

W1125.7
R299
#254

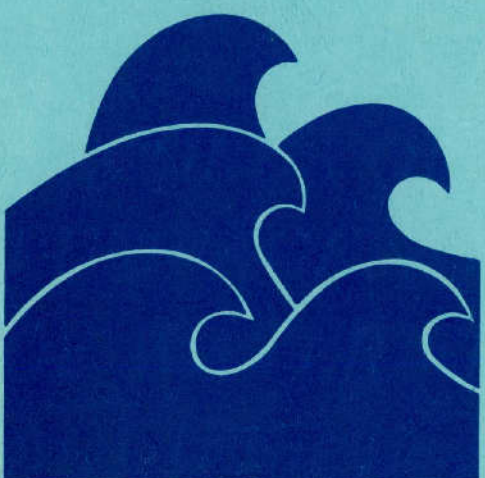
Report 254

*RECORDS OF WELLS, WATER LEVELS,
PUMPAGE, AND CHEMICAL ANALYSES
OF WATER FROM THE CARRIZO
AQUIFER IN THE WINTER GARDEN
AREA, TEXAS, 1970 THROUGH 1977*

Government Documents

OCT 16 1980

Dallas Public Library





TEXAS DEPARTMENT OF WATER RESOURCES

REPORT 254

**RECORDS OF WELLS, WATER LEVELS, PUMPAGE, AND CHEMICAL
ANALYSES OF WATER FROM THE CARRIZO AQUIFER IN THE WINTER
GARDEN AREA, TEXAS, 1970 THROUGH 1977**

By

**Glenward R. Elder, Gail L. Duffin,
and Eulogio Rodriguez, Jr.**

September 1980

TEXAS DEPARTMENT OF WATER RESOURCES

Harvey Davis, Executive Director

TEXAS WATER DEVELOPMENT BOARD

Louis A. Beecherl Jr., Chairman
George W. McCleskey
Glen E. Roney

John H. Garrett, Vice Chairman
W. O. Bankston
Lonnie A. "Bo" Pilgrim

TEXAS WATER COMMISSION

Felix McDonald, Chairman

Dorsey B. Hardeman, Commissioner

Joe R. Carroll, Commissioner

Authorization for use or reproduction of any original material contained in this publication, i.e., not obtained from other sources, is freely granted. The Department would appreciate acknowledgement.

Published and distributed
by the
Texas Department of Water Resources
Post Office Box 13087
Austin, Texas 78711

TABLE OF CONTENTS

	Page
INTRODUCTION	1
Purpose and Scope	1
Location and Extent of Area	1
Well-Numbering System	1
Metric Conversions	2
PRESENTATION OF DATA	2
Ground-Water Pumpage	2
Records of New Wells	3
Water Levels	3
Chemical Quality	4
SELECTED REFERENCES	5

TABLES

1. Estimated Use of Ground Water for Irrigation, Public Supply, and Industrial Purposes From the Carrizo-Wilcox, Queen City-Bigford, and Sparta-Laredo Aquifers, 1975	3
2. Records of Wells Drilled Between Spring 1970 and Spring 1977	7
3. Water Levels in Selected Wells	31
4. Chemical Analyses of Water From Selected Wells	75

FIGURES

1. Map of Texas Showing Location and Extent of the Winter Garden Area and the Winter Garden District	1
2. Chart Showing Approximate Pumpage From the Carrizo Aquifer for Irrigation, Public Supply, and Industrial Use, 1930-75	3

TABLE OF CONTENTS--Continued

	Page
3. Map Showing Approximate Altitude of Water Levels in the Carrizo Aquifer, Spring 1976	121
4. Map Showing Approximate Net Change in Water Levels in the Carrizo Aquifer, 1929-30 to 1976	123
5. Map Showing Approximate Net Change in Water Levels in the Carrizo Aquifer, 1970 to 1976	125
6. Map Showing Location of Selected Wells in the Winter Garden Area	127

RECORDS OF WELLS, WATER LEVELS, PUMPAGE, AND CHEMICAL ANALYSES OF WATER FROM THE CARRIZO AQUIFER IN THE WINTER GARDEN AREA, TEXAS 1970 THROUGH 1977

INTRODUCTION

Purpose and Scope

The primary objectives of this study are: (a) to update records in the ground-water pumpage and water level monitoring programs for refinement of the digital computer model of the Carrizo aquifer which is used to evaluate the aquifer's response to pumping and the probable future ground-water conditions; and (b) to continue the water quality monitoring program.

Collection of basic data, in addition to the above, included the inventory of high capacity wells drilled between the Spring of 1970 and the Spring of 1977. The data presented in this report are supplementary to those in Texas Water Development Board Report 210, Volumes I and II.

This report was prepared under the general direction of C. R. Baskin, director, Data and Engineering Services Division and Tommy R. Knowles, chief, Data Collection and Evaluation Section.

Location and Extent of Area

The area covered by this report, which is referred to as the Winter Garden area, is the area southwest of the San Marcos River in which the Carrizo aquifer contains fresh to slightly saline water. It consists of all or parts of Atascosa, Bexar, Caldwell, Dimmit, Frio, Gonzales, Guadalupe, Karnes, La Salle, Live Oak, McMullen, Maverick, Medina, Uvalde, Webb, Wilson, and Zavala Counties. Although the maps in this report extend east of the San Marcos River, all numbers in the report concerning volume of ground water apply only to areas west of the San Marcos River. The Winter

Garden Area (west of the San Marcos River) consists of approximately 11,800 square miles (30,600 km²) and represents about 4.5 percent of the state's total area. Within the Winter Garden area is the Winter Garden district, an irrigated region which produces vegetables in late Winter and early Spring in Dimmit, Zavala, and eastern Maverick Counties (Figure 1).

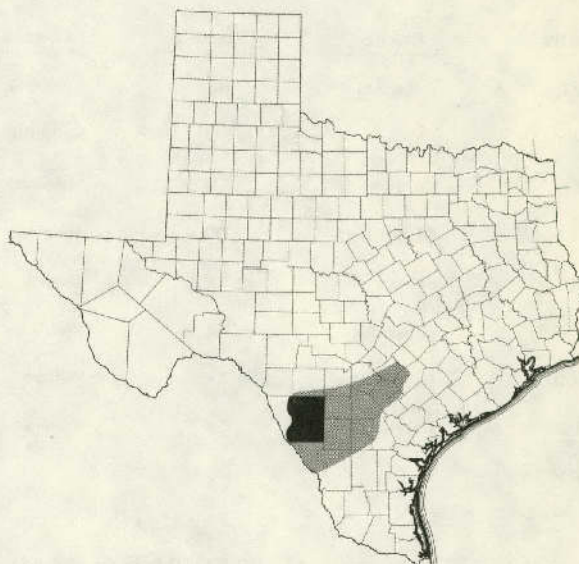


Figure 1.—Location and Extent of the Winter Garden Area and the Winter Garden District

WELL-NUMBERING SYSTEM

The well-numbering system used in this report is one adopted by the Texas Department of Water Resources for use throughout the state. This system facilitates the location of wells and prevents duplication of well numbers in present and future studies. Each well is assigned a seven-digit number which is derived by using the following system

The state is divided into 1-degree quadrangles of latitude and longitude which are numbered 01 through 89. These are the first two digits in the well number. Each 1-degree quadrangle is divided into 7½-minute quadrangles which are given two-digit numbers from 01 to 64. These are the third and fourth digits of the well number. Each 7½-minute quadrangle is divided into 2½-minute quadrangles which are given a single-digit number from 1 to 9. This is the fifth digit of the well number. Finally, each well within a 2½-minute quadrangle is given a two-digit number in the order in which it was inventoried, starting with 01. These are the last two digits of the well number.

On the well location map (Figure 6), only the last three digits are shown at each well location; the second two digits are shown in the northwest corner of each 7½-minute quadrangle; and the first two digits are shown by the large block numerals.

In addition to the seven-digit well number, a two-letter prefix is used to identify the county. The prefixes for the counties entirely or partially covered by this report are:

<u>Prefix</u>	<u>County</u>	<u>Prefix</u>	<u>County</u>
AL	Atascosa	SJ	Live Oak
AY	Bexar	SU	McMullen
BU	Caldwell	TB	Maverick
HZ	Dimmit	TD	Medina
KB	Frio	YP	Uvalde
KR	Gonzales	YZ	Webb
KX	Guadalupe	ZL	Wilson
PZ	Karnes	ZX	Zavala
RX	La Salle		

For example, well AL 68-51-404 is in Atascosa County (AL); 1-degree quadrangle 68; 7½-minute quadrangle 51; 2½-minute quadrangle 4; and was the fourth well inventoried in that 2½ minute quadrangle.

Metric Conversions

For those readers interested in using the International System (SI) of Units, the metric equivalents of English units of measurements are given in parentheses in the text. The English units used in this report may be converted to metric units by the following conversion factors:

<u>From English Units</u>	<u>Multiply By</u>	<u>To Obtain Metric Units</u>
acre-feet	0.00123	cubic hectometers (hm ³)
feet (ft)	0.3048	meters (m)
gallons per minute gal/min	0.0631	liters per second (l/s)
inches (in)	2.540	centimeters (cm)
square miles (mi ²)	2.590	square kilometers (km ²)

To convert degrees Fahrenheit to degrees Celsius are the following formula

$$^{\circ}\text{C} = 0.556 (^{\circ}\text{F} - 32)$$

PRESENTATION OF DATA

Ground-Water Pumpage

Information on pumpage from the Carrizo aquifer during 1970-75 is based in part on questionnaires mailed annually by the Texas Department of Water Resources to municipalities and industries. The following procedure was used to estimate the amount of irrigation pumpage: (1) the annual number of cubic feet of natural gas and kilowatt-hours of electricity supplies to the irrigated farms from 1970 through 1975 was obtained from natural gas companies, power companies, and electrical cooperatives; (2) power and yield tests were conducted on selected irrigation wells to determine the average number of gallons produced per cubic foot and kilowatt hour; (3) the average number of gallons produced per cubic foot and kilowatt-hour was multiplied by the total number of cubic feet and kilowatt-hours supplied by natural gas companies, power companies, and electrical cooperatives to determine the approximate annual irrigation pumpage. Where power information was not available for individual irrigation wells, estimates of pumpage were made using empirical judgements based on weather, pump horsepower, and the individual's farming history.

Most of the water pumped from the Carrizo aquifer is used for irrigation. Zavala County used the largest quantity for irrigation in 1970 and Frio County used the largest amount during the period 1971 to 1975. Estimated use of ground water for irrigation, public supply, and industrial purposes from the Carrizo-Wilcox, Queen City-Bigford, and Sparta-Laredo aquifers during 1975 is shown in Table 1. About 279,000 acre-feet (344 hm³) of ground water was produced from these

aquifers and about 94 percent was pumped from the Carrizo aquifer. Figure 2 shows the approximate pumpage from the Carrizo aquifer during the period

1930-1975 for irrigation, public supply, and industrial purposes in the Winter Garden district and the Winter Garden area.

Table 1.—Estimated Use of Ground Water for Irrigation, Public Supply, and Industrial Purposes From the Carrizo-Wilcox, Queen City-Bigford, and Sparta Laredo Aquifers, 1975

Aquifer	Pumpage, in acre-feet			
	Public supply	Industrial	Irrigation	Total*
Carrizo-Wilcox	—	—	—	269,000
a) Carrizo	11,200	4,150	248,000	—
b) Wilcox	2,760	232	2,440	—
Queen City-Bigford	5,020	12	4,500	9,530
Sparta-Laredo	280	—	167	447
			Total	279,000

*Figures are approximate because some of the pumpage is estimated. Numbers are rounded to three significant figures. In addition to the amounts shown in the table, approximately 2,570 acre-feet was lost from uncontrolled flowing wells and approximately 13,800 acre-feet was used for domestic and livestock purposes from these aquifers.

Records of New Wells

Table 2 is a tabulation of well data for selected wells drilled between the Spring of 1970 and the Spring of 1977. Well locations are shown on Figure 6.

Water Levels

Water levels are presented in tabular form in Table 3, and the locations of the wells from which the water-level measurements were taken are shown on the well location map (Figure 6). The reader is referred to Texas Water Development Board Report 210, Volume II for descriptive data on those wells not listed in Table 2 of this report. The approximate altitude of water levels in wells measured in the Spring of 1976 are shown on Figure 3. The approximate change in water levels from 1929-30 to 1976 and from 1970 to 1976 are shown on Figures 4 and 5, respectively. Figure 4 shows that water levels have declined about 320 feet (98 m) in Zavala County northeast of Crystal City during the period 1929-30 to 1976. From 1970 to 1976 the largest water-level declines occurred in Zavala County in the area between La

Pryor Batesville, and Crystal City. The declines as indicated by Figure 5 generally range from less than 20 feet (6 m) to over 80 feet (24 m). For the same time period, water levels have risen in most of the central and eastern parts of Dimmit County.

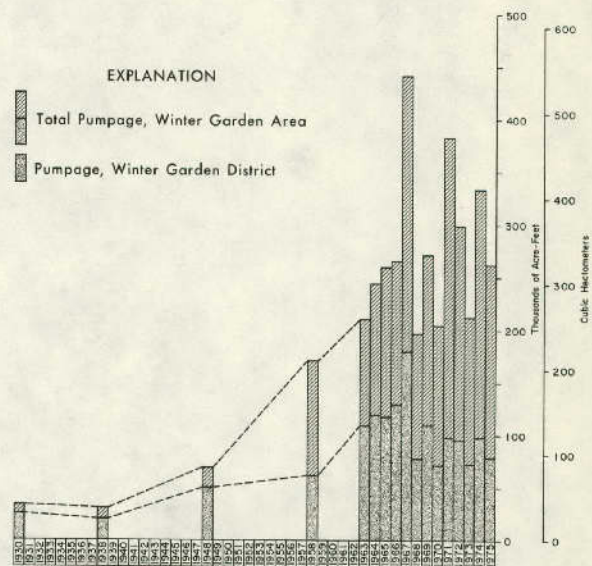


Figure 2.—Approximate Pumpage From the Carrizo Aquifer for Irrigation, Public Supply, and Industrial Use, 1930-75

Chemical Quality

A tabulation of chemical analyses is presented in Table 4, and the locations of the wells from which ground-water samples were collected are shown on the well location map (Figure 6). The reader is referred to Texas Water Development Board Report 210, Volume II

for descriptive data on those wells not listed in Table 2 of this report.

There have been no significant changes in the ground-water quality except on a local basis. Several wells in the Winter Garden district have experienced leaks in the casing which allowed undesirable water to enter the wells; however, remedial actions taken by the well owners eliminated the problems.

SELECTED REFERENCES

Bureau of Economic Geology, 1974a, Geologic atlas of Texas, San Antonio sheet: Univ. of Texas at Austin, Bur. Econ. Geology map.

_____, 1974b, Geologic atlas of Texas, Seguin sheet: Univ. of Texas at Austin, Bur. Econ. Geology map.

_____, 1976, Geologic atlas of Texas, Crystal City-Eagle Pass sheet: Univ. of Texas at Austin, Bur. Econ. Geology map.

Klemt, W. B., Duffin, G. L., and Elder, G. R., 1976, Ground-water resources of the Carrizo aquifer in

the Winter Garden area of Texas: Texas Water Development Board Rept. 210, v. I, 73 p.

Marquardt, G. L. and Rodriguez, Eulogio, Jr., 1977, Ground-water resources of the Carrizo aquifer in the Winter Garden area of Texas: Texas Water Development Board Rept. 210, v. II, 467 p.

