01-19-78	158.02
003N-006E-14 ABB 1	OGALLALA FORMATION	01-12-77	118.45	-0.27	01-19-78	118.72
003N-006E-15 DCA 1	OGALLALA FORMATION	01-12-77	129.87	-1.23	01-18-78	131.10
003N-006E-16 CBB 1	OGALLALA FORMATION	01-12-77	117.56	-9.92	01-19-78	127.48
003N-007E-09 BBB 1	OGALLALA FORMATION	01-12-77	28.50	-1.58	01-19-78	30.08
003N-007E-32 BAA 1	OGALLALA FORMATION	01-12-77	143.57	4.03	01-19-78	139.54
003N-007E-33 DDC 1	OGALLALA FORMATION	01-12-77	137.86	-2.32	01-19-78	140.18
003N-009E-13 ABB 1	OGALLALA FORMATION	01-12-77	186.56	-1.16	01-19-78	187.72
003N-009E-15 CBC 1	OGALLALA FORMATION	01-12-77	235.30	3.10	01-19-78	232.20
004N-004E-23 BBB 1	OGALLALA FORMATION	01-11-77	92.70	2.08	01-18-78	90.62
004N-004E-26 BCB 1	OGALLALA FORMATION	01-11-77	218.01	1.14	01-18-78	216.87
004N-004E-36 AAC 1	OGALLALA FORMATION	01-11-77	184.06	0.58	01-18-78	183.48
004N-005E-15 BBB 1	CHEYENNE SANDSTONE	01-11-77	122.14	-1.11	01-20-78	123.25
004N-005E-31 CCD 1	OGALLALA FORMATION	01-11-77	193.61		01-18-78	A
004N-005E-32 AAA 1	OGALLALA FORMATION	01-10-77	192.15	-6.00	01-17-78	198.15
004N-005E-36 ACB 1	OGALLALA FORMATION	01-10-77	180.44	-2.83	01-19-78	183.27
004N-006E-09 ACB 1	DOCKUM GROUP	01-11-77	216.44	1.70	01-19-78	214.74
004N-006E-17 CDC 1	DOCKUM GROUP	01-11-77	227.81	-4.29	01-19-78	232.10
004N-006E-22 CBB 1	OGALLALA FORMATION	01-11-77	180.39	-1.67	01-19-78	182.06
004N-006E-23 BAB 1	OGALLALA FORMATION	01-11-77	157.16	1.12	01-19-78	156.04
004N-006E-25 BBC 1	OGALLALA FORMATION	01-12-77	147.47	5.46	01-19-78	142.01
004N-006E-26 CBC 1	OGALLALA FORMATION	01-12-77	142.00	-1.40	01-19-78	143.40
004N-006E-30 DCC 1	OGALLALA FORMATION	01-10-77	188.89	-4.60	01-19-78	193.49

Table 1.--Water levels and water-level changes.--Continued

CIMARRON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
004N-007E-01 DAA	1 OGALLALA FORMATION	01-11-77	194.24	-0.93	01-19-78	195.17
004N-007E-03 CBA	1 OGALLALA FORMATION	01-11-77	184.23	-3.96	01-19-78	188.19
004N-007E-07 ABB	1 OGALLALA FORMATION	01-11-77	216.25	3.48	01-19-78	212.77
004N-007E-09 CBB	1 OGALLALA FORMATION	01-11-77	208.89	0.93	01-19-78	207.96
004N-007E-15 BBC	1 OGALLALA FORMATION	01-11-77	167.74	1.56	02-01-78	166.18
004N-007E-16 ACC	1 OGALLALA FORMATION	01-11-77	144.13	4.60	01-19-78	139.53
004N-007E-18 CBB	1 OGALLALA FORMATION	01-11-77	175.43	7.06	01-19-78	168.37
004N-007E-32 DBB	1 OGALLALA FORMATION	01-11-77	84.68	1.20	01-19-78	83.48
004N-008E-05 AAB	1 OGALLALA FORMATION	01-11-77	185.07	0.40	01-19-78	184.67
004N-009E-11 ADA	1 DOCKUM GROUP	01-11-77	218.81	-0.09	01-19-78	218.90
005N-007E-35 CCB	1 OGALLALA FORMATION	01-11-77	233.09	2.80	01-19-78	230.29
005N-009E-05 AAA	1 OGALLALA FORMATION	01-13-77	F		01-19-78	M
005N-009E-36 CBC	1 OGALLALA FORMATION	01-11-77	199.29	0.11	01-19-78	199.18
006N-008E-28 CAB	1 OGALLALA FORMATION		*****	*****	02-01-78	226.58
006N-008E-29 BDC	1 OGALLALA FORMATION	01-11-77	178.92	2.59	01-19-78	176.33

CLEVELAND COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
009N-002W-15 DDD	1 GARBER-WELLINGTON	01-03-77	250.00	7.00	12-29-77	243.00
009N-002W-22 ADD	1 GARBER-WELLINGTON	01-03-77	200.00	2.00	12-29-77	198.00
009N-003W-02 DCA	1 GARBER-WELLINGTON	01-03-77	355.70	10.33	12-29-77	345.37
010N-003W-10 BAC	1 GARBER-WELLINGTON	12-28-76	348.92	5.00	12-29-77	343.92
010N-003W-14 CBB	1 GARBER-WELLINGTON	12-28-76	274.84	-105.76	12-20-77	380.60
010N-003W-22 BDC	1 GARBER-WELLINGTON	12-28-76	303.70	-2.00	12-20-77	305.70
010N-004W-22 ABD	1 GARBER-WELLINGTON	03-01-77	320.00	*****		*****

Table 1.--Water levels and water-level changes.--Continued.

COAL COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
003N-009E-20 CCC 1	BOGGY FORMATION	01-03-77	25.26	*****		*****

COMANCHE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
004N-010W-07 CCC 1	EL RENO GROUP	03-07-77	1.95	-4.98	03-08-78	6.93

COTTON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
003S-010W-30 AAB 1	OSCAR FORMATION	03-08-77	12.07	-1.48	03-06-78	13.55

CRAIG COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
026N-021E-08 DDD 1	ANTLERS SAND	03-23-77	7.27	5.14	03-21-78	2.13

CREEK COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
017N-007E-08 CBD 1	VAMOOSA FORMATION	03-24-77	212.50		03-20-78	A

Table 1.--Water levels and water-level changes.--Continued

CUSTER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
012N-014W-03 BBD	1	RUSH SPRINGS SANDSTONE	12-21-76	34.85	-35.55	01-11-78	70.40
012N-015W-33 BCA	1	RUSH SPRINGS SANDSTONE	12-21-76	74.69	-0.16	01-11-78	74.85
015N-014W-31 BDD	1	RUSH SPRINGS SANDSTONE	12-20-76	50.09	*****		*****

DELAWARE COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
020N-024E-04 CDA	1	BOONE FORMATION	03-22-77	30.22	14.09	03-22-78	16.13

DEWEY COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
016N-014W-06 CBB	1	RUSH SPRINGS SANDSTONE	04-13-77	60.10	5.99	01-11-78	54.11
017N-014W-05 CCC	1	RUSH SPRINGS SANDSTONE	04-13-77	*****A	*****		*****
017N-014W-24 CCA	1	RUSH SPRINGS SANDSTONE	04-13-77	62.93	0.20	01-11-78	62.73
017N-015W-13 DDB	1	RUSH SPRINGS SANDSTONE	04-13-77	94.89	0.34	01-11-78	94.55
018N-014W-07 BBD	1	RUSH SPRINGS SANDSTONE	04-12-77	55.93	-0.64	01-11-78	56.57
018N-014W-13 ACA	1	RUSH SPRINGS SANDSTONE	04-12-77	22.77	-0.36	01-11-78	23.13
018N-015W-26 AAD	1	RUSH SPRINGS SANDSTONE	04-13-77	72.68	0.68	01-11-78	72.00
018N-016W-23 BBD	1	RUSH SPRINGS SANDSTONE	04-13-77	20.63	*****		*****
019N-014W-27 ADD	1	RUSH SPRINGS SANDSTONE	04-12-77	26.56	-0.29	01-11-78	26.85