Mason, C. C., 1960, Geology and ground-water resources of Dimmit County, Texas: Texas Board Water Engineers Bull. 6003, 234 p.

ATASCOSA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977

All wells are drilled unless otherwise noted in remarks column.
 Water Level : Reported water levels given in feet; measured water levels given to the nearest tenth or hundredth of a foot.
 Method of lift and type of power: C, cylinder; cf, centrifugal; E, electric; G, gasoline, butane, or diesel engine; H, hand; N, none; Ng, natural gas; Sub, submersible;
 T, turbine; W, windmill. Number indicates horsepower.
 Use of water : D, domestic; Ind, industrial; Irr, irrigation; N, none; P, public supply; S, livestock.
 Water-bearing unit : Kmb, Edwards and associated limestones (Balcones Fault Zone aquifer); Twi, Wilcox Group; Tc, Carrizo Sand; Tb, Bigford Member; Tep, El Pico Clay; Tqc, Queen City Sand; Tla, Laredo Formation; Ts, Sparta Sand; Tms, Mount Selman Formation; Tm, Cook Mountain Formation; Ty, Yegua Formation; Tj, Jackson Group; Tct, Catahoula Tuff; Tok, Oakville Sandstone; Qle, Leona Formation.

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
AL-68-51-404	Martin Farms	Strickers Water Well Service	1971	500	8	500	Twi	700	--	--	Sub, H	Irr	Slotted from 40 to 500 ft. Pump set at 400 ft. Reported yield 180 gal/min. y
52-407	Tom Wilborn	Milam Drilling Co.	1975	330	6	330	Twi	712	160.20	Sept. 4, 1975	Sub, E 5	Irr, D, S	Slotted from 300 to 330 ft. Gravel packed. Reported yield 50 gal/min. y
408	Palo Alto Subdivision	E. H. Cannon Drilling Co.	1970	474	16 8	124 474	Twi	710	220	Oct. 1970	Sub, E 7-1/2	P	Slotted from 324 to 474 ft. Cemented from 100 ft to surface. Gravel packed. Pump set at 400 ft. Reported yield 55 gal/min. Development test: Drawdown of 90 ft pumping 55 gal/min for 48 hours in Oct. 1970. y
* 715	Big T Development Co.	Crawford E. Gordon	1971	674	8	674	Twi	675	191	May 10, 1971	Sub, E 10	P	Slotted from 494 to 674 ft. Cemented from 50 ft to surface. Pump set at 400 ft. Reported yield 100 gal/min. Development test: Drawdown of 200 ft pumping 325 gal/min for 25 hours on May 10, 1971. y
* 716	do	do	1971	636	8	636	Twi	675	180	June 3, 1971	Sub, E 15	P	Slotted from 476 to 636 ft. Cemented from 47 ft to surface. Pump set at 400 ft. Reported yield 140 gal/min. Development test: Drawdown of 200 ft pumping 300 gal/min for 30 hours on June 3, 1971. y
717	Shalimar Water Corp.	Adcock Pipe & Supply	1973	448	12 7	50 448	Tc	655	147	Apr. 18, 1973	N	N	Plugged. Slotted from 274 to 448 ft. Cemented from 50 ft to surface. y
53-704	Edwin Espey	Crawford E. Gordon	1972	430	12	406	Tc	470	--	--	T	N	Open hole from 406 to 430 ft. Cemented from 200 ft to surface. Gravel packed. Unused industrial and irrigation well since 1976. Pump set at 150 ft. Reported yield 650 gal/min. Development test: Drawdown of 60 ft pumping 1,250 gal/min on July 20, 1972. y
808	George Korus	do	1971	600	12	600	Tc	502	122	July 10, 1971	T, G 175	Irr	Slotted from 462 to 600 ft. Gravel packed. Development test: Drawdown of 45 ft pumping 1,016 gal/min for 12 hours on July 10, 1971. y
58-606	Vesta Taylor	Lawrence & Joe Swierc	1971	401	12	401	Tc	552	--	--	T, G	Irr	Slotted from 211 to 401 ft. Gravel packed. Development test: Drawdown of 100 ft pumping 1,505 gal/min on Dec. 3, 1971. y
59-102	Kenneth Leonards	do	1971	380	12	380	Tc	580	--	--	T, G 150	Irr	Slotted from 170 to 380 ft. Gravel packed. Pump set at 170 ft. y
310	Richman Estate	Olaf L. Boone	1972	390	12	390	Tc	561	113	May 1972	N	N	Abandoned. Slotted from 206 to 390 ft. Gravel packed. Pump set at 240 ft. Development test: Drawdown of 78 ft pumping 1,851 gal/min in May 1972. y
311	Emory Franklin	Rudy's Fix-it Shop	1975	341	12	341	Tc	570	139	July 4, 1975	T, G 150	Irr	Slotted from 181 to 341 ft. Cemented from 108 ft to surface. Gravel packed. y

See footnotes at end of table.

ATASCOSA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
AL-68-59-404	R. G. Martinez	Olaf L. Boone	1970	403	8	403	Tc	572	110	Oct. 1970	T, G 75	Irr	Slotted from 220 to 403 ft. Gravel packed. Pump set at 160 ft. Development test: Drawdown of 100 ft pumping 826 gal/min for 5 hours in Nov. 1970.
405	Joe Mottellero	E. H. Cannon Drilling Co.	1973	608	8	608	Tc	537	--	--	T, G 75	Irr	Slotted from 404 to 608 ft. Gravel packed. Pump set at 150 ft. Development test: Drawdown of 32 ft pumping 903 gal/min for 7 hours on Mar. 29, 1973.
406	L & R Packing Co.	Moys Water Well Drilling	1975	568	12	568	Tc	578	--	--	T, G 150	Irr	Gravel packed. Reported yield 1,500 gal/min.
510	Stella Ogden	Lawrence & Joe Swiero	1972	525	12	525	Tc	530	--	--	T, G 80	Irr, D, S	Slotted from 415 to 525 ft. Gravel packed. Development test: Drawdown of 58 ft pumping 1,641 gal/min in Feb. 1972.
511	Ted Williams	Olaf L. Boone	1971	467	8	467	Tc	546	112	Feb. 1971	T, E 30	Irr, D, S	Slotted from 367 to 467 ft. Cemented from 367 ft to surface.
630	Eumett Mikolajczyk	do	1970	422	8	422	Tc	500	--	--	T, G 85	Irr	Slotted from 254 to 422 ft. Cemented from 335 ft to surface. Pump set at 140 ft. Reported yield 400 gal/min.
631	Roland Eichman	Lawrence & Joe Swiero	1971	478	12	478	Tc	525	--	--	T, G 140	Irr	Slotted from 248 to 478 ft. Gravel packed. Development test: Drawdown of 33 ft pumping 1,800 gal/min in Nov. 1971.
705	I. H. Escelera	Olaf L. Boone	1970	714	10	714	Tc	518	85	Feb. 1970	N	N	Abandoned. Slotted from 489 to 714 ft.
706	do	Moys Water Well Drilling	1975	607	10	607	Tc	519	--	--	T, G 220	Irr, S	Slotted from 427 to 607 ft.
826	M. L. Bailey	Olaf L. Boone	1972	690	8	690	Tc	505	--	--	T, G 52	Irr	Slotted from 564 to 690 ft. Cemented from 564 ft to surface. Pump set at 140 ft. Reported yield 400 gal/min. Development test: Drawdown of 60 ft pumping 1,000 gal/min for 10 hours on Mar. 30, 1972.
60-117	Charles Fisher	do	1971	303	8	303	Tc	585	--	--	Sub, E 7-1/2	D, S, Irr	Slotted from 200 to 303 ft. Gravel packed. Pump set at 247 ft. Reported yield 156 gal/min.
118	Kenneth Stephens	do	1970	338	20 12	110 338	Tc, Twi	-550	140	May 1970	T, G 150	Irr	Slotted from 185 to 338 ft. Cemented from 110 ft to surface. Gravel packed. Pump set at 200 ft. Reported yield 1,000 gal/min. Development test: Drawdown of 50 ft pumping 1,998 gal/min for 14 hours in May 1970.
211	E. E. Byrom	do	1971	341	12	341	Tc	580	--	--	T, G 100	Irr	Slotted from 200 to 341 ft. Gravel packed.
311	Calvin Bruce	Monte Rigdon Water Well Drilling	1972	415	20 12	225 415	Tc	541	--	--	T, G 120	Irr	Cemented from 225 ft to surface. Gravel packed. Pump set at 160 ft. Reported yield 600 gal/min. Development test: Drawdown of 30 ft pumping 2,300 gal/min for 48 hours on Dec. 15, 1972.
424	W. C. Akers	Lawrence & Joe Swiero	1972	280	7	280	Tqc	509	49	Jan. 1972	Sub, E 1-1/2	D	Slotted from 210 to 280 ft. Cemented from 215 ft to surface. Pump set at 126 ft.
425	George W. West	do	1971	667	10	667	Tc	519	--	--	T, G 80	Irr	Slotted from 462 to 667 ft. Pump set at 180 ft. Reported yield 800 gal/min.
426	W. I. Foster	do	1971	548	12	548	Tc	504	78	Dec. 1971	T, G 220	Irr	Slotted from 388 to 548 ft. Gravel packed. Pump set at 120 ft. Reported yield 700 gal/min. Development test: Drawdown of 49 ft pumping 2,030 gal/min for 24 hours in Dec. 1971.

See footnotes at end of table.

ATASCOSA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
AL-68-60-427	City of Poteet	Henry E. Wickers Inc.	1972	864	12 6	681 790	Tc	472	52	Aug. 1975	T, E 60	P	Slotted from 690 to 790 ft. Cemented from 681 ft to surface. Gravel packed. Pump set at 186 ft. Reported yield 650 gal/min. Development test: Drawdown of 4 1/2 ft pumping 980 gal/min for 10 hours on Aug. 2, 1972. <u>Y 2</u>
428	A. W. Korus	Lawrence & Joe Solerc	1971	749	8 7	333 749	Tc	492	--	--	Sub, E 15	Irr	Slotted from 651 to 749 ft. Cemented from 564 ft to surface. Pump set at 160 ft. Reported yield 155 gal/min. <u>Y</u>
526	Wayne Russell	Monte Higdon Water Well Drilling	1974	785	12	785	Tc	542	--	--	T, C 100	Irr	Slotted from 575 to 785 ft. Gravel packed. Development test: Drawdown of 30 ft pumping 2,000 gal/min for 10 hours. <u>1</u>
728	Arnold Poppell	do	1974	390	8	390	Tqc	488	--	--	Sub, E 30	Irr	Slotted. Gravel packed. Pump set at 180 ft. Reported yield of 335 gal/min. Development test: Drawdown of 30 ft pumping 650 gal/min for 10 hours. <u>Y</u>
61-216	Palmer Brothers	Moys Water Well Drilling	1972	696	16	696	Tc	510	--	--	T, C 140	Irr	Slotted from 515 to 696 ft. Cemented from 515 ft to surface. Pump set at 220 ft. Reported yield 1,600 gal/min. <u>Y</u>
217	Clarence Korus	Crawford E. Gordon	1971	612	12	612	Tc	495	110	Oct. 15, 1971	T, C 175	Irr, D, 8	Gravel packed. Pump set at 220 ft. Development test: Drawdown of 53 ft pumping 1,441 gal/min for 7 hours on Oct. 15, 1971. <u>Y</u>
412	Johnny Grimmitt	Rudy's Fix-it Shop	1971	200	7	200	Tqc	480	--	--	Sub, E 5	Irr	Slotted from 160 to 200 ft. Cemented from 120 ft to surface. Gravel packed. Development test: Drawdown of 30 ft pumping 110 gal/min for 2 hours. <u>Y</u>
706	Ferdinand Tudyk	Lawrence & Joe Solerc	1971	489	8	489	Tqc	449	76	Sept. 1971	Sub, E 3	D, 8	Slotted from 355 to 489 ft. Development test: Drawdown of 40 ft pumping 200 gal/min in Sept. 1971. <u>Y</u>
809	Carl Calhoun	Olaf L. Boone	1971	637	10	637	Tqc	422	--	--	T, G 65	Irr	Slotted from 505 to 637 ft. Cemented from 505 ft to surface. Pump set at 280 ft. Reported yield 450 gal/min. Development test: Drawdown of 135 ft pumping 950 gal/min for 10 hours in Sept. 1971. <u>Y</u>
62-407	Lopez Brothers	Moys Water Well Drilling	1975	1,414	12 8	483 1,414	Tc	480	--	--	T, G 150	Irr	Slotted from 1,224 to 1,414 ft. <u>1</u>
78-02-814	Bill Benham	McKinley Drilling Co.	1971	1,222	12 8	824 1,696	Tc	538	--	--	T, G 100	Irr	Slotted from 1,466 to 1,696 ft. Cemented from 1,392 ft to surface. <u>Y</u>
03-205	Ralph Prossise	Lawrence & Joe Solerc	1971	1,178	12 10	1,076 1,178	Tc	525	153	Aug. 1971	T, E 40	Irr	Slotted from 788 to 1,178 ft. Cemented from 785 ft to surface. Pump set at 250 ft. Development test: Drawdown of 51 ft pumping 1,960 gal/min for 10 hours in Sept. 1971. <u>1</u>
310	Aida L. Wallace	do	1969	1,185	12	1,185	Tc	521	135	Oct. 1969	T, C 180	Irr	Slotted from 914 to 1,182 ft. Cemented from 910 ft to surface. Pump set at 180 ft. Development test: Drawdown of 60 ft pumping 1,700 gal/min in Oct. 1969. <u>Y</u>
718	Dick Prassel	McKinley Drilling Co.	1973	1,664	12	1,664	Tc	521	100	July 1973	T, G 232	Irr	Slotted from 1,440 to 1,664 ft. Cemented from 1,385 ft to surface. Pump set at 400 ft. Reported yield 1,000 gal/min. Development test: Drawdown of 69 ft pumping 1,750 gal/min for 24 hours in Aug. 1973. <u>Y</u>

See footnotes at end of table.

ATASCOSA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
AL-78-03-902	L. E. Burns	Lawrence & Jon Swiere	1969	918	7	918	Tqc	501	--	--	Sub, E 3/4	D, S	Slotted from 822 to 918 ft. Cemented from 819 ft to surface. Pump set at 168 ft. Reported yield 20 gal/min. y
903	Steible & Hairston	do	1971	1,805	8 5	485 1,805	Tc	550	182	Apr. 1971	T, E 60	Irr	Slotted from 1,511 to 1,804 ft. Cemented from 485 ft to surface. Pump set at 200 ft. y
04-404	Jacinto Alvarado	do	1971	850	6	850	Tqc	492	117	July 1971	T, E 20	Irr	Slotted from 702 to 850 ft. Cemented from 697 ft to surface. Pump set at 200 ft. y
710	George A. Bohl	Rudy's Fix-it Shop	1974	344	7	344	Tc	452	--	--	C, E 1	S	Slotted from 289 to 344 ft. Cemented from 270 ft to surface. Development test: Drawdown of 70 ft pumping 110 gal/min for 3 hours on Feb. 5, 1974. y
916	L. L. Uleak	Lawrence & Jon Swiere	1971	2,090	12 10	604 2,090	Tc	470	--	--	T, Ng 200	Irr. S	Slotted from 1,670 to 2,090 ft. Cemented from 1,667 ft to surface. Pump set at 200 ft. Reported yield 1,600 gal/min. y
05-120	Jimmy Seay	McKinley Drilling Co.	1973	1,650	12 8	505 1,643	Tc	602	35	May 1973	T, E 75	Irr	Slotted from 1,397 to 1,643 ft. Cemented from 1,334 ft to surface. Pump set at 160 ft. Reported yield 974 gal/min. y
721	Z. J. Gabrysch	Olaf L. Boone	1972	823	12	823	Tqc	382	--	--	T, E 40	Irr	Slotted from 651 to 823 ft. Cemented from 651 ft to surface. Pump set at 170 ft. Reported yield 1,000 gal/min. y
122	Charles Hurley	McKinley Drilling Co.	1973	1,601	12 8	504 1,589	Tc	494	24	July 1973	T, G 100	Irr	Slotted from 1,336 to 1,589 ft. Cemented from 1,262 ft to surface. Pump set at 170 ft. Reported yield 1,400 gal/min. y
609	Stanley Coughran	do	1972	2,290	12 8	594 2,232	Tc	322	--	--	Flow T, G 100	Irr	Slotted from 1,982 to 2,232 ft. Reported flow of 500 gal/min. y
06-507	Glenn H. Gembler	J. R. Johnson Drilling & Supplies	1976	3,009	16 12	2,207 3,000	Tc	350	10	June 7, 1976	T, G 365	Irr	Slotted from 2,140 to 3,000 ft. Cemented from 220 ft to surface. Pump set at 160 ft. Reported yield 2,700 gal/min. Development test: Drawdown of 82 ft pumping 3,230 gal/min on June 7, 1976. Observation Well. y y y
805	Jim McDaniel	McKinley Drilling Co.	1973	2,952	12 8	500 2,950	Tc	308	--	--	Flow	D	Slotted from 2,612 to 2,950 ft. Cemented from 2,612 ft to surface. y
11-309	Leon P. Steinle	Lawrence & Jon Swiere	1971	1,001	8	998	Tqc	465	106	Mar. 10, 1971	Sub, R 50	Irr. S	Slotted from 788 to 998 ft. Cemented from 781 ft to surface. Pump set at 350 ft. Development test: Drawdown of 194 ft pumping 454 gal/min for 10 hours on Mar. 10, 1971. y
902	Bobby Hines	McKinley Drilling Co.	1971	2,560	12 8	803 2,529	Tc	496	--	--	T, G 220	Irr	Slotted from 2,222 to 2,522 ft. Cemented from 2,169 ft to surface. Pump set at 300 ft. Development test: Drawdown of 109 ft pumping 1,837 gal/min for 10 hours in Aug. 1971. y
12-210	Anne L. Carter	do	1976	2,450	12 8	600 2,436	Tc	408	95	Apr. 1976	T, G 125	Irr	Slotted from 2,186 to 2,436 ft. Cemented from 2,186 ft to surface. Top of Carrizo 2,095 ft. Development test: Drawdown of 93 ft pumping 2,018 gal/min for 12 hours in Apr. 1976. y
402	Juan A. Espinosa	Lawrence & E. E. Swiere	1971	2,641	10 7	603 2,641	Tc	400	50	Oct. 16, 1971	T, G 95	Irr	Slotted from 2,235 to 2,641 ft. Pump set at 260 ft. Development test: Drawdown of 90 ft pumping 1,800 gal/min for 9 hours on Oct. 16, 1971. y
* 502	Leon P. Steinle	Lawrence & Jon Swiere	1971	2,610	10 7	466 2,610	Tc	431	87.86	May 27, 1976	Sub, E 60	D, S, Irr	Slotted from 2,304 to 2,610 ft. Cemented from 466 ft to surface. Pump set at 400 ft. y

See footnotes at end of table.

ATASCOSA COUNTY

Table 2. --Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Below land-surface datum (ft.)	Date of measurement			
AL-78-12-503	Leon F. Steinfle	F. M. Adams	1946	400	--	--	Tcm	430	--	--	C, W	S	--
* 504	Amos L. Carter	--	--	160	3	--	Tcm	456	122.0	May 27, 1976	C, E	S	--
601	Ladik Vyvlecko	Lawrence & Joe Soliert	1971	1,456	8 7	364 1,456	Tqc	410	40	July 1971	T, G 60	Irr	Slotted from 1,286 to 1,456 ft. Pump set at 150 ft. Reported yield 300 gal/min. y
* 602	Edgar Erwin	Rudy's Fix-it Shop	1973	614	5	614	Tc	418	62	Oct. 12, 1973	Sub, W 1	D, S	Slotted from 554 to 614 ft. Cemented from 544 ft to surface.
19-601	Vernell Winn	McKinley Drilling Co.	1971	3,192	12 8	400 3,072	Tc	339	--	--	T, G 150	Irr	Slotted from 2,883 to 3,072 ft. Open hole from 3,072 to 3,192 ft. Cemented from 2,781 ft to surface. y
* 20-801	Sam Countiss	Lawrence & Joe Soliert	1948	2,300	8	--	Tqc	315	--	--	Flow	D, S	Well located in McMullen County in Texas Water Commission Bulletin 6520 and Vol. II of the Texas Water Development Board Report 210. Reported flow 20 gal/min.
21-105	Peeler Ranch	Buck Page Co.	--	3,520	7	3,515	Tc	295	--	--	Flow	S	Slotted from 3,360 to 3,465 ft. Cemented from 3,520 ft to surface. Top of Carrizo 2,900 ft. Reported flow 300 gal/min. y

See footnotes at end of table.

BEXAR COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
AY-68-51-203	City of Somerset	Monte Higdon Water Well Drilling	1972	400	8	400	Twi	652	--	--	Sub, E 10	P	Perforated from 250 to 400 ft. Cemented from 50 ft to surface. Gravel packed. Pump set at 252 ft. Reported yield 125 gal/min. y
204	do	do	1973	400	8	400	Twi	651	--	--	Sub, E 10	P	Do.
301	Kenneth Taylor	Henson Drilling Co.	1972	353	7	353	Twi	650	--	--	T, C 15	Irc	Slotted from 157 to 172 ft, 310 to 330 ft, and 340 to 350 ft. Gravel packed. Pump set at 250 ft. Development test: Drawdown of 129 ft pumping 201 gal/min for 8 hours on May 31, 1972. y
33-703	Carl Bailey	Alfred Brown Water Well Drilling & Service	1969	180	4	180	Tc	570	130.16	Jan. 16, 1975	Sub, E 1	D	Perforated from 161 to 180 ft. Observation well. y y
809	Jack Brown	Moys Water Well Drilling	1969	446	7	--	Tc	555	150	Dec. 1969	Sub, E 1	D, S	Cemented from 382 ft to surface. Pump set at 168 ft.

See footnotes at end of table.

DIMMIT COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
WZ-77-19-810	Bruce Weaver	McKinley Drilling Co.	1956	1,333	12	1,333	Tc	550	336.2	Apr. 4, 1957	T, G 150	Irr	Formerly well was WZ-77-27-302 in Vol. II of Texas Water Development Board Report 210. Observation well. <u>3</u>
26-203	Fred Solansky	S. H. Owens	1910	702	8 6	612 687	Tb	550	--	--	--	D, S	Well N8-22 in Texas Board of Water Engineers Bulletin 6003. Six-inch liner added from 0 to 293 ft. Water well drilled to 1,100 ft. Cased in from 702 to 1,100 ft. Top of Carrizo 775 ft. <u>2</u>
609	J. H. Whitecotton	--	1917	550	10	550	Tc	520	249.00	Nov. 3, 1975	Sub, E	S	Well N8-70 in Texas Board of Water Engineers Bulletin 6003. Temp. 76°F. <u>2</u>
724	Benito Silva	--	--	248	11	19	Tc	610	221.00	Apr. 1, 1976	N	N	Open hole from 19 to 248 ft. <u>2</u>
725	do	--	--	125	9	40	Tc	620	--	--	N	N	Open hole from 40 to 125 ft. <u>2</u>
* 815	City of Carrizo Springs	Ted Letsinger & Sons	1974	509	12	509	Tc	600	285	Sept. 1974	T, E 75	P	Slotted from 344 to 387 ft and 402 to 500 ft. Pump set at 400 ft. Reported yield 587 gal/min. <u>2</u>
816	do	do	1974	530	12	530	Tc	600	307.00	Mar. 31, 1976	T, E 75	P	Slotted from 379 to 448 ft and 464 to 510 ft. Drilled to 530 ft and plugged back to 510 ft. Pump set at 400 ft. Reported yield 345 gal/min. <u>2</u>
* 27-709	Dale Hasten	Martin P. Taylor	1965	99	6	99	Tb	540	11.00	Dec. 12, 1974	N	N	Abandoned. Slotted from 66 to 80 ft. Cemented from 50 ft to surface. Reported yield 3 gal/min. Temp. 73°F. Observation well. <u>3</u>
28-404	George H. Webb & Sons	McKinley Drilling Co.	1975	1,413	12 8	617 1,384	Tc	550	--	--	T, E 150	Irr	Slotted from 1,158 to 1,384 ft. Cemented from 1,100 ft to surface. Pump set at 450 ft. Reported yield 900 gal/min. Development test: Drawdown of 105 ft pumping 700 gal/min for 8 hours in Aug. 1975. Temp. 95°F. <u>1</u>
37-106	C. W. Henriksen	John Mortimer Hartsell	1968	970	6	970	Tb	485	100 99.56	May 12, 1968 Dec. 12, 1974	Sub, E 1	D, S	Cemented from 850 ft to surface. Pump set at 147 ft. Reported yield 20 gal/min. Development test: Drawdown of 47 ft pumping 20 gal/min for 3 hours on May 12, 1968. Temp. 78°F. <u>1</u>
* 44-502	R. W. Briggs	J. R. Johnson Drilling & Supplies	1971	1,988	12 10 8	1,610 1,769 1,988	Tc	525	--	--	T, G 200	Irr, D, S	Perforated from 1,610 to 1,769 ft and 1,769 to 1,988 ft. Cemented from 1,610 ft to surface. Pump set at 500 ft. Development test: Drawdown of 180 ft pumping 722 gal/min for 20 hours on Sept. 3, 1971.

See footnotes at end of table.

FRIO COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
KB-68-57-216	Cloud O. Fargason	Strickers Water Well Service	1971	235	12	235	Tc	619	--	--	T, E 60	Irr	Slotted from 135 to 235 ft. Gravel packed. Pump set at 140 ft. Reported yield 600 gal/min. Development test: Drawdown of 26 ft pumping 1,850 gal/min for 3 hours on Mar. 19, 1971.
217	do	do	1971	255	12	251	Tc	620	--	--	T, E 100	Irr	Slotted from 130 to 251 ft. Pump set at 170 ft. Reported yield 1,000 gal/min.
410	Frank Duncan	J. E. Miller	1972	410	12	401	Tc	666	200	Dec. 28, 1972	T, E 100	Irr, S	Slotted from 203 to 401 ft. Cemented from 167 ft to surface. Pump set at 300 ft. Development test: Drawdown of 100 ft pumping 700 gal/min for 4 hours on Dec. 28, 1972.
510	E. Linkenhoger	Strickers Water Well Service	1970	580	14	580	Tc	640	--	--	T, G	Irr	Slotted from 330 to 580 ft. Gravel packed.
620	C. A. Pfeiffer	do	1971	593	12	593	Tc	662	--	--	T, G 180	Irr, D	Slotted from 298 to 593 ft. Gravel packed. Pump set at 250 ft. Reported yield 1,000 gal/min.
703	Virgil Tolson	E. H. Cannon Drilling Co.	1971	724	12	724	Tc	621	--	--	T, G 350	Irr	Slotted from 519 to 719 ft. Cemented from 482 ft to surface. Pump set at 260 ft. Reported yield 1,000 gal/min. Development test: Drawdown of 35 ft pumping 1,779 gal/min for 20 hours on Feb. 5, 1971.
803	Aldridge Nursery	Lawrence & E. E. Swiers	1970	600	12 8	411 600	Tc	620	--	--	T, Ng 150	Irr	Slotted from 316 to 411 ft and 417 to 590 ft. Pump set at 240 ft. Reported yield 1,500 gal/min. Development test: Drawdown of 28 ft pumping 1,700 gal/min in Dec. 1970.
58-706	Woodrow Curtis	E. H. Cannon Drilling Co.	1971	726	10	726	Tc	615	--	--	T, G 85	Irr, D	Slotted from 490 to 726 ft. Cemented from 384 ft to surface. Pump set at 200 ft. Reported yield 150 gal/min.
812	Edward Dickerson	Strickers Water Well Service	1970	800	14	800	Tc	602	--	--	T, G 400	Irr, S	Slotted from 500 to 800 ft. Gravel packed. Pump set at 280 ft. Development test: Drawdown of 33 ft pumping 5,000 gal/min for 24 hours in July 1970.
69-63-608	John Killian	Alfred Mann Water Wells	1969	286	--	--	Tc	650	148	Oct. 13, 1969	Sub, E 15	Irr	Reported yield 252 gpm. Pump set at 240 ft. Development test: Drawdown of 92 ft pumping 162 gal/min on Oct. 13, 1969.
903	S. A. Smith	E. H. Cannon Drilling Co.	1970	585	8	585	Tc	580	--	--	T, G 80	Irr	Slotted from 480 to 580 ft. Cemented from 420 ft to surface.
64-506	C. B. Stockard	do	1970	585	12	585	Tc	789	--	--	T, G 175	Irr	Slotted from 380 to 580 ft. Gravel packed. Pump set at 320 ft.
608	Joe Daur	do	1970	495	12	495	Tc	765	--	--	Sub, E 3	D, S	Slotted from 290 to 490 ft. Gravel packed. Development test: Drawdown of 30 ft pumping 1,560 gal/min for 10 hours on Mar. 10, 1970.
609	Brunke and Silver, Inc.	Strickers Water Well Service	1971	402	14	402	Tc	687	--	--	T, G	Irr	Slotted from 240 to 402 ft. Gravel packed. Reported yield 800 gal/min.
610	Robert Petri	do	1973	345	12	345	Tc	705	214.23	Nov. 27, 1974	T, G 155	Irr	Slotted from 235 to 345 ft. Gravel packed. Pump set at 220 ft. Reported yield 800 gal/min.
* 77-06-307	Herman Johnson	John Driver	1976	1,000	12	--	Tc	600	--	--	T, E	Irr	--
08-411	Avery & Wright	McKinley Drilling Co.	1972	1,507	10 8	808 1,420	Tc	671	330	Apr. 26, 1972	T, R 150	Irr, S	Slotted from 1,220 to 1,420 ft. Open hole from 1,420 to 1,507 ft. Cemented from 1,156 ft to surface. Development test: Drawdown of 41 ft pumping 826 gal/min for 10 hours on Sept. 26, 1973.

See footnotes at end of table.