Table 1.--Water levels and water-level changes.--Continued

ELLIS COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
018N-021W-05 888 1	TERRACE DEPOSITS	12-22-76	131.10	1.57	03-08-78	129.53
019N-024W-10 CCA 1	TERRACE DEPOSITS	12-22-76	146.53	1.33	03-08-78	145.20
020N-024W-35 ADC 1	TERRACE DEPOSITS	12-22-76	121.60	14.10	03-08-78	107.50
020N-026W-15 DCC 1	TERRACE DEPOSITS	12-22-76	169.61	2.11	03-08-78	167.50
021N-024W-10 888 1	TERRACE DEPOSITS	01-13-77	10.68	1.59	03-09-78	9.09
021N-025W-24 CCC 1	TERRACE DEPOSITS	01-13-77	41.42	1.57	03-09-78	39.85
021N-025W-34 CBD 1	TERRACE DEPOSITS	01-13-77	64.33	1.63	03-09-78	62.70

GARFIELD COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
021N-007W-04 CCC 1	TERRACE DEPOSITS	03-11-77	19.08	-0.35	01-05-78	19.43
021N-008W-06 DCC 1	TERRACE DEPOSITS	12-08-76	6.18		01-05-78	A
021N-008W-18 DCD 1	TERRACE DEPOSITS	12-08-76	7.55	0.27	01-05-78	7.28
021N-008W-19 CBB 2	TERRACE DEPOSITS	12-08-76	18.18	-4.62	01-05-78	22.80
023N-007W-21 AAD 1	TERRACE DEPOSITS	12-08-76	9.95	-24.72	01-05-78	34.67
023N-007W-21 BBC 2	TERRACE DEPOSITS		*****	*****	01-05-78	9.45
023N-007W-26 AAB 1	TERRACE DEPOSITS	12-08-76	30.50	2.30	01-05-78	28.20
023N-007W-26 BBA 3	TERRACE DEPOSITS	12-08-76	39.12	-0.03	01-05-78	39.15
023N-007W-27 ABA 1	TERRACE DEPOSITS	12-08-76	49.39	4.04	01-05-78	45.35
023N-007W-27 BBA 3	TERRACE DEPOSITS	12-08-76	48.61	-0.54	01-05-78	49.15
023N-007W-27 BCB 2	TERRACE DEPOSITS	12-08-76	44.85	-5.67	01-05-78	50.52
023N-007W-28 ABA 2	TERRACE DEPOSITS	12-08-76	48.29	0.34	01-05-78	47.95
023N-007W-28 BBA 1	TERRACE DEPOSITS	12-08-76	55.13	0.08	01-05-78	55.05

Table 1.--Water levels and water-level changes.--Continued

GARVIN COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
004N-003E-03 ADD	1	TERRACE DEPOSITS	12-16-76	26.05	0.43	12-14-77	25.62
004N-003E-11 CBB	1	TERRACE DEPOSITS	12-16-76	44.96	2.56	12-14-77	42.40
004N-003E-14 CCC	2	TERRACE DEPOSITS	12-16-76	69.08	-1.69	12-14-77	70.77
004N-003E-23 ABB	1	TERRACE DEPOSITS	12-16-76	A		12-14-77	A

GRADY COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
003N-007W-17 DBB	1	RUSH SPRINGS SANDSTONE	12-10-76	32.83	-1.97	03-08-78	34.80

GRANT COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
026N-005W-31 ADA	1	TERRACE DEPOSITS	03-11-77	14.35	-1.91C	01-04-78	16.26C
026N-006W-24 DDD	1	TERRACE DEPOSITS	03-11-77	16.33	*****		*****
026N-007W-07 ABA	1	TERRACE DEPOSITS	03-10-77	11.78	-0.32	01-04-78	12.10
026N-008W-27 BAA	1	TERRACE DEPOSITS	04-14-77	A		01-04-78	A
027N-007W-18 BAB	1	TERRACE DEPOSITS	03-10-77	13.23	-0.65	01-04-78	13.88
027N-008W-02 CCC	1	TERRACE DEPOSITS	03-10-77	9.63	-0.64	01-04-78	10.27

Table 1.--Water levels and water-level changes.--Continued

GREER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
003N-023W-16 DAA	1	BLAINE GYPSUM DOG CREEK SHALE	12-07-76	K		03-09-78	25.35
004N-023W-33 DAB	1	BLAINE GYPSUM DOG CREEK SHALE	12-07-76	26.12	-1.48	03-09-78	27.60
005N-023W-22 AAA	1	BLAINE GYPSUM DOG CREEK SHALE	12-08-76	89.75	-2.60	03-08-78	92.35
005N-023W-27 ACA	1	BLAINE GYPSUM DOG CREEK SHALE	12-08-76	62.79	-1.83	03-08-78	64.62

HARMON COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
001N-024W-34 DCC	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	13.12	0.05	03-09-78	13.07
001N-025W-12 DAA	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	36.58	2.66	03-09-78	33.92
001N-025W-35 DDB	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	17.50	0.90	03-09-78	16.60
002N-025W-23 ABB	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	28.58	1.49	03-09-78	27.09
002N-026W-05 BCC	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	48.39	3.55	03-09-78	44.84
002N-026W-15 AAD	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	75.45	-4.50	03-09-78	79.95
002N-026W-27 BCB	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	39.98	-5.04	03-09-78	45.02
002N-026W-31 CBC	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	33.17	-0.45	03-09-78	33.62
002N-027W-01 CCB	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	63.66	3.64	03-09-78	60.02
003N-024W-29 AAA	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	62.85	1.28	03-08-78	61.57
003N-025W-32 BBB	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	41.23	1.37	03-08-78	39.86
003N-026W-35 BAB	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	55.47	4.33	03-08-78	51.14

Table 1.--Water levels and water-level changes.--Continued

HARPER COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
025N-024W-17 CBC 1	TERRACE DEPOSITS	03-09-77	6.20	-0.97	03-07-78	7.17
025N-025W-09 BAA 1	TERRACE DEPOSITS	03-10-77	15.39	-9.91C	03-07-78	25.30C
025N-026W-25 AAD 1	TERRACE DEPOSITS	03-10-77	32.99	-1.31	03-07-78	34.30
026N-025W-17 DCC 1	TERRACE DEPOSITS	03-09-77	7.45	-0.45	03-07-78	7.90
027N-025W-19 AAA 1	TERRACE DEPOSITS	03-08-77	7.57	-0.33	03-07-78	7.90

HASKELL COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
008N-020E-31 CCD 1	MCALESTER FORMATION	01-05-77	3.49	2.60	03-14-78	0.89

HUGHES COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
004N-011E-13 AAA 1	ALLUVIUM	12-20-76	55.42	-0.08	03-14-78	55.50