PRIO COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water bearing unit	Altitude of land bearing (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Below land-surface datum (ft.)	Date of measurement			
KB-77-06-813	Iven W. Neal	E. H. Cannon Drilling Co.	1970	160	8	160	Tqc	633	--	--	Sub, P 3/4	D, S	Slotted from 140 to 154 ft. Cemented from 120 ft to surface. Reported yield 8 gal/min.]
14-807	Bennett Brothers, Inc.	McKinley Drilling Co.	1972	1,581	12	1,549	Tc	530	260	Nov. 26, 1974	S, Ng 275	Irr	Slotted from 1,349 to 1,549 ft. Cemented from 1,280 ft to surface. Pump set at 600 ft. Development test: Drawdown of 50 ft pumping 1,529 gal/min for 12 hours on Oct. 6, 1972.
808	do	do	1975	1,600	12 10	999 1,590	Tc	562	--	--	T, C 350	Irr	Slotted from 1,390 to 1,590 ft. Cemented from 1,345 ft to surface. Pump set at 500 ft. Reported yield 1,000 gal/min. Development test: Drawdown of 65 ft pumping 1,450 gal/min for 12 hours in Oct. 1975. Temp. 95°F.]
15-205	E. R. Glazner	do	1974	1,567	12 10	708 1,539	Tc	520	320	Feb. 1974	T, G 245	Irr	Slotted from 1,321 to 1,539 ft. Cemented from 1,248 ft to surface. Pump set at 500 ft. Development test: Drawdown of 108 ft pumping 1,125 gal/min in Feb. 1974.
314	Jesse Oppenheimer	do	1974	1,729	12	1,669	Tc	545	180	Jan. 1974	T, E 200	Irr	Slotted from 1,437 to 1,669 ft. Pump set at 500 ft. Reported yield 900 gal/min. Development test: Drawdown of 80 ft pumping 1,416 gal/min for 12 hours in Jan. 1974. Temp. 90°F.]
609	Beaver Farms, Inc.	do	1971	1,695	12 10	1,012 1,641	Tc	558	--	--	T, Ng 275	Irr	Slotted from 1,391 to 1,641 ft. Open hole from 1,641 to 1,695 ft. Cemented from 1,340 ft to surface. Pump set at 500 ft. Reported yield 1,200 gal/min. Development test: Drawdown of 42 ft pumping 1,591 gal/min for 25 hours on Jan. 14, 1972.]
909	Grace Carter	do	1971	1,820	12 10	988 1,783	Tc	522	--	--	T, Ng 225	Irr	Slotted from 1,463 to 1,763 ft. Cemented from 1,416 ft to surface. Reported yield 1,000 gal/min. Development test: Drawdown of 23 ft pumping 1,217 gal/min for 24 hours on July 21, 1971.]
16-109	Travino & Sons Inc.	do	1974	1,614	12	1,584	Tc	651	335	Oct. 31, 1974	F, Ng 200	Irr	Slotted from 1,364 to 1,584 ft. Cemented from 1,250 ft to surface. Pump set at 500 ft. Reported yield 1,100 gal/min. Development test: Drawdown of 85 ft pumping 1,452 gal/min for 15 hours on Oct. 31, 1974.]
110	do	do	1975	1,590	12	1,575	Tc	598	328	Oct. 1975	T, C 375	Irr	Slotted from 1,325 to 1,575 ft. Cemented from 1,236 ft to surface. Pump set at 440 ft. Development test: Drawdown of 92 ft pumping 1,452 gal/min for 12 hours in Oct. 1975. Temp. 96°F.]
806	Ken Craf	do	1974	1,932	12 10	818 1,890	Tc	510	--	--	T, E 200	Irr	Slotted from 1,690 to 1,890 ft. Cemented from 1,618 ft to surface. Pump set at 500 ft. Development test: Drawdown of 22 ft pumping 1,421 gal/min on Apr. 22, 1974.
807	Mrs. J. H. Woodward	do	1973	1,786	12 10	906 1,743	Tc	558	--	--	T, Ng 200	Irr	Slotted from 1,495 to 1,745 ft. Cemented from 1,450 ft to surface. Development test: Drawdown of 50 ft pumping 1,457 gal/min for 12 hours in Nov. 1973. Temp. 90°F.]
22-304	Ben Koshon	do	1974	1,787	12 10	900 1,753	Tc	528	292	Feb. 1974	T, E 200	Irr	Slotted from 1,503 to 1,753 ft. Cemented from 1,410 ft to surface. Pump set at 500 ft. Development test: Drawdown of 48 ft pumping 1,303 gal/min for 12 hours in Feb. 1975. Temp. 90°F.]

See footnotes at end of table.

FRIO COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
KB-77-22-305	Fanther Hollow Ranch, Inc.	McKinley Drilling Co.	1974	1,828	12 10	906 1,806	Tc	540	--	--	T, E 200	Irr, S	Slotted from 1.556 to 1.806 ft. Cemented from 1,470 ft to surface. Reported yield 1,200 gal/min.↓
604	Errigardo Garcia	do	1971	2,094	12	1,936	Tc	600	347	Mar. 25, 1971	T, C 243	Irr	Slotted from 1.754 to 1.936 ft. Cemented from 1,636 ft to surface. Pump set at 460 ft. Development test: Drawdown of 83 ft pumping 1,303 gal/min on Mar. 25, 1971.↓
605	Triple U Farms	do	1974	1,895	12 10	908 1,882	Tc	578	--	--	T, C 200	Irr	Slotted from 1.632 to 1.882 ft. Cemented from 1.533 ft to surface.↓
606	Ica C. Corbin	do	1976	1,974	12 10	915 1,946	Tc	579	336	Apr. 1976	#	N	Slotted from 1.696 to 1.966 ft. Cemented from 1,599 ft to surface. Development test: Drawdown of 89 ft pumping 1,148 gal/min for 12 hours in Apr. 1976. Temp. 95°F.↓
905	Joe Parker	do	1973	2,050	12 8	793 1,990	Tc	562	320	Aug. 1973	T, C 318	Irr	Slotted from 1,900 to 1,990 ft. Cemented from 1,836 ft to surface. Pump set at 450 ft. Development test: Drawdown of 120 ft pumping 800 gal/min for 6 hours in Aug. 1973. Temp. 105°F.↓
23-105	Albert Klopek	do	1972	1,698	12 10	1,002 1,660	Tc	520	--	--	T, E 200	Irr	Slotted from 1.392 to 1.640 ft. Open hole from 1,640 to 1,698 ft. Cemented from 1,350 ft to surface. Pump set at 500 ft. Reported yield 1,000 gal/min.↓
305	Willie Carter	do	1972	1,852	12 10	1,017 1,852	Tc	481	--	--	T, C 240	Irr	Slotted from 1.607 to 1.852 ft. Pump set at 460 ft. Development test: Drawdown of 117 ft pumping 1,497 gal/min for 24 hours on Jan. 31, 1972. Temp. 101°F.↓
603	Cenc Proctor, Inc.	do	1976	2,035	12 8	901 1,976	Tc	510	263	Apr. 1976	T, M 240	Irr	Slotted from 1,726 to 1,976 ft. Cemented from 1,639 ft to surface. Pump set at 440 ft. Development test: Drawdown of 71 ft pumping 1,270 gal/min for 2 hours in Mar. 1976. Temp. 95°F.↓
904	do	do	1976	2,098	12 8	910 2,052	Tc	524	255	Mar. 1976	T, N 240	Irr	Slotted from 1.802 to 2.052 ft. Cemented from 1,746 ft to surface. Pump set at 440 ft. Development test: Drawdown of 65 ft pumping 1,312 gal/min for 2 hours in Mar. 1976. Temp. 95°F.↓
24-206	P. J. Morales	do	1975	2,069	12 10	893 2,042	Tc	513	240.71	Oct. 15, 1976	T, E 150	Irr	Slotted from 1.847 to 2,042 ft. Cemented from 1,752 ft to surface. Top of the Carrizo 1,840 ft. Pump set at 300 ft. Development test: Drawdown of 64 ft pumping 1,702 gal/min for 12 hours in Apr. 1975. Temp. 95°F.↓
78-01-906	Otto Mann, Jr.	do	1972	1,550	12	1,490	Tc	498	125	Dec. 1972	T, E 200	Irr	Slotted from 1.240 to 1,490 ft. Cemented from 1,200 ft to surface. Pump set at 350 ft. Reported yield 1,200 gal/min. Development test: Drawdown of 50 ft pumping 1,600 gal/min for 30 hours in Dec. 1972.↓
02-512	Duke Wilson Estate	E. H. Cannon Drilling Co.	1971	1,300	12	1,300	Tc	558	--	--	T, C 225	Irr	Slotted from 1,029 to 1,300 ft. Cemented from 882 ft to surface.↓
09-306	W. R. Stacey & Sons	McKinley Drilling Co.	1973	1,660	12	1,655	Tc	572	--	--	T, E 150	Irr	Slotted from 1.405 to 1,655 ft. Cemented from 1,309 ft to surface. Reported yield 1,000 gpm. Development test: Drawdown of 85 ft pumping 1,505 gal/min for 12 hours in Dec. 1973. Temp. 90°F.↓

See footnotes at end of table.

FRIO COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
KB-78-09-404	Harold Whitely	E. H. Cannon Drilling Co.	1973	1,836	12 10	1,000 1,836	Tc	575	--	--	T, G 270	Irr	Slotted from 1,670 to 1,836 ft. Cemented from 1,555 ft to surface. Pump set at 440 ft. Reported yield 1,000 gal/min. Development test: Drawdown of 75 ft pumping 1,400 gal/min for 20 hours on Feb. 8, 1973.y
507	W. E. Stacey & Sons	McKinley Drilling Co.	1970	1,742	10 7	415 1,717	Tc	490	--	--	Sub, E 1-1/2	D, S	Slotted from 1,551 to 1,717 ft. Open hole from 1,717 to 1,742 ft. Cemented from 1,500 ft to surface. Development test: Drawdown of 124 ft pumping 1,237 gal/min for 10 hours on Nov. 18, 1970.y
803	do	do	1970	2,034	12 10	799 2,010	Tc	505	152	Jan. 1970	T, E 200	Irr	Slotted from 1,760 to 2,010 ft. Cemented from 1,710 ft to surface. Reported yield 1,000 gal/min. Development test: Drawdown of 78 ft pumping 1,093 gal/min in Jan. 1970. Temp. 95°F.y
10-107	Clyde Cox	E. H. Cannon Drilling Co.	1974	1,607	12 8	802 1,607	Tc	560	225	Apr. 1976	T, G 200	Irr	Slotted from 1,395 to 1,602 ft. Cemented from 1,343 ft to surface. Pump set at 300 ft. Reported yield 1,200 gal/min.y
506	Ryan & Ellis Land & Cattle Co.	McKinley Drilling Co.	1976	1,968	12 8	702 1,952	Tc	530	352	Feb. 16, 1976	T, G 265	Irr	Slotted from 1,702 to 1,952 ft. Cemented from 1,626 ft to surface. Pump set at 500 ft. Reported yield 1,200 gal/min. Development test: Drawdown of 88 ft pumping 1,200 gal/min in Feb. 1976.y
801	do	do	1976	2,071	12 8	710 2,050	Tc	500	200	Mar. 1, 1976	T, G 265	Irr	Slotted from 1,800 to 2,050 ft. Cemented from 1,740 ft to surface. Pump set at 400 ft. Reported yield 1,300 gal/min. Development test: Drawdown of 125 ft pumping 1,300 gal/min on Mar. 1, 1976.y

See footnotes at end of table.

GONZALES COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
KR-67-20-710	John Gibson	Lockhardt Welding Service	1976	624	4	624	Twl	365	--	--	Sub, E 5	D	Water well drilled to 930 ft. Caved in from 624 to 930 ft. 1/2
* 30-601	Ben Lee	Leroy Richter Water Well Drilling	1972	292	4	273	Tj	360	116	May 9, 1972	C, H	D	Slotted from 252 to 273 ft. 1/2
* 602	Tom Patjo	Johnnie Mareah Drilling	1973	520	4	474	Ty	330	75 75.1	July 25, 1973 Dec. 9, 1975	Sub, R	D, S	Open hole from 474 to 520 ft. 1/2
* 31-402	John Brom	do	1974	700	4	650	Tqc	460	112	Oct. 1974	N	N	Open hole from 650 to 700 ft. Unused domestic well. Temp. 78°F. 1/2
403	Earl Maurer	Leroy Richter Water Well Drilling	1970	201	4	180	Tj	333	123	June 2, 1970	Sub	N	Slotted from 160 to 180 ft. Open hole from 180 to 201 ft. Unused domestic well. 1/2
* 404	Joseph Rainieri	do	1973	362	4	362	Tj	360	126 91.1	May 8, 1973 Dec. 10, 1975	N	N	Abandoned. Slotted from 332 to 362 ft. 1/2
* 405	Harold J. Brelsford	Johnnie Mareah Drilling	1969	490	4	441	Ty	330	68 66.3	Oct. 27, 1969 Dec. 9, 1975	Sub, E 1-1/2	D	1/2
* 406	Jack Cinsader	--	--	80	4	--	Tj	390	--	--	C, W	S	--
* 407	Elvin Brom	--	1974	100	4	55	Tj	385	37.3	Dec. 9, 1975	CF, E 1-1/2	D	Slotted from 43 to 55 ft. Open hole from 55 to 100 ft.
* 503	Mrs. Thomas S. Williams	Johnnie Mareah Drilling	1965	85	4	72	Tok	470	39 33.9	Oct. 19, 1965 Dec. 10, 1975	Sub, E 1/2	D	Open hole from 72 to 85 ft. 1/2
* 703	M. E. Sikes	Leroy Richter Water Well Drilling	1970	454	4	420	Tj	390	256	Oct. 26, 1970	Sub, E	D	Open hole from 420 to 454 ft. 1/2
* 42-908	--	A. R. Thierry	1950	500	6	--	Tqc	368	24.40	Feb. 18, 1976	Sub, R	D, S	--

See footnotes at end of table.

GUADALUPE COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
KX-67-18-806	Crystal Clear Water Supply	Charles L. Behrens Drilling Co.	1974	285	5	254	Twl	610	132	Nov. 11, 1974	Sub, E 5	P	Slotted from 196 to 206 ft and 224 to 254 ft. Open hole from 254 to 285 ft. Cemented from 17 ft to surface. Gravel packed. Development test: Drawdown of 48 ft pumping 40 gal/min for 6 hours on Nov. 11, 1974.
807	Mahone Grain Co.	do	1973	275	6	275	Twl	530	--	--	Sub, E 5	S	Slotted from 225 to 265 ft. Open hole from 265 to 275 ft. Cemented from 3 ft to surface. Gravel packed. Pump set at 210 ft.
25-510	G. W. Connally	Hodgens Drilling Co.	1973	228	7	228	Twl	500	--	--	Sub, E 3	Irr	Slotted from 150 to 220 ft. Gravel packed.
604	Kay Sanders	Charles L. Behrens Drilling Co.	1972	40	48	40	Twl	460	--	--	T, E 20	Irr	Gravel packed.
708	Bill Belcher	Moys Water Well Drilling	1970	390	--	--	Twl	485	--	--	Sub, E 3/4	S	
909	Henry E. Bergfeld	Charles L. Behrens Drilling Co.	1971	335	4	320	Twl	520	--	--	Sub, E 1	D, Irr	Slotted from 300 to 320 ft. Pump set at 160 ft.
26-512	R. D. Hoover	Alfred Brown Water Well Drilling & Service	1973	340	4	340	Twl	502	91.72 81.09	Jan. 16, 1976 Feb. 3, 1977	Sub, E 1	D	Observation well.
908	O. T. Moore, Jr.	Charles L. Behrens Drilling Co.	1971	75	6	48	Twl	385	--	--	Sub, E 5	Irr	Slotted from 28 to 48 ft. Open hole from 48 to 75 ft. Pump set at 39 ft.

See footnotes at end of table.

FARNES COUNTY

Table 2.-- Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
PZ-67-50-903	J. A. Nelson	--	--	180	--	--	Ty	322	48.83 47.47	Nov. 12, 1963 Mar. 20, 1970	C, E	N	Formerly well was PZ-67-50-801 in Vol. II of Texas Water Development Board Report 210.
78-16-606	Howard Stanfield	Arthur Erdman	1922	401	6	400	Tct	496	135.53 114.95	Apr. 17, 1956 Mar. 11, 1972	C, U, E	D, S	Formerly well was PZ-78-16-301 in Vol. II of Texas Water Development Board Report 210.

See footnotes at end of table.

LA SALLE COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
*RX-77-31-302	W. V. Booth	Clarence Brown	1918	500	10	500	Tia	521	110	Nov. 1962	Sub. E	D, S	Well also appears in Texas Water Commission Bulletin 6520.
38-804	C. L. Lehman Estate	E. H. Cannon Drilling Co.	1971	2,267	14 10	1,367 2,282	Tc	400	--	--	T, G 375	Trr	Slotted from 1,820 to 1,910 ft and 2,000 to 2,262 ft. Cemented from 1,800 ft to surface.]
* 39-406	City of Cotulla	McKisley Drilling Co.	1975	2,447	12 10	898 2,376	Tc	422	--	--	T, E 200	P	Slotted from 2,206 to 2,376 ft. Open hole from 2,376 to 2,447 ft. Cemented from 2,169 ft to surface. Pump set at 500 ft. Development test: Drawdown of 139 ft pumping 1.027 gal/min on Feb. 11, 1975.]
78-25-901	Hindes Brothers	do	1976	3,102	12 8	901 3,042	Tc	383	--	--	T, G 200	Lrr	Slotted from 2,792 to 3,042 ft. Open hole from 3,042 to 3,102 ft. Cemented from 2,702 ft to surface.]
* 41-325	Ed Kinley	Quintana Petroleum Co.	1970	5,518	8 4	171 5,518	Tc	450	--	--	Sub. E 5	D	Oil test connected to water well in 1975.

See footnotes at end of table.

MCMULLEN COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land surface datum (ft)	Date of measurement			
*SU-78-37-302	C. E. Byrne	--	--	58	6	--	Tj	195	--	--	C, W	S	--
* 54-403	D. Rhodes	--	1949	240	6	240	Tct	415	--	--	C, W	S	Formerly well was SU-78-53-603 in Vol. II of Texas Water Development Board Report 210.

See footnotes at end of table.

MAVERICK COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
*TH-76-16-701	Joe Parker	--	--	--	6	--	Tc	710	98.14	Jan. 7, 1976	C, W	S	Observation well.3

See footnotes at end of table.

MRIDINA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of life	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
TD-68-49-703	W. A. Roberson	Strickers Water Well Service	1971	455	7	455	Twi	680	--	--	Sub. E 7-1/2	Irr.	Slotted from 360 to 455 ft. Gravel packed. Pump set at 210 ft.1
704	do	do	1970	487	12	487	Tc, Twi	700	--	--	Sub. E 30	Irr	Slotted from 90 to 487 ft. Gravel packed. Pump set at 380 ft. Reported yield 450 gal/min. Development test: Drawdown of 170 ft pumping 900 gal/min for 24 hours in 1970.
916	Lloyd Barry, Sr.	Lloyd Barry, Jr.	1954	117	12	10	Tc	651	--	--	T, E 7-1/2	Irr	Open hole from 10 to 117 ft. Pump set at 111 ft.
50-203	Lake Croft, Inc.	Hemmett Water System	1975	160	5	160	Twi	700	57	Oct. 7, 1975	--	P	Cemented from 20 ft to surface. Gravel packed. Pump set at 126 ft.1
204	do	do	1975	160	5	160	Twi	721	--	--	--	P	Cemented from 12 ft to surface. Pump set at 139 ft.1
504	State Department of Highways & Public Transportation	Williamson Drilling Co.	1972	200	16 8	64 200	Tc, Twi	805	--	--	Sub. B	Irr	Slotted from 70 to 80 ft, 147 to 157 ft, and 172 to 192 ft. Cemented from 64 ft to surface. Gravel packed. Reported yield 13 gal/min.1
505	do	do	1972	200	16 8	67 170	Tc,	800	--	--	Sub. E	Irr	Slotted from 70 to 80 ft, and 147 to 157 ft. Cemented from 67 ft to surface. Gravel packed. Reported yield 48 gal/min.1
57-102	Kyle Seals	Republic Oil Co.	1976	700	10	700	Tc, Twi	680	--	--	N	N	Oil test drilled to 5,228 ft. Plugged back to 700 ft and converted to water well. Perforated from 136 to 180 ft, 538 to 566 ft, and 590 to 618 ft. Unused irrigation well.2
218	Fete Morales Fred Lof	Moye Water Well Drilling	1976	523	12	516	Tc, Twi	640	--	--	T, E 100	Irr	Slotted from 283 to 516 ft. Gravel packed. Pump set at 350 ft. Reported yield 500 gal/min. Development test: Drawdown of 280 ft pumping 513 gal/min for 20 hours on May 21, 1976.1

See footnotes at end of table.

WEBB COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
*YZ-85-29-202	Killiam & Hurd, Ltd.	--	1976	3,245	--	--	Tc	540	--	--	N	N	Gas test. 2

See footnotes at end of table.

WILSON COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
ZL-67-41-405	Marion Scrabarezyk	Moys Water Well Drilling	1971	546	12	546	Tc	532	--	--	T, G 100	Irr	Slotted from 510 to 546 ft. Gravel packed. Pump set at 160 ft. Reported yield 775 gal/min. Development test: Drawdown of 40 ft pumping 1,400 gal/min for 20 hours on May 25, 1971.
506	Donald Straubein	do	1972	700	21	700	Tc	509	--	--	T, G 250	Irr	Gravel packed. Pump set at 160 ft. Development test: Drawdown of 50 ft pumping 1,600 gal/min for 10 hours on Sept. 6, 1972.
42-404	W. E. Williamson	E. H. Cannon Drilling Co.	1971	1,055	12	1,055	Tc	512	--	--	--	N	Slotted from 780 to 1,050 ft. Cemented from 700 ft to surface. Unused irrigation well.
802	Frank Talley	J. S. Drilling	1968	400	7	400	Tqc	421	--	--	Sub, E 5	D, S, Irr	Slotted from 310 to 400 ft. Cemented from 300 ft to surface. Pump set at 168 ft. Reported yield 80 gal/min.
* 909	J. C. Davis	-- McCullough	1915	600	5	--	Tqc	404	90	Oct. 1975	C, S 1	D, S	--
* 910	Pioneer Refining Co.	--	1973	300	4	--	Tqc	398	48.10	Feb. 18, 1976	Sub, E	Ind	--
* 911	Thomas E. Matlock	A. R. Thierry	1961	350	7	90	Tqc	336	--	--	Pipes CF, E 1/3	D, S	Cemented from 90 ft to surface.
* 912	Mrs. J. P. Smith	--	1925	37	32	37	Tcu	338	32.70	Feb. 18, 1976	N	N	Abandoned. Dug well curbed with brick.
49-105	Charles L. Aubin	Moys Water Well Drilling	1971	847	12	12	Tc	415	41.73	May 27, 1976	N	N	Cemented from 669 ft to surface. Unused irrigation well.
503	Dervin Sachtleben	do	1974	439	8	439	Tc	480	110	Oct. 1, 1974	T, G 150	Irr, D	Cemented from 329 ft to surface. Pump set at 300 ft. Development test: Drawdown of 139 ft pumping 250 gal/min for 7 hours on Dec. 10, 1975.
57-203	Ambrose Lankawski	Edward Robert Jarzombek, Jr.	1975	428	7	428	Tqc	380	70	May 12, 1974	Sub, E 7-1/2	Irr	Slotted from 275 to 428 ft.
68-46-902	Tower Lake Estates	Moys Water Well Drilling	1973	692	8	612	Twi	545	--	--	Sub, E 7-1/2	P	Perforated 120 ft. Cemented from 470 ft to surface. Pump set at 250 ft. Reported yield 250 gal/min. Development test: Drawdown of 128 ft pumping 250 gal/min for 36 hours in Mar. 1973.
47-308	Fred Pierdolla, Jr.	do	1971	605	12	605	Twi	535	--	--	T, C 220	Irr	Perforated 340 ft. Gravel packed. Pump set at 275 ft.
48-301	Tom Elnauid	do	1970	417	--	--	Tc, Twi	583	--	--	T, E 150	Irr	Gravel packed.
505	A. A. Jergins	do	1973	579	12	--	Tc	438	--	--	--	Irr	--
506	Ben Foster	do	1971	297	--	--	Tc	471	--	--	T, G 100	Irr	Gravel packed.
612	Tom Crea	do	1974	597	12	--	Tc	522	--	--	T, C 125	Irr	Gravel packed.
613	Victor Stanush	do	1973	527	12	--	Tc	461	--	--	--	Irr	Gravel packed.
706	Bill Deagan & Sons	Monte Higdon Water Well Drilling	1969	388	12	388	Tc	505	--	--	T, G	Irr	Gravel packed. Pump set at 160 ft. Development test: Drawdown of 30 ft pumping 2,200 gal/min for 6 hours on Aug. 19, 1969.

See footnotes at end of table.

WILSON COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
ZL-68-48-813	Ray Shrobarcock	J. B. Drilling	1971	324	10	324	Tc	452	--	--	T, G 360	Irr, D	Slotted from 166 to 324 ft. Gravel packed. Pump set at 150 ft. y
54-606	Felix Janek, Jr.	Moys Water Well Drilling	1970	608	12	608	Tc	510	--	--	T, G 140	Irr	Slotted from 435 to 585 ft. Cemented from 433 ft to surface. Pump set at 200 ft. Reported yield 1,200 gal/min. Development test: Drawdown of 67 ft pumping 1,693 gal/min for 10 hours on Apr. 9, 1970. y
55-107	Oak Mills Water Supply	do	1972	394	8	--	Tc	483	--	--	Sub, E 5	P	Perforated 80 ft. Cemented from 310 ft to surface. Pump set at 200 ft. Reported yield 90 gal/min. Development test: Drawdown of 46 ft pumping 300 gal/min for 12 hours in Apr. 1972.
108	Oscar Rosmer	do	1971	303	12	--	Tc	485	--	--	T, G 150	Irr	Perforated 145 ft. Pump set at 170 ft. Reported yield 1,200 gal/min. y
109	Edwin Johns	do	1970	360	12	--	Tc	500	--	--	T, G 100	Irr	Perforated 120 ft. Gravel packed. Pump set at 180 ft. Reported yield of 1,200 gal/min. y
110	John Connally	Moys Water Well Drilling	1973	362	12	--	Tc	528	--	--	N	N	Abandoned. Gravel packed. Development test: Drawdown of 93 ft pumping 1,826 gal/min for 11 hours in June 1973. y
303	Emilio Carrillo, Jr.	Adcock Pipe & Supply	1971	361	10 7	11 361	Tqc	500	--	--	Sub, E 7-1/2	D, S	Slotted from 271 to 361 ft. Gravel packed. Development test: Drawdown of 38 ft pumping 20 gal/min for 2 hours on Apr. 15, 1971. y
503	Triad Investment, Inc.	Moys Water Well Drilling	1973	785	12	655	Tc	450	--	--	Sub, E 7-1/2	P	Slotted from 405 to 655 ft. Open hole from 655 to 785 ft. Gravel packed. Pump set at 160 ft. Reported yield 250 gal/min. Development test: Drawdown of 52 ft pumping 1,826 gal/min for 14 hours on Mar. 12, 1973. y
607	James Ferguson	do	1970	850	12	850	Tc	450	--	--	T, G 75	Irr	Perforated 180 ft. Gravel packed. Pump set at 126 ft. Reported yield 850 gal/min. Development test: Drawdown of 23 ft pumping 1,465 gal/min for 5 hours on June 26, 1970. y
906	Paul Geasland	J. B. Drilling	1971	374	12	374	Tqc	460	--	--	T, G 80	Irr	Drilled to 430 ft plugged back to 374 ft. Slotted from 111 to 150 ft and 189 to 374 ft. Gravel packed. Pump set at 260 ft. Reported yield 600 gal/min. y
56-108	S. R. Donaho	Katy Drilling Co.	1972	739	16	714	Tc	500	--	--	T, G 450	Irr	Slotted from 350 to 714 ft. Gravel packed. Pump set at 200 ft. Reported yield 2,500 gal/min. Development test: Drawdown of 93 ft pumping 2,950 gal/min for 2 hours on May 8, 1972. y
408	S. S. Water Supply Corp.	Moys Water Well Drilling	1974	1,058	11	--	Tc	551	--	--	Sub, E 7-1/2	P	Cemented from 919 ft to surface. Pump set at 220 ft. Reported yield 225 gal/min. Development test: Drawdown of 10 ft pumping 225 gal/min for 36 hours on Nov. 24, 1974. y
509	Ray Workman	Edward Robert Jarczombek, Jr.	1971	937	10 7	379 937	Tc	485	--	--	T, G 100	Irr	Slotted from 743 to 937 ft. Gravel packed. Development test: Drawdown of 77 ft pumping 1,038 gal/min for 8 hours on Nov. 19, 1971. y
805	David Cummings	Moys Water Well Drilling	1974	488	12	488	Tqc	485	96.12	May 28, 1976	N	N	Slotted from 338 to 488 ft. Gravel packed. Development test: Drawdown of 80 ft pumping 1,400 gal/min in Nov. 1974. Unused irrigation well. y

See footnotes at end of table.

WILSON COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
ZL-68-62-506	Harvey Hayden	Moys Water Well Drilling	1971	635	10	635	Tqc	475	--	--	T, C 75	Irr	Slotted from 585 to 635 ft. Cemented from 378 ft to surface. Pump set at 250 ft. Reported yield 550 gal/min. Development test: Drawdown of 115 ft pumping 850 gal/min for 10 hours on Oct. 20, 1971.
805	George Ziedek	do	1973	1,744	12 8	680 1,744	Tc	438	--	--	T, C 100	Irr	Slotted from 1,514 to 1,744 ft. Cemented from 1,500 ft to surface. Pump set at 240 ft.
63-404	Dusim & Swientek	do	1973	1,360	12 8	694 1,360	Tc	502	--	--	T, C 125	Irr	Slotted from 1,210 to 1,360 ft. Cemented from 1,180 ft to surface. Pump set at 300 ft. Development test: Drawdown of 139 ft pumping 1,781 gal/min for 10 hours in July 1973.
78-06-303	Freddy Janek	McKinley Drilling Co.	1973	2,412	12 8	807 2,399	Tc	370	--	--	T, C 100	Irr, D	Slotted from 2,133 to 2,399 ft. Cemented from 2,078 ft to surface. Development test: Drawdown of 70 ft pumping 1,850 gal/min for 20 hours on Apr. 30, 1973.

See footnotes at end of table.