Table 1.--Water levels and water-level changes.--Continued

JACKSON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER		WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
001S-024W-02 ABB	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	30.73	-0.89	03-09-78	31.62
001S-025W-13 CCC	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	78.87	3.67	03-09-78	75.20
001N-023W-10 BBB	1	BLAINE GYPSUM DOG CREEK SHALE	12-27-76	24.29	1.74	03-09-78	22.55
002N-022W-08 DDA	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	30.29	0.09	03-09-78	30.20
002N-023W-12 BBD	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	27.57	1.04	03-09-78	26.53
002N-023W-21 AAA	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	24.49	1.76	03-09-78	22.73
003N-022W-32 CBB	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	38.45	1.45	03-09-78	37.00
003N-023W-19 BBB	1	BLAINE GYPSUM DOG CREEK SHALE	12-07-76	77.14	-1.32	03-09-78	78.46
003N-023W-27 AAD	1	BLAINE GYPSUM DOG CREEK SHALE	12-07-76	37.74	2.80	03-09-78	34.94
003N-023W-30 DAA	1	BLAINE GYPSUM DOG CREEK SHALE	12-28-76	20.40	0.95	03-09-78	19.45

JEFFERSON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER		WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
005N-008W-12 BAD	1	ALLUVIUM	03-08-77	23.79	-0.04	03-06-78	23.83

JOHNSTON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER		WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
004S-004E-16 BBC	1	ALLUVIUM	01-04-77	25.69	-2.84	03-07-78	28.53

Table 1.--Water levels and water-level changes.--Continued

KAY COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
025N-001W-08	88A	1	TERRACE DEPOSITS	04-21-77	11.29	-0.11	01-03-78 11.40
026N-002E-25	88C	1	TERRACE DEPOSITS	04-21-77	25.59	3.94	01-03-78 21.65
029N-002W-19	CDC	1	TERRACE DEPOSITS	04-21-77	33.56	0.66	01-03-78 32.90

KINGFISHER COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
017N-005W-04	88B	1	TERRACE DEPOSITS	12-07-76	15.10		01-03-78 M
017N-005W-06	88A	1	TERRACE DEPOSITS	12-07-76	25.59	*****	*****
017N-005W-10	DCC	1	TERRACE DEPOSITS	12-07-76	18.89	-0.88	01-03-78 19.77
017N-005W-13	DDD	1	TERRACE DEPOSITS	12-07-76	27.04	-1.63	01-03-78 28.67
017N-005W-14	CBC	1	TERRACE DEPOSITS	12-07-76	26.92	*****	*****
017N-005W-18	CCC	1	TERRACE DEPOSITS	12-07-76	27.29	-0.71	01-04-78 28.00
017N-005W-27	CCC	1	TERRACE DEPOSITS	12-07-76	8.20	-0.30	01-03-78 8.50
017N-006W-02	AAA	1	TERRACE DEPOSITS	12-07-76	17.86	-2.34	01-04-78 20.20
017N-006W-11	DDD	1	TERRACE DEPOSITS		*****	*****	01-03-78 35.05
017N-006W-12	AAA	1	TERRACE DEPOSITS	12-07-76	35.75	-1.23	01-03-78 36.98
017N-006W-18	BCC	1	TERRACE DEPOSITS	12-09-76	5.33	-0.60	01-03-78 5.93
017N-007W-02	DBD	1	TERRACE DEPOSITS	12-07-76	9.05	-1.75	01-03-78 10.80
017N-007W-11	DBA	1	TERRACE DEPOSITS	12-07-76	15.84	-1.01	01-03-78 16.85
017N-007W-11	DCD	2	TERRACE DEPOSITS	12-07-76	12.75	-0.31	01-03-78 13.06
017N-007W-12	DAA	1	TERRACE DEPOSITS		*****	*****	01-03-78 13.50
018N-006W-03	CBD	1	TERRACE DEPOSITS		*****	*****	*****
018N-006W-06	88B	1	TERRACE DEPOSITS	12-07-76	21.17	*****	*****
018N-006W-07	AAC	1	TERRACE DEPOSITS	12-07-76	7.81	-0.29	01-04-78 8.10
018N-006W-10	DDD	1	TERRACE DEPOSITS	12-07-76	7.24	-1.01	01-04-78 8.25
018N-006W-15	CAD	1	TERRACE DEPOSITS		*****	*****	*****
018N-006W-16	CCD	1	TERRACE DEPOSITS	12-07-76	21.12	-1.05	01-04-78 22.17
018N-006W-17	AAB	1	TERRACE DEPOSITS	12-07-76	32.59	-1.11	01-04-78 33.70
018N-006W-17	88B	2	TERRACE DEPOSITS	12-07-76	13.73		01-04-78 M

Table 1.--Water levels and water-level changes.--Continued

KINGFISHER COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
018N-006W-20 CCA 1	TERRACE DEPOSITS	12-07-76	11.40	-1.65	01-04-78	13.05
018N-006W-31 BAA 1	TERRACE DEPOSITS	12-07-76	14.50	-1.40	01-04-78	15.90
018N-006W-31 DDD 2	TERRACE DEPOSITS	12-07-76	4.23	-0.47	01-04-78	4.70
018N-006W-32 BAA 1	TERRACE DEPOSITS	12-07-76	11.54	-1.20	01-04-78	12.74
018N-006W-35 BBB 1	TERRACE DEPOSITS	12-07-76	14.68	-0.89	01-04-78	15.57
018N-007W-21 DCD 1	TERRACE DEPOSITS	12-09-76	23.85	-3.15	01-10-78	27.00
018N-008W-10 BAB 1	TERRACE DEPOSITS	12-09-76	12.90	-1.02	01-10-78	13.92
018N-008W-13 BBB 1	TERRACE DEPOSITS	12-09-76	11.20	7.45	01-10-78	3.75
019N-007W-08 ADA 1	TERRACE DEPOSITS	12-09-76	15.84	*****		*****
019N-007W-22 AAB 1	TERRACE DEPOSITS	12-09-76	17.18	0.33	01-10-78	16.85
019N-007W-22 BAA 2	TERRACE DEPOSITS	12-09-76	9.40	0.11	01-10-78	9.29
019N-007W-30 DCC 2	TERRACE DEPOSITS	12-09-76	34.15	*****		*****
019N-008W-03 AAA 1	TERRACE DEPOSITS	12-09-76	6.03	-0.82	01-10-78	6.85
019N-008W-17 DCD 1	TERRACE DEPOSITS	12-09-76	6.76	-1.54	01-10-78	8.30
019N-008W-27 DAC 1	TERRACE DEPOSITS	12-09-76	7.84	*****		*****
019N-009W-10 CDU 1	TERRACE DEPOSITS	12-09-76	6.74	-1.79	01-10-78	8.53
019N-009W-24 AAD 1	TERRACE DEPOSITS		*****	*****	01-10-78	3.80

KIOWA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
003N-017W-28 CAD 1	TERRACE DEPOSITS		*****	*****	03-29-78	20.05
006N-018W-32 BCB 1	TERRACE DEPOSITS		*****	*****	03-08-78	19.24
006N-020W-20 ADA 2	TERRACE DEPOSITS	12-29-76	31.10	2.06	03-08-78	29.04
006N-020W-20 DAA 1	TERRACE DEPOSITS	12-29-76	28.02	3.82	03-08-78	24.20
006N-020W-21 CCA 1	TERRACE DEPOSITS	12-29-76	33.73	4.01	03-08-78	29.72
006N-020W-21 DCC 2	TERRACE DEPOSITS	12-29-76	31.05	4.98	03-08-78	26.07
006N-020W-23 CDC 1	TERRACE DEPOSITS	12-29-76	14.87	0.05	03-08-78	14.82
006N-020W-27 CCC 1	TERRACE DEPOSITS	12-29-76	22.99	3.83	03-08-78	19.16
006N-020W-35 DAA 1	TERRACE DEPOSITS	12-29-76	7.53	-0.02	03-08-78	7.55
007N-015W-14 BCC 1	TERRACE DEPOSITS	12-29-76	20.18	0.42	03-29-78	19.76