ZAVALA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
2X-69-60-801	Richard Bennett	--	--	--	5	--	Tb	732	--	--	C, W	S	--
* 61-526	Herb Dirksen	J. R. Johnson Drilling & Supplies	1974	3,488	20 12	690 2,949	Kce6	717	4147	Jan. 1975	Flows Cf, D	Irr	Open hole from 2,949 to 3,488 ft. Top of Edwards 938 ft.
527	E. D. Kincaid Estate	Spurgeon Drilling Co.	1972	330	16	330	Tc	721	190	Jan. 18, 1972	T, B 150	Irr	Slotted from 160 to 330 ft. Development test: Drawdown 0 ft pumping 1,000 gal/min for 1 hour on Jan. 18, 1972.
76-16-501	West & Chandler	Letsinger & Sons	1975	480	6 5	390 480	Tc	640	225	Oct. 7, 1975	--	S	Perforated 60 ft.
807	do	do	1975	360	8 6	240 360	Tc	650	195	Oct. 7, 1975	--	S	Slotted from 320 to 360 ft.
* 24-206	Elmer C. Van Cleave	Martin F. Taylor	1965	180	6	180	Tb	620	121.40	Dec. 18, 1974	Sub, E 1	S	Slotted from 109 to 180 ft. Temp. 79°F.
906	Texas Department of Water Resources	Texas Department of Water Resources	1971	438	3	421	Tc	620	24.28 220.22	July 22, 1971 Dec. 2, 1975	N	N	Well appears in Vol. II of the Texas Water Development Board Report 210 as a Bigford-Carriso well. Well reworked in 1975 and completed as Carriso well. Slotted from 253 to 421 ft. Open hole from 421 to 438 ft. Cemented from 382 ft to surface. Observation well.
77-03-318	L. H. Laffere	E. H. Cannon Drilling Co.	1974	630	12	630	Tc	722	190	Feb. 16, 1976	T, E 100	Irr	Slotted from 504 to 630 ft. Cemented from 432 ft to surface. Pump set at 360 ft.
* 402	C. L. Manuel, Sr.	do	1974	697	12	697	Tc	711	--	--	T, G 125	Irr	Slotted from 512 to 687 ft. Cemented from 438 ft to surface. Pump set at 620 ft. Reported yield 1,000 gal/min.
* 502	Chester Kiefer	Williamson Drilling Co.	1973	220	5	220	Tb	780	115 118.00	Mar. 30, 1973 Dec. 17, 1974	Sub, E 3/4	S	Slotted from 180 to 220 ft. Pump set at 172 ft. Reported yield 20 gal/min. Temp. 76°F.
503	do	B. & L. Drilling Co.	1968	210	5 4	141 210	Tb	780	122.58	Dec. 17, 1974	Sub, E 3/4	S	Deepened from 141 to 210 ft on Mar. 1, 1973. Reported yield 45 gal/min. Temp. 78°F.
* 504	do	Williamson Drilling Co.	1973	208	--	--	Tb	770	107 106.62	Jan. 1973 Dec. 17, 1974	Sub, E 3/4	S	Pump set at 200 ft. Reported yield 20 gal/min. Temp. 77°F.
* 505	do	do	1973	208	--	--	Tb	795	150 146.00	Jan. 26, 1973 Dec. 17, 1974	Sub, E 3/4	S	Pump set at 200 ft. Temp. 74°F.
* 506	do	Griffin Drilling Co.	1968	195	6	195	Tb	767	121.10	Dec. 13, 1974	Sub, E 3/4	S	Reported yield 35 gal/min.
610	James Brewster	E. H. Cannon Drilling Co.	1973	903	14	903	Tc	696	--	--	T, Ng 145	Irr	Slotted from 677 to 812 ft and 839 to 900 ft. Cemented from 637 ft to surface. Pump set at 460 ft.
611	R. O. Campbell	do	1971	836	14	836	Tc	708	240	1973	T, Ng 200	Irr	Slotted from 661 to 836 ft. Cemented from 603 ft to surface. Pump set at 460 ft. Reported yield 1,200 gal/min.
612	J. D. Lambert	do	1973	825	12	825	Tc	721	--	--	T, E 125	Irr	Slotted from 670 to 820 ft. Open hole from 820 to 825 ft. Cemented from 625 ft to surface. Pump set at 440 ft. Reported yield 1,200 gal/min.
613	L. H. Laffere	do	1970	815	12	808	Tc	706	240	Feb. 1976	T, Ng 145	Irr	Slotted from 663 to 803 ft. Cemented from 609 ft to surface. Pump set at 440 ft. Reported yield 1,200 gal/min.

See footnotes at end of table.

ZAVALA COUNTY

Table 2.--Records of Wells Drilled Between Spring 1970 and Spring 1977--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
*ZX-77-04-206	Webb Estate	--	--	155	5	--	Tb	750	64.9	May 12, 1976	C, W	S	--
* 207	do	--	--	112	5	--	Tb	730	45.8	May 12, 1976	Sub, E 3/4	S	--
440	Arnon Nelson	Spurgeon Drilling Co.	1974	140	12 10	95 140	Top	711	32	Jan. 20, 1974	N	N	Slotted from 40 to 60 ft and 80 to 140 ft. Unused irrigation well. 1/
521	C. N. Linkenhoger	do	1973	65	16	56	Q1e	707	37.93	Mar. 25, 1976	T, E 20	Irr	Slotted from 36 to 56 ft. Open hole from 56 to 65 ft. Pump set at 50 ft. 1/
820	Harold Loyd	E. H. Cannon Drilling Co.	1973	1,012	12	1,012	Tc	676	--	--	T, Ng 200	Irr	Slotted from 807 to 1,007 ft. Cemented from 745 ft to surface. Pump set at 500 ft. Reported yield 1,100 gal/min. 1/
09-103	Chaparrosa Ranch	Letzinger & Sons	1974	610	--	--	Tc	632	240	Jan. 1970	N	N	Abandoned. Cemented from 330 ft to surface. 2/
104	do	E. H. Cannon Drilling Co.	1974	604	16	604	Tc	632	--	--	T, Ng 200	Irr	Slotted from 350 to 450 ft. 490 to 540 ft. and 570 to 590 ft. Cemented from 330 ft to surface. Pump set at 480 ft. Reported yield 1,000 gal/min. 1/
* 605	W. W. Langley	do	1973	848	10	848	Tc	735	--	--	T, E 125	Irr, D	Slotted from 668 to 848 ft. Cemented from 600 ft to surface. Pump set at 540 ft. Reported yield 400 gal/min. Temp. 88°F.
* 10-911	Earl Callahan	--	1975	929	12 10 8	338 645 880	Tc	621	390.0	May 8, 1975	T, Ng 150	Irr	Open hole from 880 to 929 ft. Temp. 83°F. 2/
912	do	--	1975	--	--	--	Tc	610	--	--	T, Ng 110	for	2/
11-408	Texas Department of Water Resources	Texas Department of Water Resources	1975	1,162	6 3	939 1,065	Tc	633	298.87	Jan. 4, 1977	N	N	Slotted from 939 to 1,065 ft. Cemented from 939 ft to surface. Gravel packed. Open hole from 1,065 to 1,162 ft. Observation well. 1/ 2/ 3/
* 409	do	do	1975	865	4	860	Tb	633	323.50	Jan. 7, 1977	N	N	Slotted from 850 to 860 ft. Cement plug set from 860 to 865 ft. Cemented from 820 ft to surface. Gravel packed. Temp. 79°F. Observation well. 1/ 2/ 3/
717	Del Monte Farms	E. H. Cannon Drilling Co.	1973	1,149	10 12	909 1,149	Tc	631	--	--	T, Ng 240	Irr	Slotted from 909 to 1,149 ft. Cemented from 909 ft to surface. Pump set at 700 ft. Reported yield 1,100 gal/min. 1/
17-116	Errol Jouson	Letzinger & Sons	1975	490	16 10	40 490	Tc	570	232.88	Nov. 13, 1975	T, E 150	Irr, S	Pump set at 400 ft. 2/
* 18-713	Jamie Hassett	G. F. Webb	1968	292	7 5	205 292	Tb	540	63.06	Dec. 18, 1974	Sub, E 1-1/2	S	Slotted from 271 to 292 ft. Pump set at 180 ft. Temp. 80°F.

* For chemical analyses of water, see Table 4.

- 1/ Driller's logs in files of the Texas Department of Water Resources, Austin, Texas.
- 2/ Geophysical logs in files of the Texas Department of Water Resources, Austin, Texas.
- 3/ For water-level measurements from observation wells, see Table 3.

See footnotes at end of table.

ATASCOSA COUNTY

Table 3.—Water Levels in Selected Wells

Water level measurements, in feet, below or above (+) land surface.

* Measurement affected by pumping (pumping level, well pumped recently, or well(s) pumping nearby).

Q Measurement may not be valid static level.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well AL-68-50-603		Well AL-68-52-713—Continued		Well AL-68-52-718—Continued	
Mar. 21, 1973	86.83	Aug. 20, 1973	165.09	July 14, 1975	181.90
Feb. 22, 1974	84.51	Sept. 28, 1973	164.17	Jan. 22, 1976	180.87
Jan. 20, 1975	88.15	Oct. 18, 1973	163.84	Apr. 22, 1976	181.20
Jan. 16, 1976	73.97	Nov. 15, 1973	163.68	July 15, 1976	181.95
Feb. 17, 1977	71.45	Jan. 22, 1974	163.09	Feb. 2, 1977	182.13
Well AL-68-51-602		Apr. 17, 1974	163.08	Well AL-68-58-204	
Mar. 22, 1973	125.58	July 22, 1974	164.11	Jan. 5, 1973	145.31
Feb. 15, 1974	124.51	Oct. 22, 1974	163.15	Jan. 4, 1974	146.71
Jan. 22, 1975	124.54*	Jan. 22, 1975	162.67	Jan. 3, 1975	150.55
Jan. 13, 1976	122.91	Apr. 24, 1975	162.18	Jan. 5, 1976	149.66
Jan. 6, 1977	122.82	July 14, 1975	163.36	Jan. 3, 1977	151.30
Well AL-68-51-701		Oct. 23, 1975	164.51	Well AL-68-58-302	
Mar. 21, 1973	60.75	Jan. 13, 1976	163.84	Jan. 5, 1973	150.96
Feb. 22, 1974	58.84	Apr. 23, 1976	161.79	Jan. 4, 1974	152.40
Jan. 20, 1975	57.63	July 15, 1976	165.72	Jan. 3, 1975	153.95
Feb. 17, 1977	55.29	Oct. 19, 1976	165.05	Jan. 5, 1976	155.07
Well AL-68-51-801		Feb. 2, 1977	163.74	Jan. 3, 1977	157.14
Mar. 21, 1973	122.50	Well AL-68-52-718		Well AL-68-58-602	
Feb. 22, 1974	122.33	Mar. 21, 1973	180.24	Mar. 20, 1973	80.50
Jan. 20, 1975	121.99	Apr. 19, 1973	179.79	Feb. 19, 1974	83.20
Jan. 16, 1976	120.93	May 22, 1973	180.45	Jan. 20, 1975	84.07
Jan. 18, 1977	121.88	July 20, 1973	180.31	Jan. 13, 1976	86.41
Well AL-68-52-713		Sept. 28, 1973	180.21	Jan. 3, 1977	86.52
Mar. 21, 1973	162.95	Oct. 18, 1973	180.27	Well AL-68-59-303	
Apr. 20, 1973	161.73	Nov. 15, 1973	180.18	Mar. 22, 1973	116.00
May 22, 1973	161.97	Jan. 22, 1974	180.04	Feb. 19, 1974	114.27
July 19, 1973	164.93	Jan. 22, 1975	180.76	Jan. 20, 1975	115.85
		Apr. 24, 1975	180.78		

ATASCOSA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well AL-68-59-303—Continued		Well AL-68-60-401—Continued		Well AL-68-60-502—Continued	
Jan. 13, 1976	116.17	Aug. 20, 1973	100.58	Apr. 24, 1975	128.65
Jan. 6, 1977	116.62	Sept. 28, 1973	95.13	July 14, 1975	141.98
Well AL-68-59-501		Oct. 18, 1973	93.33	Oct. 23, 1975	133.53
Mar. 20, 1973	87.93	Nov. 15, 1973	92.04	Jan. 16, 1976	142.32
Feb. 19, 1974	89.14	Jan. 22, 1974	93.42	Apr. 22, 1976	137.02
Jan. 20, 1975	91.13	Apr. 17, 1974	112.80	July 22, 1976	144.42
Jan. 13, 1976	93.09	July 22, 1974	120.86	Oct. 19, 1976	133.18
Jan. 18, 1977	92.26	Oct. 22, 1974	103.74	Feb. 2, 1977	131.42
Well AL-68-59-621		Jan. 22, 1975	95.70	Well AL-68-60-913	
Mar. 29, 1973	47.60	Apr. 24, 1975	97.63	Mar. 22, 1973	50.08
Feb. 25, 1974	47.14	July 14, 1975	102.27	Feb. 15, 1974	48.63
Jan. 20, 1975	48.35	Oct. 23, 1975	102.54	Jan. 22, 1975	63.03
Jan. 27, 1976	48.29	Jan. 13, 1976	99.44	Jan. 16, 1976	56.88
Jan. 25, 1977	45.83	Apr. 26, 1976	99.50	Jan. 20, 1977	49.56
Well AL-68-59-804		July 15, 1976	103.15	Well AL-68-61-209	
Mar. 20, 1973	70.79	Oct. 19, 1976	102.93	Mar. 28, 1973	118.59
Jan. 20, 1975	75.15	Feb. 2, 1977	101.87	Apr. 19, 1973	118.54
Jan. 25, 1977	70.90	Well AL-68-60-502		May 21, 1973	119.67
Well AL-68-60-303		Mar. 29, 1973	126.93	July 19, 1973	119.83
Mar. 29, 1973	114.40	Apr. 19, 1973	119.95	Aug. 20, 1973	129.14
Feb. 27, 1974	115.15	May 21, 1973	119.50	Sept. 18, 1973	122.81
Jan. 30, 1975	116.71	July 19, 1973	121.94	Oct. 18, 1973	119.93
Jan. 12, 1976	118.21	Aug. 20, 1973	130.33	Nov. 15, 1973	118.64
Jan. 11, 1977	119.46	Sept. 18, 1973	126.14	Jan. 22, 1974	119.13
Well AL-68-60-401		Oct. 18, 1973	122.35	Apr. 18, 1974	136.87
Mar. 21, 1973	92.70	Nov. 15, 1973	120.83	July 24, 1974	155.03
Apr. 20, 1973	91.69	Jan. 22, 1974	121.55	Oct. 23, 1974	127.94
May 22, 1973	93.35	Apr. 18, 1974	145.54*	Jan. 30, 1975	121.76
July 19, 1973	93.56	July 24, 1974	158.10	Apr. 23, 1975	124.50
		Oct. 23, 1974	133.85	July 14, 1975	141.24
		Jan. 22, 1975	125.03		