Table 1.--Water levels and water-level changes.--Continued

LATIMER COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
005N-019E-09 CBB 1	ANTLERS SAND	01-05-77	2.90	0.59	03-14-78	2.31

LEFLORE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
010N-024E-13 CCC 1	TERRACE DEPOSITS	01-05-77	21.14	-1.66	03-14-78	22.80

LINCOLN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
017N-002E-21 CDD 1	VAMOUSA FORMATION	03-29-77	26.63	-0.55	03-20-78	27.18

LOGAN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
016N-004W-03 ABB 1	TERRACE DEPOSITS	12-06-76	23.86	-2.42	01-05-78	26.28
017N-004W-15 CDD 1	TERRACE DEPOSITS	12-06-76	13.00	-1.10	01-05-78	14.10
017N-004W-19 ADD 1	TERRACE DEPOSITS	12-06-76	22.20	-0.20	01-05-78	22.40
017N-004W-27 CBB 1	TERRACE DEPOSITS	12-06-76	5.90	-1.40	01-05-78	7.30
017N-004W-27 CDC 2	TERRACE DEPOSITS	12-06-76	7.74	-1.29	01-05-78	9.03
017N-004W-31 CCC 1	TERRACE DEPOSITS	12-06-76	20.35	-1.02	01-05-78	21.37
017N-004W-34 ABB 1	TERRACE DEPOSITS	12-06-76	31.45	0.15	01-05-78	31.30
017N-004W-34 CCB 2	TERRACE DEPOSITS	12-06-76	48.31	*****		*****
017N-004W-34 CDC 3	TERRACE DEPOSITS		*****	*****		*****
017N-004W-34 DCC 4	TERRACE DEPOSITS	12-06-76	7.11	*****		*****

Table 1.--Water levels and water-level changes.--Continued

LUVIE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
008S-002W-16 DBB 1	TERRACE DEPOSITS	01-04-77	55.55	-1.80	03-07-78	57.35

MCCLAIN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
006N-001W-35 DBB 1	ALLUVIUM	12-21-76	11.38	-1.18	12-14-77	12.56
008N-003W-10 DDA 1	IOLA LIMESTONE	12-21-76	9.95	-1.71	12-14-77	11.66

MCCURTAIN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
006S-021E-27 AAA 1	IOLA LIMESTONE	01-05-77	73.41	0.91	03-15-78	72.50

MCINTOSH COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
008N-014E-05 AAB 1	TERRACE DEPOSITS	03-22-77	3.23	0.98	03-14-78	2.25

Table 1.--Water levels and water-level changes.--Continued

MAJOR COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
020N-009W-04 AAA 1	TERRACE DEPOSITS	12-09-76	13.80	-1.22	01-06-78	15.02
020N-009W-05 CCC 6	TERRACE DEPOSITS	12-09-76	11.74	-0.30	01-06-78	12.04
020N-009W-05 DDD 2	TERRACE DEPOSITS	12-09-76	11.82	-0.33	01-06-78	12.15
020N-009W-06 DBC 7	TERRACE DEPOSITS		*****	*****	01-06-78	10.18
020N-009W-07 BAA 7	TERRACE DEPOSITS	04-13-77	19.85	4.15	01-06-78	15.70
020N-010W-01 BBB 1	TERRACE DEPOSITS	12-09-76	9.73	-6.33	01-06-78	16.06
020N-010W-12 CDD 8	TERRACE DEPOSITS	04-13-77	19.07	-0.93C	01-06-78	20.00C
021N-009W-01 ADB 1	TERRACE DEPOSITS	12-15-76	10.53	2.46	01-06-78	8.07
021N-009W-06 CCC 1	TERRACE DEPOSITS	12-15-76	26.45	-0.09	01-06-78	26.54
021N-009W-10 DDD 1	TERRACE DEPOSITS	12-15-76	16.39		01-06-78	16.4
021N-009W-20 DDD 1	TERRACE DEPOSITS	12-15-76	12.07	-1.48	01-06-78	13.55
021N-009W-28 DDD 1	TERRACE DEPOSITS	04-13-77	18.64	-0.46	01-06-78	19.10
021N-009W-28 DDD 5	TERRACE DEPOSITS		*****	*****	01-06-78	17.70
021N-009W-30 ABB 1	TERRACE DEPOSITS	04-13-77	7.94	-0.23	01-06-78	8.17
021N-009W-34 BBC 1	TERRACE DEPOSITS	12-09-76	21.94	-1.54	01-06-78	23.48
021N-010W-16 CCD 1	TERRACE DEPOSITS	12-15-76	20.90	-0.60	01-05-78	21.50
021N-010W-21 DDD 1	TERRACE DEPOSITS	04-13-77	18.06	-5.44	01-05-78	23.50
022N-010W-31 BAA 1	TERRACE DEPOSITS	12-15-76	23.71	-0.57	01-05-78	24.28
022N-011W-23 DAA 1	TERRACE DEPOSITS	04-13-77	25.20	0.70	01-05-78	24.50
022N-011W-32 BAA 1	TERRACE DEPOSITS	12-15-76	19.69	0.79	01-05-78	18.90
023N-011W-19 DAA 1	TERRACE DEPOSITS	12-15-76	9.18	-0.29	01-05-78	9.47

MARSHALL COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
007S-006E-24 BBA 1	TERRACE DEPOSITS		*****	*****	03-07-78	113.65

Table 1.--Water levels and water-level changes.--Continued

MAYES COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977 DATE	DEPTH	WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978 DATE	DEPTH
021N-019E-35 BAB 1	MOOREFIELD FORMATION	03-22-77	27.86	9.36	03-21-78	18.50

MURRAY COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977 DATE	DEPTH	WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978 DATE	DEPTH
001N-004E-25 AAA 1	ARBUCKLE GROUP		*****	*****	03-16-78	117.83

MUSKOGEE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977 DATE	DEPTH	WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978 DATE	DEPTH
012N-020E-24 BAA 1	ALLUVIUM	01-06-77	11.72	-0.68	03-14-78	12.40

NOBLE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977 DATE	DEPTH	WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978 DATE	DEPTH
021N-001W-23 CBB 1	WELLINGTON FORMATION	04-22-77	15.95	-2.30	01-03-78	18.25

NOWATA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977 DATE	DEPTH	WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978 DATE	DEPTH
028N-017E-29 BCC 1	OOLOGAH FORMATION	03-23-77	5.25		03-21-78	L

Table 1.--Water levels and water-level changes.--Continued

UKFUSKEE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
013N-007E-20 BBC 1	VAMOOSA FORMATION	03-25-77	44.27	7.02	03-23-78	37.25

OKLAHOMA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
011N-002W-06 CAA 1	GARBER-WELLINGTON	03-09-77	140.00	57.00	03-22-78	83.00
011N-002W-08 ADC 1	GARBER-WELLINGTON	03-09-77	190.00	22.00	03-22-78	168.00
011N-002W-11 CBA 1	GARBER-WELLINGTON	01-04-77	202.90		03-24-78	A
011N-002W-15 BBB 1	GARBER-WELLINGTON	01-04-77	213.00	-39.50	03-24-78	252.50
011N-002W-23 ADC 1	GARBER-WELLINGTON	01-04-77	258.70		03-24-78	A
011N-003W-08 CBA 1	GARBER-WELLINGTON	12-16-76	268.00	0.25	03-21-78	267.75
012N-002W-13 BBB 1	GARBER-WELLINGTON	03-09-77	34.30	2.50	03-23-78	31.80
013N-003W-28 BBD 1	GARBER-WELLINGTON	12-28-76	222.30	15.00	03-21-78	207.30
013N-003W-31 DBC 1	GARBER-WELLINGTON	12-11-76	240.00	*****		*****
014N-003W-03 DCD 1	GARBER-WELLINGTON	12-15-76	84.75	2.65	03-15-78	82.10
014N-003W-17 CBC 1	GARBER-WELLINGTON	01-07-77	166.40	-9.80	03-16-78	176.20
014N-003W-25 DCC 1	GARBER-WELLINGTON	12-27-76	244.00		03-15-78	A
014N-003W-25 DDD 1	GARBER-WELLINGTON	12-27-76	194.00		03-15-78	A
014N-003W-26 DAC 1	GARBER-WELLINGTON	12-27-76	245.00	114.00	03-15-78	131.00