ATASCOSA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well AL-68-61-209—Continued		Well AL-68-61-905—Continued		Well AL-78-03-509—Continued	
Oct. 23, 1975	135.24	Jan. 30, 1975	102.86	Jan. 25, 1976	201.84
Apr. 22, 1976	127.14	Jan. 15, 1976	107.93	Jan. 18, 1977	203.27
July 15, 1976	132.04	Jan. 11, 1977	103.08		
Oct. 20, 1976	128.93			Well AL-78-03-601	
Feb. 12, 1977	127.20	Well AL-68-62-405		Jan. 23, 1973	152.77
		Mar. 28, 1973	109.63	Mar. 20, 1973	146.34
Well AL-68-61-401		Feb. 15, 1974	110.62	May 22, 1973	152.34
Feb. 27, 1974	57.38	Jan. 30, 1975	113.75	July 19, 1973	161.44
Jan. 30, 1975	57.64	Jan. 12, 1976	120.60	Sept. 18, 1973	156.20
Jan. 16, 1976	60.86	Jan. 28, 1977	110.58	Oct. 15, 1973	145.71
				Jan. 23, 1974	152.76
Well AL-68-61-501		Well AL-78-02-303		Apr. 18, 1974	183.18
Mar. 29, 1973	68.43	Mar. 16, 1973	168.26	July 23, 1974	206.31
Feb. 15, 1974	64.28	Jan. 21, 1975	173.20	Oct. 21, 1974	170.67
Jan. 30, 1975	65.62	Jan. 13, 1976	178.75	Jan. 22, 1975	151.80
Jan. 27, 1976	65.97	Jan. 4, 1977	173.48	Apr. 24, 1975	153.60
Jan. 11, 1977	66.49			July 14, 1975	157.22
		Well AL-78-02-602		Oct. 23, 1975	164.80
Well AL-68-61-602		Jan. 21, 1975	124.10	Dec. 17, 1975	159.51
Mar. 28, 1973	84.47	Jan. 13, 1976	129.36	Feb. 25, 1976	163.00
Feb. 15, 1974	85.20	Jan. 25, 1977	123.37	Apr. 30, 1976	159.98
Jan. 30, 1975	87.54			May 4, 1976	159.02
Jan. 27, 1976	93.64	Well AL-78-03-302		Oct. 21, 1976	167.08
		Mar. 20, 1973	85.96	Feb. 2, 1977	160.29
Well AL-68-61-805		Feb. 25, 1974	91.66		
Mar. 28, 1973	74.32	Jan. 21, 1975	89.34	Well AL-78-04-204	
Feb. 15, 1974	74.05	July 14, 1975	95.72	Feb. 27, 1974	23.76
Jan. 30, 1975	77.80	Jan. 14, 1976	92.33	Jan. 28, 1975	55.59
Jan. 15, 1976	79.57	Jan. 6, 1977	89.22	Jan. 27, 1976	56.30
Jan. 26, 1977	75.48			Jan. 20, 1977	49.90
		Well AL-78-03-509			
Well AL-68-61-905		Feb. 22, 1974	206.20	Well AL-78-04-812	
Mar. 28, 1973	99.40	Jan. 21, 1975	196.20	Mar. 22, 1973	53.78
Feb. 15, 1974	100.32			Jan. 27, 1975	60.37

ATASCOSA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well AL-78-04-812—Continued		Well AL-78-06-103		Well AL-78-11-202—Continued	
Jan. 15, 1976	58.41	Mar. 28, 1973	50.87	Jan. 14, 1976	191.70
Jan. 20, 1977	56.14	Feb. 15, 1974	52.45	Jan. 18, 1977	189.29
Well AL-78-04-902		Jan. 30, 1975	52.59	Well AL-78-11-204	
Mar. 22, 1973	93.90	Jan. 15, 1976	53.97	Mar. 19, 1973	135.62
Feb. 27, 1974	92.33	Well AL-78-06-503		Feb. 21, 1974	134.34
Jan. 27, 1975	95.47	Mar. 28, 1973	28.48	Jan. 23, 1975	136.25
Jan. 20, 1977	97.09	Feb. 21, 1974	30.42	Jan. 14, 1976	136.24
Well AL-78-05-116		Jan. 22, 1976	37.47	Well AL-78-11-301	
Mar. 22, 1973	3.39	Jan. 28, 1977	32.49	Mar. 16, 1973	112.10
Feb. 15, 1974	0.08	Well AL-78-06-507		Jan. 23, 1975	117.43
Jan. 27, 1975	6.80	Mar. 9, 1976	16.00	Jan. 27, 1976	120.51
Jan. 25, 1977	1.90	June 7, 1976	10.00	Jan. 18, 1977	113.88
Well AL-78-05-409		Jan. 28, 1977	2.00	Well AL-78-11-305	
Mar. 22, 1973	25.50Q	Well AL-78-10-303		Mar. 16, 1973	71.88
Jan. 30, 1975	30.80	Mar. 15, 1973	113.90	Feb. 25, 1974	70.75
Jan. 22, 1976	32.70Q	Feb. 25, 1974	115.90	Jan. 23, 1975	70.81
Jan. 20, 1977	21.77Q	Jan. 23, 1975	111.71	Well AL-78-11-501	
Well AL-78-05-501		Jan. 14, 1976	113.64	Mar. 22, 1973	145.79
Mar. 22, 1973	55.03*	Jan. 4, 1977	108.52	Feb. 21, 1974	136.07
Feb. 27, 1974	48.31Q	Well AL-78-10-606		Jan. 23, 1975	151.16
Jan. 27, 1975	50.07	Mar. 15, 1973	100.30	Jan. 27, 1976	148.99
Jan. 15, 1976	27.45	Feb. 25, 1974	104.75	Jan. 25, 1977	141.44
Jan. 20, 1977	31.94	Jan. 23, 1975	107.71	Well AL-78-11-803	
Well AL-78-05-802		Jan. 25, 1976	108.26	Mar. 22, 1973	75.44
Mar. 22, 1973	50.38	Jan. 4, 1977	103.74	Feb. 21, 1974	70.82
Feb. 27, 1974	49.09	Well AL-78-11-202		Jan. 23, 1975	79.84
Jan. 27, 1975	53.48	Mar. 15, 1973	183.72	Jan. 27, 1976	78.05
Jan. 15, 1976	56.17	Feb. 25, 1974	190.07	Jan. 25, 1977	74.84
Jan. 20, 1977	52.70	Jan. 23, 1975	190.01		

ATASCOSA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well AL-78-12-701		Well AL-78-14-203		Well AL-78-18-601	
Mar. 22, 1973	104.50	Mar. 28, 1973	0.10	Mar. 15, 1973	46.71
Feb. 21, 1974	101.40	Feb. 21, 1974	0.74	Feb. 25, 1974	40.35
Jan. 23, 1975	109.38	Jan. 28, 1975	1.37	Jan. 23, 1975	52.47
Jan. 27, 1976	110.02	Jan. 22, 1976	2.19	Jan. 4, 1977	52.55
Jan. 26, 1977	105.89	Jan. 27, 1977	2.42		
Well AL-78-13-701		Well AL-78-15-301		Well AL-78-20-101	
Mar. 21, 1973	+10.48	Mar. 28, 1973	77.72	Mar. 21, 1973	126.36
Feb. 21, 1974	+3.24	Feb. 20, 1974	81.95	Jan. 27, 1975	131.35
		Jan. 28, 1975	83.81	Jan. 23, 1976	128.58
		Jan. 22, 1976	85.35	Jan. 26, 1977	125.43
		Jan. 27, 1977	84.30		
Well AL-78-13-702		Well AL-78-15-805		Well AL-78-20-301	
Mar. 21, 1973	+27.50	Mar. 27, 1973	104.13	Mar. 21, 1973	+35.14
Feb. 21, 1974	+34.43	Feb. 20, 1974	97.77	Jan. 23, 1975	+25.90
Jan. 24, 1975	+20.57	Jan. 27, 1977	107.58	Jan. 23, 1976	+28.21
Jan. 23, 1976	+20.57			Jan. 27, 1977	+29.90
Jan. 26, 1977	+26.35				
Well AL-78-14-103		Well AL-78-18-201		Well AL-78-22-202	
Mar. 28, 1973	+98.02	Mar. 15, 1973	12.18	Mar. 28, 1973	+94.40
Feb. 21, 1974	+102.64	Feb. 25, 1974	11.70	Feb. 20, 1974	+96.71
Jan. 28, 1975	+88.78	Jan. 23, 1975	12.60	Jan. 29, 1975	+92.09
Jan. 22, 1976	+74.92	Jan. 25, 1976	12.45	Jan. 23, 1976	+92.09
Jan. 27, 1977	+108.60	Jan. 4, 1977	11.51	Jan. 27, 1977	+94.40

BEXAR COUNTY

Table 3.--Water Levels in Selected Wells--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well AY-68-46-302		Well AY-68-53-101--Continued		Well AY-68-53-703--Continued	
Feb. 23, 1973	172.45	Jan. 16, 1975	101.47*	Jan. 27, 1976	131.09
Feb. 21, 1974	222.98*	Jan. 27, 1976	102.70	Jan. 20, 1977	131.76
Jan. 16, 1975	175.26	Jan. 20, 1977	100.97*		
Jan. 27, 1976	184.83			Well AY-68-53-805	
Jan. 20, 1977	163.10			Feb. 23, 1973	113.64
		Well AY-68-53-404		Feb. 21, 1974	113.44
		Mar. 9, 1973	129.02	Jan. 16, 1975	115.94
		Jan. 16, 1975	128.68*	Jan. 27, 1976	116.66
		Jan. 27, 1976	128.22*	Jan. 20, 1977	118.89
		Jan. 20, 1977	118.69*		
				Well AY-68-54-402	
		Well AY-68-53-701		Feb. 23, 1973	34.21
		Mar. 9, 1973	127.90	Jan. 16, 1975	31.45
				Jan. 27, 1976	32.77
		Well AY-68-53-703		Jan. 20, 1977	32.47
		Jan. 16, 1975	129.96		
Well AY-68-46-702					
Feb. 23, 1973	55.46				
Feb. 21, 1974	56.59*				
Jan. 16, 1975	57.01*				
Jan. 27, 1976	58.13*				
Well AY-68-53-101					
Mar. 9, 1973	101.64				
Feb. 21, 1974	107.68*				

CALDWELL COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well BU-67-02-502		Well BU-67-04-902		Well BU-67-10-802	
Mar. 27, 1973	7.45	Mar. 27, 1973	110.83	Mar. 27, 1973	3.03
Feb. 19, 1974	2.35	Feb. 19, 1974	109.13	Feb. 19, 1974	20.46
Feb. 14, 1975	1.34	Feb. 14, 1975	109.12	Feb. 14, 1975	18.97
Jan. 22, 1976	2.55	Jan. 22, 1976	107.92	Jan. 22, 1976	21.97
Jan. 21, 1977	1.73	Jan. 25, 1977	106.33	Jan. 21, 1977	20.31
Well BU-67-03-703		Well BU-67-09-304		Well BU-67-11-307	
Mar. 27, 1973	22.43	Mar. 27, 1973	27.16	Mar. 29, 1973	37.07
Feb. 19, 1974	21.93	Feb. 19, 1974	25.91	Feb. 21, 1974	34.42
Feb. 14, 1975	21.19	Feb. 14, 1975	24.77	Feb. 14, 1975	31.50
Jan. 22, 1976	22.48	Jan. 22, 1976	26.75	Jan. 22, 1976	31.49
Jan. 21, 1977	18.92	Jan. 21, 1977	24.35	Jan. 21, 1977	26.79
Well BU-67-03-706		Well BU-67-10-104		Well BU-67-11-501	
Mar. 27, 1973	18.64	Mar. 27, 1973	16.43	Mar. 28, 1973	81.65
Feb. 19, 1974	17.10	Feb. 19, 1974	14.42	Feb. 21, 1974	80.14
Feb. 14, 1975	16.73	Feb. 14, 1975	12.67	Feb. 20, 1975	78.79
Jan. 22, 1976	18.50	Jan. 22, 1976	13.64	Jan. 22, 1976	78.22
Jan. 21, 1977	12.34	Jan. 21, 1977	11.59	Jan. 22, 1977	76.25
Well BU-67-03-805		Well BU-67-10-109		Well BU-67-11-905	
Mar. 27, 1973	17.18	Mar. 27, 1973	25.33	Mar. 28, 1973	22.30
Feb. 19, 1974	14.13	Feb. 14, 1975	22.51	Feb. 19, 1975	19.10
Feb. 14, 1975	13.09	Jan. 22, 1976	25.46	Jan. 22, 1976	19.73
Jan. 22, 1976	13.30	Jan. 21, 1977	22.18	Jan. 21, 1977	17.35
Jan. 21, 1977	9.33				
Well BU-67-04-503		Well BU-67-10-203		Well BU-67-12-111	
Mar. 27, 1973	50.74	Mar. 27, 1973	5.40	Mar. 27, 1973	48.99
Feb. 19, 1974	50.30	Feb. 19, 1974	6.21	Feb. 19, 1974	47.76
Feb. 14, 1975	49.73	Feb. 14, 1975	5.41	Feb. 14, 1975	56.86
Jan. 22, 1976	48.94	Jan. 22, 1976	6.63	Jan. 22, 1976	45.21
Jan. 25, 1977	48.34	Jan. 21, 1977	5.56	Jan. 25, 1977	45.60

CALDWELL COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well BU-67-12-303		Well BU-67-13-605		Well BU-67-19-306—Continued	
Mar. 29, 1973	58.77	Mar. 27, 1973	89.33	Jan. 22, 1976	120.13
Feb. 19, 1974	57.66	Feb. 22, 1974	90.90	Jan. 21, 1977	119.85
Feb. 18, 1975	56.40	Feb. 18, 1975	90.50	Well BU-67-19-608	
Jan. 26, 1976	56.78	Jan. 26, 1976	90.10	Mar. 29, 1973	51.52
Jan. 25, 1977	50.90	Jan. 24, 1977	89.93	Feb. 21, 1974	49.46
Well BU-67-12-409		Well BU-67-13-702		Feb. 20, 1975	51.18
Mar. 29, 1973	16.42	Mar. 28, 1973	136.14	Jan. 23, 1976	47.25
Well BU-67-12-503		Feb. 19, 1975	135.41	Jan. 21, 1977	49.30
Mar. 29, 1973	19.32	Well BU-67-13-801		Well BU-67-19-609	
Feb. 21, 1974	18.40	Mar. 27, 1973	49.97	Mar. 28, 1973	54.38
Feb. 18, 1975	17.97	Feb. 22, 1974	49.87	Feb. 21, 1974	55.30
Jan. 26, 1976	18.36	Feb. 19, 1975	49.22	Feb. 20, 1975	52.96
Jan. 25, 1977	15.40	Jan. 24, 1977	47.05	Jan. 23, 1976	59.42
Well BU-67-12-601		Well BU-67-14-402		Jan. 21, 1977	51.48
Mar. 29, 1973	76.09	Mar. 27, 1973	41.11	Well BU-67-19-610	
Feb. 22, 1974	75.14	Feb. 22, 1974	40.29	Mar. 28, 1973	48.74
Feb. 18, 1975	73.99	Feb. 18, 1975	39.76	Feb. 21, 1974	46.43
Jan. 26, 1976	74.14	Jan. 26, 1976	39.83	Feb. 20, 1975	45.67
Jan. 25, 1977	72.59	Jan. 24, 1977	37.21	Jan. 23, 1976	46.69
Well BU-67-13-102		Well BU-67-14-801		Jan. 21, 1977	43.03
Feb. 18, 1975	203.07*	Mar. 27, 1973	43.12	Well BU-67-20-103	
Jan. 25, 1977	194.55	Feb. 22, 1974	42.34	Mar. 28, 1973	2.27
Well BU-67-13-201		Feb. 18, 1975	42.11	Feb. 21, 1974	0.02
Mar. 27, 1973	142.32	Jan. 26, 1976	42.30	Feb. 19, 1975	+0.30
Feb. 22, 1974	142.70	Jan. 24, 1977	39.33	Jan. 23, 1976	0.95
Feb. 18, 1975	142.06	Well BU-67-19-306		Jan. 21, 1977	+0.95
Jan. 26, 1976	141.72	Mar. 28, 1973	121.13	Well BU-67-20-205	
Jan. 24, 1977	140.79	Feb. 21, 1974	120.81	Mar. 28, 1973	74.92
		Feb. 20, 1975	120.61	Feb. 22, 1974	74.10