OKMULGEE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
014N-011E-06 DAA 1	COFFEYVILLE FORMATION	03-25-77	19.02	0.87	03-23-78	18.15

Table 1.--Water levels and water-level changes.--Continued

OSAGE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
021N-008E-12 CBD 1	TERRACE DEPOSITS		*****	*****	03-20-78	209.90

OTTAWA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
028N-023E-30 DBC 1	ROUBIDOUX	03-23-77	446.70	-4.10	03-21-78	450.80

PAWNEE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
024N-005E-35 ACA 1	TERRACE DEPOSITS		*****	*****	03-20-78	9.87

PAYNE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
018N-005E-35 DCC 1	WELLINGTON FORMATION	03-29-77	135.62	3.37	03-20-78	132.25
019N-001W-06 BBB 1	WELLINGTON FORMATION	04-22-77	11.20	-0.45	03-20-78	11.65

PITTSBURG COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
005N-015E-32 DDA 1	SAVANNA FORMATION	01-05-77	9.77	1.02	03-14-78	8.75

Table 1.--Water levels and water-level changes.--Continued

PONTOTOC COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
001N-006E-04 BCB 1	ARBUCKLE GROUP	01-03-77	63.76	-1.74	03-15-78	65.50

POTTAWATOMIE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
006N-002E-11 ADA 1	TERRACE DEPOSITS		*****	*****	03-16-78	40.70
009N-005E-08 CAA 1	TERRACE DEPOSITS		*****	*****	03-16-78	44.65

PUSHMATAHA COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
004S-016E-02 AAA 1	ANTLERS SAND	01-05-77	18.15	-0.45	03-15-78	18.60

ROGER MILLS COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
013N-023W-08 ABD 1	ALLUVIUM	12-22-76	17.59	8.19	03-09-78	9.40
014N-023W-16 AAB 1	ALLUVIUM	12-22-76	17.07	2.99	03-09-78	14.08
014N-023W-32 BDD 1	ALLUVIUM	12-22-76	33.78	*****		*****
015N-024W-36 CAC 1	ALLUVIUM	12-22-76	7.99	0.84	03-09-78	7.15

ROGERS COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
022N-017E-13 AAA 1	SENORA FORMATION	03-23-77	2.83		03-21-78	M

Table 1.--Water levels and water-level changes.--Continued

SEMINOLE COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
009N-006E-22 8DB 1	VAMOOSA FORMATION	12-20-76	448.50C	*****		*****
011N-008E-16 AAD 1	VAMOOSA FORMATION	12-20-76	17.64	12.14	03-14-78	5.50

SEQUOYAH COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
012N-021E-18 AAA 1	ALLUVIUM	01-06-77	15.09	0.19	03-22-78	14.90

STEPHENS COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
002N-007W-03 ACC 1	RUSH SPRINGS SANDSTONE	12-10-76	59.51		03-08-78	A

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
001S-010E-02 BBB 1	OGALLALA FORMATION	01-11-77	172.24	-7.15B	01-16-78	179.39B
001S-011E-03 AAA 1	OGALLALA FORMATION	01-11-77	K		01-16-78	M
001S-016E-06 AAA 1	OGALLALA FORMATION	01-11-77	248.69	-2.45	01-17-78	251.14
001N-010E-09 CBC 1	OGALLALA FORMATION	01-11-77	211.12	-1.43	01-16-78	212.55
001N-010E-12 DCD 1	OGALLALA FORMATION	01-11-77	162.83	-1.55	01-16-78	164.38
001N-010E-15 BCB 1	OGALLALA FORMATION	01-11-77	190.39	-2.27	01-16-78	192.66
001N-010E-32 CBA 1	OGALLALA FORMATION	01-11-77	265.55	-7.05	01-16-78	272.60
001N-011E-05 CBB 1	OGALLALA FORMATION	01-11-77	167.01	0.12	01-16-78	166.89
001N-011E-22 DDC 1	OGALLALA FORMATION	01-11-77	117.62		01-16-78	K
001N-011E-26 CBB 1	OGALLALA FORMATION	01-11-77	125.93	-0.58	01-16-78	126.51
001N-012E-06 DCD 1	ALLUVIUM	01-11-77	86.77	0.85	01-16-78	85.92
001N-012E-11 DBB 1	OGALLALA FORMATION	01-11-77	258.34	0.24	01-16-78	258.10
001N-012E-35 BDD 1	OGALLALA FORMATION	01-11-77	198.81	-0.93	01-16-78	199.74
001N-013E-01 BCB 2	OGALLALA FORMATION	01-10-77	K		01-16-78	180.49
001N-013E-10 BCB 1	OGALLALA FORMATION	01-10-77	179.65	-3.06	01-16-78	182.71
001N-013E-26 DBB 1	OGALLALA FORMATION	01-10-77	175.08	2.84	01-16-78	172.24
001N-014E-10 BDD 1	OGALLALA FORMATION	01-10-77	80.16	-4.21	01-17-78	84.37
001N-014E-31 CBB 1	OGALLALA FORMATION	01-10-77	225.30	2.24	01-16-78	223.06
001N-015E-19 BBB 1	OGALLALA FORMATION	01-11-77	180.30	-2.02	01-17-78	182.32
001N-015E-19 DAA 1	OGALLALA FORMATION	01-11-77	183.45	3.57	01-17-78	179.88
001N-015E-27 CCB 1	OGALLALA FORMATION	01-11-77	85.03	-1.36	01-17-78	86.39
001N-015E-32 CBB 1	OGALLALA FORMATION	01-11-77	212.64	-1.16	01-17-78	213.80
001N-016E-23 ABC 1	OGALLALA FORMATION	01-12-77	228.49	-3.55	01-17-78	232.04

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
001N-017E-01 CBC	1	OGALLALA FORMATION	01-12-77	126.62	-4.18	01-17-78	130.80
001N-017E-10 CCC	1	OGALLALA FORMATION	01-12-77	145.97	-0.14	01-17-78	146.11
001N-017E-19 CCC	1	OGALLALA FORMATION	01-12-77	187.43	-1.50	01-17-78	188.93
001N-017E-30 DBB	1	OGALLALA FORMATION	01-12-77	173.68	-3.88	01-17-78	177.56
001N-018E-13 CDC	1	OGALLALA FORMATION	01-12-77	13.75	0.21	01-17-78	13.54
001N-018E-34 BBA	1	OGALLALA FORMATION	01-12-77	73.53	0.18	01-17-78	73.35
001N-019E-30 ODD	1	OGALLALA FORMATION	01-12-77	K		01-17-78	K
002N-010E-20 BBD	1	OGALLALA FORMATION	01-11-77	217.53		01-16-78	A
002N-010E-28 BCB	1	OGALLALA FORMATION	01-11-77	178.36	-2.59	01-16-78	180.95
002N-011E-34 CCB	1	OGALLALA FORMATION	01-11-77	168.02	-0.54	01-16-78	168.56
002N-012E-25 DBB	1	OGALLALA FORMATION	01-10-77	266.92	-3.94	01-16-78	270.86
002N-012E-33 BAB	1	OGALLALA FORMATION		*****		01-16-78	M
002N-013E-13 CAA	1	OGALLALA FORMATION	01-10-77	184.44	-2.31	01-16-78	186.75
002N-013E-16 BBB	1	OGALLALA FORMATION	01-10-77	229.89	-15.64	01-16-78	245.53
002N-013E-32 CCC	1	OGALLALA FORMATION	01-10-77	217.71	-1.90	01-16-78	219.61
002N-014E-11 CBA	1	OGALLALA FORMATION	01-10-77	153.44	0.31	01-17-78	153.13
002N-014E-23 CBB	2	OGALLALA FORMATION	01-10-77	155.08	-3.64	01-17-78	158.72
002N-015E-09 BCB	1	OGALLALA FORMATION	01-13-77	K		01-17-78	276.94
002N-015E-15 BAA	1	OGALLALA FORMATION	01-10-77	259.92	-15.27C	01-17-78	275.19C
002N-016E-04 DBA	1	OGALLALA FORMATION	01-11-77	224.30	-6.93	01-17-78	231.23
002N-016E-07 BBB	1	OGALLALA FORMATION	01-11-77	289.42	0.22	01-17-78	289.20
002N-016E-08 AAA	1	OGALLALA FORMATION	01-11-77	242.66	-4.48	01-17-78	247.14
002N-016E-14 CBB	1	OGALLALA FORMATION	01-11-77	213.79	7.07	01-17-78	206.72

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
002N-017E-07 CCC	1	OGALLALA FORMATION	01-11-77	195.76	2.66	01-17-78	193.10
002N-017E-11 BDD	1	ALLUVIUM	01-12-77	12.40		01-17-78	M
002N-017E-15 ABB	1	ALLUVIUM	01-12-77	7.55	0.10	01-17-78	7.45
002N-017E-35 BBB	1	OGALLALA FORMATION	01-12-77	177.20	-0.27	01-17-78	177.47
002N-018E-03 BDC	1	OGALLALA FORMATION	01-12-77	3.57	0.12	01-18-78	3.45
002N-018E-08 BAD	1	OGALLALA FORMATION	01-11-77	95.94	2.71	01-17-78	93.23
002N-018E-11 DBB	1	OGALLALA FORMATION	01-12-77	79.18	0.43	01-17-78	78.75
002N-018E-14 OCD	1	OGALLALA FORMATION	01-12-77	K		01-17-78	159.80
002N-018E-27 BCC	1	OGALLALA FORMATION	01-12-77	153.98	2.77	01-17-78	151.21
002N-018E-30 CBB	1	OGALLALA FORMATION	01-12-77	183.19	10.21	01-17-78	172.98
002N-018E-34 CBB	1	OGALLALA FORMATION	01-12-77	116.52	6.18	01-17-78	110.34
002N-019E-07 CAA	1	OGALLALA FORMATION	01-12-77	56.32	0.33	01-17-78	55.99
003N-010E-11 BBB	2	OGALLALA FORMATION	01-11-77	124.73	0.03	01-16-78	124.70
003N-010E-19 CDC	1	OGALLALA FORMATION	01-11-77	220.14	0.35	01-16-78	219.79
003N-010E-24 BBB	1	OGALLALA FORMATION	01-11-77	183.61	-0.59	01-16-78	184.20
003N-011E-18 CBC	1	OGALLALA FORMATION	01-11-77	158.35	0.38	01-16-78	157.97
003N-013E-02 CDD	1	OGALLALA FORMATION	01-11-77	62.89	0.80	01-16-78	62.09
003N-015E-26 CBB	1	OGALLALA FORMATION	01-12-77	209.52	-1.66	01-18-78	211.18
003N-016E-03 BBC	1	OGALLALA FORMATION	01-12-77	K		01-18-78	M
003N-016E-16 ABB	1	ALLUVIUM	01-12-77	16.50	0.12	01-18-78	16.38
003N-016E-23 AAB	1	OGALLALA FORMATION	01-12-77	114.09	-2.84	01-18-78	116.93
003N-016E-28 AAD	1	OGALLALA FORMATION	01-12-77	120.02	0.09	01-18-78	119.93
003N-017E-06 BAB	1	OGALLALA FORMATION	01-12-77	90.20		01-18-78	M

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
003N-017E-13 CBB	1	OGALLALA FORMATION	01-12-77	86.01	-0.44	01-18-78	86.45
003N-017E-36 BDD	1	OGALLALA FORMATION	01-12-77	94.44	0.17	01-17-78	94.27
003N-018E-07 ABB	1	OGALLALA FORMATION	01-12-77	K		01-18-78	131.69
003N-019E-02 BBC	1	OGALLALA FORMATION	01-12-77	96.13	-2.10	01-18-78	98.23
004N-010E-18 CCB	1	DOCKUM GROUP	01-13-77	215.40		02-01-78	K
004N-010E-31 ABB	1	DOCKUM GROUP	01-13-77	231.39	10.45	01-16-78	220.94
004N-011E-04 DBD	1	DOCKUM GROUP	01-13-77	179.98	-10.06C	01-17-78	190.04C
004N-011E-10 BBB	1	DOCKUM GROUP	01-13-77	159.81		01-17-78	A
004N-012E-03 DDD	1	OGALLALA FORMATION	01-13-77	137.99	2.93	01-17-78	135.06
004N-013E-27 ACD	1	OGALLALA FORMATION	01-13-77	116.15	-0.04	01-19-78	116.19
004N-014E-03 DBB	1	OGALLALA FORMATION	01-10-77	212.92	-1.06	01-17-78	213.98
004N-014E-05 BBC	1	OGALLALA FORMATION	01-10-77	178.69	*****		*****
004N-014E-14 ADD	1	OGALLALA FORMATION	01-13-77	180.10	-2.77	01-17-78	182.87
004N-015E-09 ADD	1	OGALLALA FORMATION	01-11-77	210.40	17.12	01-17-78	193.28
004N-015E-11 BDA	1	OGALLALA FORMATION	01-12-77	166.48	-2.19	01-19-78	168.67
004N-015E-15 CAB	1	OGALLALA FORMATION	01-11-77	187.47	0.18	01-17-78	187.29
004N-015E-17 ABB	1	OGALLALA FORMATION	01-11-77	218.89	1.53	01-17-78	217.36
004N-015E-25 DBB	1	OGALLALA FORMATION	01-12-77	156.51	-3.18	01-19-78	159.69
004N-015E-28 ACC	1	OGALLALA FORMATION	01-11-77	186.22	-1.72	01-17-78	187.94
004N-016E-05 CCB	1	OGALLALA FORMATION	01-12-77	141.42	-3.28	01-19-78	144.70
004N-016E-17 BAD	1	OGALLALA FORMATION	01-12-77	116.69	-2.53	01-19-78	119.22
004N-016E-22 DCB	1	OGALLALA FORMATION	01-12-77	K		01-19-78	122.10
004N-016E-29 BBB	1	OGALLALA FORMATION	01-11-77	133.51	-0.73	01-19-78	134.24

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
004N-017E-03 CBC 1	OGALLALA FORMATION	01-13-77	128.98	1.20	01-19-78	127.78
004N-017E-14 CCD 1	OGALLALA FORMATION	01-13-77	140.55	-16.71	01-19-78	157.26
004N-017E-21 AAA 1	OGALLALA FORMATION	01-13-77	153.28	-14.03	01-19-78	167.31
004N-017E-23 AAA 1	OGALLALA FORMATION	01-13-77	141.30	-6.49	01-19-78	147.79
004N-017E-33 ADD 1	OGALLALA FORMATION	01-13-77	155.36	1.92	01-19-78	153.44
004N-018E-13 CCD 1	OGALLALA FORMATION	01-13-77	114.54	-3.42	01-19-78	117.96
004N-018E-25 CBB 1	OGALLALA FORMATION	01-13-77	110.82	-2.37	01-19-78	113.19
004N-018E-26 BCA 1	OGALLALA FORMATION	01-13-77	112.39	-4.53	01-19-78	116.92
004N-019E-22 CBC 1	OGALLALA FORMATION	01-13-77	103.71		01-19-78	F
004N-019E-27 ADD 1	OGALLALA FORMATION	01-13-77	98.01	*****		*****
005N-010E-07 BCC 1	OGALLALA FORMATION	01-13-77	212.76	-9.93	01-16-78	222.69
005N-011E-16 BCB 1	OGALLALA FORMATION	01-13-77	223.21	-12.62	01-17-78	235.83
005N-012E-06 BAA 1	OGALLALA FORMATION	01-13-77	230.80	-25.84	01-16-78	256.64
005N-012E-16 BBB 1	OGALLALA FORMATION	01-13-77	229.59	-10.70	01-17-78	240.29
005N-013E-01 CBA 1	OGALLALA FORMATION	01-11-77	273.84	-36.20	01-17-78	310.04
005N-013E-04 CBB 1	OGALLALA FORMATION	01-11-77	269.38	-8.89	01-17-78	278.27
005N-013E-08 BBB 1	OGALLALA FORMATION	01-13-77	251.52	-2.24	01-17-78	253.76
005N-013E-14 DBB 1	OGALLALA FORMATION	01-11-77	251.15	6.89	01-17-78	244.26
005N-014E-01 ABB 1	OGALLALA FORMATION	01-12-77	232.99	-3.85	01-17-78	236.84
005N-014E-10 CBB 1	OGALLALA FORMATION	01-12-77	241.00	8.45	01-17-78	232.55
005N-014E-31 ACC 1	OGALLALA FORMATION	01-11-77	232.14	37.22	01-17-78	194.92
005N-015E-08 CDD 1	OGALLALA FORMATION	01-12-77	200.25		01-17-78	K
005N-015E-11 CAB 1	OGALLALA FORMATION	01-13-77	195.98	-2.27	01-19-78	198.25

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
005N-015E-14 CBA	1	OGALLALA FORMATION	01-13-77	174.81	-2.55	01-19-78	177.36
005N-015E-20 DAB	1	OGALLALA FORMATION	01-12-77	166.01	-14.17	01-17-78	180.18
005N-016E-05 AAA	1	OGALLALA FORMATION	01-13-77	140.86	6.99	01-19-78	133.87
005N-016E-18 DDC	2	OGALLALA FORMATION	01-13-77	F		01-19-78	M
005N-017E-01 ADA	1	OGALLALA FORMATION	01-13-77	78.75	-0.83	01-19-78	79.58
005N-017E-09 UDA	1	OGALLALA FORMATION	01-13-77	108.37	-1.27	01-19-78	109.64
005N-017E-11 OCC	1	OGALLALA FORMATION	01-13-77	104.69	-1.43	01-19-78	106.12
005N-017E-17 CBA	1	OGALLALA FORMATION	01-13-77	127.14	-4.04	01-19-78	131.18
005N-017E-27 ABC	1	OGALLALA FORMATION	01-13-77	121.56	0.35	01-19-78	121.21
005N-018E-02 DBB	1	OGALLALA FORMATION	01-12-77	140.70	4.60	01-18-78	136.10
005N-019E-04 DBA	1	OGALLALA FORMATION	01-12-77	98.50	0.56	01-19-78	97.94
005N-019E-29 DAA	1	OGALLALA FORMATION	01-13-77	146.37	18.19	01-18-78	128.18
006N-010E-18 BBB	1	OGALLALA FORMATION	01-13-77	205.28	8.14	01-16-78	197.14
006N-010E-23 ADA	1	OGALLALA FORMATION	01-13-77	254.98		01-16-78	K
006N-010E-30 CCC	1	OGALLALA FORMATION	01-13-77	239.51	12.72	01-16-78	226.79
006N-010E-36 DBB	1	OGALLALA FORMATION	01-13-77	302.60	-4.42	01-16-78	307.02
006N-011E-17 CBC	1	OGALLALA FORMATION	01-13-77	278.81	-12.20	01-16-78	291.01
006N-011E-25 BCC	1	OGALLALA FORMATION	01-13-77	282.12	-5.76	01-16-78	287.88
006N-011E-26 BCB	2	OGALLALA FORMATION	01-13-77	273.84	-12.10	01-16-78	285.94
006N-012E-21 CCC	1	OGALLALA FORMATION	01-13-77	272.20		01-16-78	K
006N-012E-36 CCC	1	OGALLALA FORMATION		*****		01-16-78	K
006N-013E-16 ACC	1	OGALLALA FORMATION	01-11-77	298.80		01-16-78	K
006N-013E-20 ODA	1	OGALLALA FORMATION	01-11-77	303.08	-15.51	01-16-78	318.59

Table 1.--Water levels and water-level changes.--Continued

TEXAS COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
006N-013E-30 CBB	1	OGALLALA FORMATION	01-11-77	275.98	34.82	01-16-78	241.16
006N-014E-21 ACB	1	OGALLALA FORMATION	01-12-77	238.28	10.24	01-17-78	228.04
006N-014E-33 DAB	1	OGALLALA FORMATION	01-11-77	261.64	-22.12	01-17-78	283.76
006N-014E-35 CBB	1	OGALLALA FORMATION	01-11-77	250.51	10.35	01-17-78	240.16
006N-015E-14 BAA	1	OGALLALA FORMATION	01-13-77	128.55	-2.73	01-18-78	131.28
006N-015E-29 BBB	2	OGALLALA FORMATION	01-12-77	118.56	4.67	01-19-78	113.89
006N-015E-30 ACC	1	OGALLALA FORMATION	01-12-77	205.37	0.74	01-17-78	204.63
006N-016E-20 BAA	1	OGALLALA FORMATION	01-12-77	140.27	-0.24	01-19-78	140.51
006N-016E-27 ACC	1	OGALLALA FORMATION	01-12-77	89.93	-5.02	01-19-78	94.95
006N-017E-14 DBB	1	OGALLALA FORMATION	01-13-77	116.44	-6.83	01-19-78	123.27
006N-017E-23 CBC	1	OGALLALA FORMATION	01-13-77	103.05	-0.93	01-19-78	103.98
006N-017E-28 CCD	1	OGALLALA FORMATION	01-13-77	111.19	-2.16	01-18-78	113.35
006N-017E-34 DDD	1	OGALLALA FORMATION	01-13-77	91.42	-0.87	01-19-78	92.29
006N-018E-28 CDD	1	OGALLALA FORMATION	01-13-77	75.00		01-19-78	K
006N-018E-30 ADD	1	OGALLALA FORMATION	01-13-77	88.27	0.59	01-19-78	87.68
006N-019E-15 CCC	1	OGALLALA FORMATION	01-12-77	89.27	-0.09	01-19-78	89.36

Table 1.--Water levels and water-level changes.--Continued

TILLMAN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
001S-017W-06 COD 1	TERRACE DEPOSITS	03-08-77	15.36	0.08	03-28-78	15.28
001S-017W-10 UCC 1	TERRACE DEPOSITS		*****	*****	03-28-78	22.98
001S-017W-23 CCC 1	TERRACE DEPOSITS		*****	*****	03-28-78	23.20
001S-017W-28 DAA 1	TERRACE DEPOSITS		*****	*****	03-28-78	15.50
001S-017W-30 OCC 1	TERRACE DEPOSITS		*****	*****	03-28-78	15.70
001S-017W-33 AAA 1	TERRACE DEPOSITS		*****	*****	03-06-78	22.87
001S-017W-36 BCC 1	TERRACE DEPOSITS		*****	*****	03-06-78	27.39
001S-018W-04 DCD 1	TERRACE DEPOSITS	03-08-77	10.27	1.00	03-28-78	9.27
001S-018W-19 ADD 1	TERRACE DEPOSITS	03-08-77	12.50		03-28-78	K
001S-019W-03 AAD 1	TERRACE DEPOSITS	03-09-77	30.85	1.30	03-28-78	29.55
001S-019W-06 DAB 1	TERRACE DEPOSITS		*****	*****	03-28-78	6.15
001S-019W-09 BBA 1	TERRACE DEPOSITS	03-09-77	10.20	1.05	03-28-78	9.15
001S-019W-15 AAA 1	TERRACE DEPOSITS	03-09-77	34.63		03-28-78	L
001S-019W-25 DAB 1	TERRACE DEPOSITS	03-08-77	22.09	1.50	03-28-78	20.59
001S-019W-27 ABB 1	TERRACE DEPOSITS	03-09-77	24.05	1.65	03-28-78	22.40
001S-019W-28 ODD 1	TERRACE DEPOSITS		*****	*****	03-28-78	11.60
001S-019W-36 CBB 1	TERRACE DEPOSITS	03-08-77	28.64	2.04	03-28-78	26.60
002S-017W-04 DCB 1	TERRACE DEPOSITS		*****	*****	03-06-78	51.18
002S-017W-15 CCB 1	TERRACE DEPOSITS		*****	*****	03-28-78	43.12
002S-018W-04 AAA 1	TERRACE DEPOSITS		*****	*****	03-28-78	16.12
002S-019W-02 ABB 1	TERRACE DEPOSITS		*****	*****	03-28-78	26.00
002S-019W-13 BCC 1	TERRACE DEPOSITS	03-07-77	36.07	0.49	03-28-78	35.58
003S-017W-29 CAB 1	TERRACE DEPOSITS	03-08-77	7.65	-0.75	03-28-78	8.40

Table 1.--Water levels and water-level changes.--Continued

TILLMAN COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
003S-018W-21 BAA 1	TERRACE DEPOSITS	03-08-77	25.82	3.52	03-28-78	22.30
003S-018W-32 DDA 2	TERRACE DEPOSITS	03-08-77	30.19	0.59	03-28-78	29.60
003S-019W-22 AAA 1	TERRACE DEPOSITS	03-08-77	27.27	0.52	03-28-78	26.75
001N-018W-01 CBA 1	TERRACE DEPOSITS	03-09-77	12.45	0.12	03-28-78	12.33
001N-018W-11 CBB 1	TERRACE DEPOSITS		*****	*****	03-28-78	14.46
001N-018W-11 CCA 1	TERRACE DEPOSITS	03-09-77	14.11	*****		*****
001N-018W-16 DDB 1	TERRACE DEPOSITS	03-09-77	19.79	-0.21	03-28-78	20.00
001N-018W-29 DDD 1	TERRACE DEPOSITS	03-09-77	24.35	0.13	03-28-78	24.22
001N-019W-24 AAB 1	TERRACE DEPOSITS	03-09-77	26.73	-4.77	03-28-78	31.50
001N-019W-26 DBB 3	TERRACE DEPOSITS	03-09-77	21.82	1.37	03-28-78	20.45
002N-017W-19 DDA 1	TERRACE DEPOSITS	03-09-77	24.36	0.06	03-28-78	24.30

WAGONER COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
016N-018W-15 AAA 1	ALLUVIUM	03-22-77	8.19	0.74	03-22-78	7.45

WASHINGTON COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
027N-013E-13 CBB 1	WANN FORMATION	03-24-77	13.34	1.46	03-12-78	11.88

Table 1.--Water levels and water-level changes.--Continued

WASHITA COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
009N-014W-07 BAA	1	RUSH SPRINGS SANDSTONE	12-21-76	19.66	-0.14	01-11-78	19.80
009N-014W-27 DCD	1	RUSH SPRINGS SANDSTONE	12-21-76	95.71		01-11-78	L
010N-014W-02 AAC	1	RUSH SPRINGS SANDSTONE	12-20-76	63.50	5.15	01-11-78	58.35
010N-014W-22 ADD	1	RUSH SPRINGS SANDSTONE	12-21-76	5.58	-0.32	01-11-78	5.90
010N-015W-04 DBD	1	RUSH SPRINGS SANDSTONE	12-21-76	22.67	-0.28	01-11-78	22.95
011N-014W-05 BAA	1	RUSH SPRINGS SANDSTONE	12-21-76	34.82	-2.63	01-11-78	37.45

WOODS COUNTY

WELL LOCATION		PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
			DATE	DEPTH		DATE	DEPTH
023N-013W-17 CBH	1	TERRACE DEPOSITS	03-10-77	7.10	1.82	03-06-78	5.28
024N-014W-23 ODD	1	TERRACE DEPOSITS	03-10-77	31.76	-0.04	03-06-78	31.80
025N-015W-29 CAB	1	TERRACE DEPOSITS	03-10-77	39.76	0.31	03-06-78	39.45

Table 1.--Water levels and water-level changes.--Continued

HOODWARD COUNTY

WELL LOCATION	PRINCIPAL AQUIFER	WATER LEVEL 1977		WATER LEVEL CHANGE 1977-78	WATER LEVEL 1978	
		DATE	DEPTH		DATE	DEPTH
020N-017W-05 CDC 1	TERRACE DEPOSITS	01-13-77	6.20	0.90	03-07-78	5.30
020N-019W-01 BAA 1	TERRACE DEPOSITS	01-13-77	97.79	1.19	03-07-78	96.60
020N-020W-36 BBA 1	TERRACE DEPOSITS		*****		01-11-78	M
021N-018W-27 BCB 1	TERRACE DEPOSITS	01-13-77	36.60		03-07-78	A
021N-019W-12 BBD 1	TERRACE DEPOSITS	01-13-77	9.20	0.95	03-07-78	8.25
021N-021W-12 CBB 1	TERRACE DEPOSITS	01-14-77	15.64	0.29	03-07-78	15.55
022N-018W-33 CCC 1	TERRACE DEPOSITS	01-13-77	23.45	0.45	03-07-78	23.00
022N-020W-25 BBA 1	TERRACE DEPOSITS	01-13-77	4.69	1.20	03-07-78	3.49
022N-022W-02 ABA 1	TERRACE DEPOSITS		*****	*****	03-08-78	43.25
022N-022W-19 CCC 1	TERRACE DEPOSITS	01-13-77	29.30	11.20	03-07-78	18.10
022N-022W-34 DDA 1	TERRACE DEPOSITS		*****	*****	03-08-78	42.00
023N-019W-22 AAC 1	TERRACE DEPOSITS	01-13-77	41.49	-0.57	03-07-78	42.06
023N-020W-05 BBA 1	TERRACE DEPOSITS	01-13-77	32.96	0.06	03-07-78	32.90
023N-020W-19 CBB 1	TERRACE DEPOSITS	01-13-77	5.55	0.55	03-07-78	5.00
024N-020W-18 CCC 1	TERRACE DEPOSITS		*****	*****	03-08-78	43.10
024N-022W-10 CCC 1	TERRACE DEPOSITS	01-13-77	13.87	0.72	03-07-78	13.15