CALDWELL COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well BU-67-20-205—Continued		Well BU-67-20-603—Continued		Well BU-67-20-802—Continued	
Feb. 19, 1975	74.94	Feb. 19, 1975	79.40	Jan. 23, 1976	48.82
Jan. 23, 1976	74.10	Jan. 23, 1976	78.88	Jan. 21, 1977	46.75
Jan. 24, 1977	73.01				
Well BU-67-20-603		Well BU-67-20-802		Well BU-67-21-104	
Mar. 28, 1973	78.42	Mar. 28, 1973	50.37	Feb. 22, 1974	77.20
Feb. 22, 1974	79.30	Feb. 21, 1974	49.10	Feb. 20, 1975	72.04
		Feb. 20, 1975	49.48	Jan. 24, 1977	74.43

DIMMIT COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well HZ-76-40-901		Well HZ-77-25-201—Continued		Well HZ-77-26-101	
Mar. 7, 1973	189.98	Feb. 6, 1974	267.71	Mar. 7, 1973	250.17
Jan. 8, 1976	188.07	Jan. 7, 1975	271.08	Feb. 7, 1974	252.59
Jan. 11, 1977	187.67	Jan. 11, 1977	267.95	Jan. 7, 1975	254.43
Well HZ-76-48-801		Well HZ-77-25-401		Jan. 9, 1976	249.58
Mar. 7, 1973	26.47	Mar. 7, 1973	85.49	Jan. 12, 1977	242.96
Feb. 7, 1974	28.92*	Apr. 19, 1973	89.29	Well HZ-77-26-205	
Jan. 8, 1975	24.55	May 22, 1973	95.43	Mar. 8, 1973	292.92
Jan. 8, 1976	23.50	July 23, 1973	94.21	Feb. 8, 1974	292.67
Jan. 11, 1977	23.70	Aug. 20, 1973	84.83	Jan. 8, 1975	301.38*
Well HZ-77-18-704		Sept. 21, 1973	75.70	Jan. 13, 1976	289.12
Mar. 7, 1973	257.10	Oct. 26, 1973	74.69	Jan. 12, 1977	249.87
Feb. 6, 1974	257.00	Nov. 19, 1973	77.96	Well HZ-77-26-301	
Jan. 7, 1975	244.05	Jan. 23, 1974	74.86	Mar. 7, 1973	301.86
Jan. 9, 1976	242.97	Apr. 23, 1974	84.08	Feb. 8, 1974	301.23
Jan. 11, 1977	237.50	July 16, 1974	91.29	Jan. 8, 1975	304.55
Well HZ-77-18-904		Oct. 23, 1974	78.65	Jan. 13, 1976	306.16
Mar. 5, 1973	325.53	Jan. 6, 1975	79.84	Jan. 7, 1977	258.32
Jan. 13, 1976	247.77	Apr. 22, 1975	85.48	Well HZ-77-26-418	
Jan. 10, 1977	285.60	July 22, 1975	94.17	Mar. 7, 1973	219.98
Well HZ-77-19-703		Oct. 22, 1975	76.27	Feb. 7, 1974	221.80
Mar. 5, 1973	332.60	Jan. 9, 1976	79.50	Jan. 7, 1975	224.45
Feb. 6, 1974	328.68	Apr. 26, 1976	75.53	Jan. 9, 1976	220.98
Jan. 9, 1975	327.62	July 21, 1976	75.78	Jan. 12, 1977	222.28
Jan. 11, 1977	283.01	Oct. 19, 1976	77.78	Well HZ-77-26-605	
Well HZ-77-19-810		Jan. 11, 1977	75.76	Jan. 22, 1973	308.35
Jan. 11, 1977	269.42	Well HZ-77-25-604		Mar. 19, 1973	300.27
Well HZ-77-25-201		Feb. 6, 1974	222.64	May 22, 1973	300.23
Mar. 7, 1973	263.85	Jan. 6, 1975	225.23	July 23, 1973	311.34
		Jan. 9, 1976	225.27	Sept. 20, 1973	300.88
		Jan. 12, 1977	225.95		

DIMMIT COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well HZ-77-26-605—Continued		Well HZ-77-26-904		Well HZ-77-27-601—Continued	
Nov. 20, 1973	284.88	Mar. 6, 1973	256.86	Mar. 18, 1974	160.17
Jan. 22, 1974	291.04	Feb. 7, 1974	242.65	Apr. 19, 1974	159.34
Apr. 23, 1974	304.83	Jan. 8, 1975	260.76	May 20, 1974	159.03
July 17, 1974	333.26	Jan. 8, 1976	239.99	June 19, 1974	161.47
Oct. 22, 1974	316.29	Jan. 7, 1977	221.97	July 17, 1974	163.71
Jan. 8, 1975	300.50			Aug. 26, 1974	163.28
Apr. 23, 1975	308.26	Well HZ-77-27-303		Sept. 23, 1974	162.37
July 21, 1975	272.52	Mar. 5, 1973	317.54	Oct. 23, 1974	162.15
Oct. 20, 1975	267.39	Feb. 6, 1974	278.30	Jan. 6, 1975	160.33
Nov. 5, 1975	266.75	Well HZ-77-27-401		Apr. 22, 1975	160.69
Dec. 18, 1975	262.10	Mar. 7, 1973	238.58	July 21, 1975	157.15
Feb. 23, 1976	292.14	Feb. 8, 1974	225.53	Oct. 20, 1975	155.04
Apr. 27, 1976	321.13	Jan. 8, 1975	228.79	Jan. 13, 1976	153.56
June 21, 1976	316.07	Jan. 13, 1976	217.11	Apr. 27, 1976	154.36
Aug. 24, 1976	302.81	Jan. 7, 1977	216.17	July 21, 1976	154.22
Oct. 19, 1976	283.79	Well HZ-77-27-601		Oct. 19, 1976	152.23
Dec. 21, 1976	261.40	Jan. 22, 1973	158.00	Jan. 11, 1977	150.03
Feb. 25, 1977	243.88	Feb. 23, 1973	157.39	Well HZ-77-27-704	
Well HZ-77-26-708		Mar. 19, 1973	156.87	Mar. 6, 1973	222.57
Feb. 8, 1974	187.61	Apr. 19, 1973	156.35	Feb. 6, 1974	216.51
Jan. 8, 1975	176.63	May 21, 1973	156.57	Jan. 6, 1975	218.83
Jan. 8, 1976	179.00	June 22, 1973	159.26	Jan. 13, 1976	202.20
Jan. 7, 1977	178.80	July 23, 1973	159.85	Jan. 7, 1977	200.83
Well HZ-77-26-805		Aug. 20, 1973	159.11	Well HZ-77-27-709	
Mar. 7, 1973	261.38	Sept. 19, 1973	158.44	Dec. 12, 1974	11.00
Feb. 6, 1974	260.69	Oct. 25, 1973	157.26	Jan. 7, 1977	9.50
Jan. 8, 1975	268.44	Nov. 19, 1973	156.64	Well HZ-77-27-901	
Jan. 13, 1976	267.04	Dec. 18, 1973	156.16	Mar. 19, 1973	69.39
Jan. 7, 1977	273.62	Jan. 21, 1974	159.37	Apr. 19, 1973	73.73
		Feb. 19, 1974	158.93		

DIMMIT COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well HZ-77-27-901—Continued		Well HZ 77-33-201		Well HZ-77-33-322--Continued	
May 21, 1973	68.60	Mar. 7, 1973	115.05	Apr. 19, 1973	84.78
June 22, 1973	70.00	Feb. 7, 1974	115.32	May 22, 1973	85.30
July 23, 1973	69.31	Jan. 8, 1975	115.59	July 23, 1973	84.89
Aug. 20, 1973	68.99	Jan. 9, 1976	115.91	Aug. 20, 1973	86.02
Sept. 19, 1973	68.52	Jan. 12, 1977	116.91	Sept. 20, 1973	85.29
Oct. 25, 1973	67.32			Oct. 26, 1973	85.30
Nov. 19, 1973	66.78	Well HZ-77-33-301		Nov. 20, 1973	85.30
Jan. 21, 1974	71.36	Jan. 22, 1973	157.36	Jan. 22, 1974	85.48
Apr. 19, 1974	69.79	Mar. 19, 1973	159.93	Apr. 23, 1974	86.45
July 17, 1974	65.85	May 22, 1973	157.55	July 16, 1974	86.85
Oct. 23, 1974	65.40	July 23, 1973	156.86	Oct. 23, 1974	86.68
Jan. 6, 1975	64.37	Sept. 20, 1973	156.57	Jan. 8, 1975	87.58
Apr. 22, 1975	63.88	Nov. 20, 1973	158.34	Apr. 23, 1975	88.09
July 21, 1975	66.44	Jan. 22, 1974	158.11	July 22, 1975	87.47
Oct. 20, 1975	69.10	Apr. 23, 1974	161.97	Oct. 21, 1975	87.98
Jan. 13, 1976	67.70	July 16, 1974	158.31	Jan. 9, 1976	87.80
Apr. 27, 1976	61.07	Oct. 22, 1974	161.07	Apr. 27, 1976	88.08
July 21, 1976	61.01	Jan. 8, 1975	159.66	July 20, 1976	88.64
Oct. 19, 1976	59.84	Apr. 23, 1975	160.64	Oct. 19, 1976	88.59
Jan. 11, 1977	58.63	July 22, 1975	159.73	Jan. 12, 1977	88.68
		Oct. 21, 1975	160.12		
		Dec. 18, 1975	163.85	Well HZ-77-33-611	
Well HZ-77-28-503		Feb. 24, 1976	163.50	Mar. 7, 1973	105.91
Mar. 6, 1973	284.87	Apr. 27, 1976	162.24	Feb. 7, 1974	106.78
Feb. 6, 1974	269.21	June 22, 1976	161.79	Jan. 8, 1975	107.20
Jan. 6, 1975	282.52	Aug. 24, 1976	161.07	Jan. 9, 1976	108.18
Jan. 13, 1976	267.67	Oct. 19, 1976	160.88	Jan. 12, 1977	109.13
Jan. 10, 1977	269.56	Dec. 21, 1976	161.09		
		Feb. 25, 1977	160.36	Well HZ-77-33-701	
Well HZ-77-28-804				Mar. 7, 1973	218.49
Mar. 6, 1973	224.77	Well HZ-77-33-322		Feb. 7, 1974	222.11
Jan. 13, 1976	206.04	Mar. 7, 1973	84.77	Jan. 8, 1975	230.89
Jan. 10, 1977	204.55				

DIMMIT COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well HZ-77-33-701—Continued		Well HZ-77-34-702—Continued		Well HZ-77-37-101—Continued	
Jan. 8, 1976	223.52	Jan. 8, 1976	172.65	Jan. 7, 1975	225.58
Jan. 11, 1977	222.30	Jan. 6, 1977	168.22	Jan. 13, 1976	210.22
Well HZ-77-34-204		Well HZ-77-35-103		Well HZ-77-37-501	
Mar. 6, 1973	213.540	Mar. 6, 1973	223.34	Mar. 6, 1973	247.18
Feb. 8, 1974	211.14	Feb. 7, 1974	208.58	Feb. 7, 1974	229.06
Jan. 8, 1975	219.77	Jan. 7, 1975	226.85	Jan. 6, 1975	243.80
Jan. 8, 1976	218.88	Jan. 8, 1976	206.45	Jan. 13, 1976	228.73
Jan. 7, 1977	210.89	Jan. 6, 1977	196.44	Jan. 10, 1977	231.43
Well HZ-77-34-402		Well HZ-77-35-601		Well HZ-77-42-301	
Mar. 6, 1973	163.63	Mar. 6, 1973	196.44	Jan. 22, 1973	310.96
Feb. 8, 1974	170.82	Feb. 7, 1974	198.85	Mar. 19, 1973	310.87
Jan. 8, 1975	170.50	Jan. 7, 1975	201.54	May 21, 1973	310.63
Jan. 7, 1977	163.59	Jan. 7, 1976	190.48	July 23, 1973	309.99
Well HZ-77-34-408		Jan. 6, 1977	195.99	Sept. 20, 1973	309.52
Mar. 6, 1973	168.97	Well HZ-77-35-802		Nov. 20, 1973	308.96
Jan. 7, 1975	168.49	Mar. 6, 1973	303.55	Jan. 22, 1974	308.19
Jan. 8, 1976	173.85	Feb. 7, 1974	290.40	Apr. 23, 1974	306.69
Jan. 6, 1977	171.00	Jan. 7, 1975	299.67	July 17, 1974	305.77
Well HZ-77-34-501		Jan. 7, 1976	285.43	Oct. 22, 1974	305.50
Mar. 6, 1973	220.58	Jan. 6, 1977	286.41	Jan. 9, 1975	305.73
Feb. 7, 1974	211.34	Well HZ-77-36-802		Apr. 23, 1975	305.77
Jan. 8, 1975	223.00	Mar. 6, 1973	278.04	July 24, 1975	305.98
Jan. 8, 1976	210.65	Feb. 7, 1974	263.28	Oct. 21, 1975	305.71
Jan. 6, 1977	199.55	Jan. 7, 1975	274.48	Dec. 18, 1975	305.05
Well HZ-77-34-702		Jan. 7, 1976	261.03	Apr. 27, 1976	303.40
Mar. 6, 1973	171.94	Jan. 6, 1977	262.98	May 18, 1976	303.35
Feb. 7, 1974	169.34	Well HZ-77-37-101		June 21, 1976	303.30
Jan. 7, 1975	173.42	Mar. 6, 1973	224.18	Aug. 24, 1976	303.56
				Oct. 18, 1976	303.80
				Dec. 20, 1976	303.80

DIMMIT COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well HZ-77-42-801		Well HZ-77-44-101		Well HZ-77-50-201	
Feb. 28, 1973	176.81	Mar. 6, 1973	200.56	Feb. 28, 1973	265.09
Feb. 5, 1974	177.94*	Feb. 7, 1974	189.20	Feb. 5, 1974	264.20
Jan. 9, 1975	164.15	Jan. 7, 1975	197.10	Jan. 9, 1975	263.54
Jan. 7, 1976	175.52*	Jan. 7, 1976	186.82	Jan. 6, 1976	265.00
Jan. 5, 1977	163.13	Jan. 6, 1977	173.68	Jan. 5, 1977	263.46

FRIO COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KB-68-57-402		Well KB-68-57-616—Continued		Well KB-69-62-506—Continued	
Mar. 12, 1973	202.90	Jan. 21, 1975	182.73 *	Jan. 16, 1975	121.67
Apr. 20, 1973	170.76	Jan. 28, 1976	184.07	Jan. 27, 1976	115.41
May 22, 1973	195.51Q	Feb. 14, 1977	163.61	Feb. 14, 1977	120.83
June 22, 1973	176.04	Well KB-68-57-701		Well KB-69-62-601	
July 20, 1973	176.52	Mar. 12, 1973	74.07	Mar. 7, 1973	196.17
Aug. 21, 1973	176.31	Feb. 14, 1974	73.24	Feb. 11, 1974	194.29
Sept. 28, 1973	174.68	Jan. 28, 1975	76.79	Jan. 20, 1975	197.00
Oct. 19, 1973	173.89	Jan. 28, 1976	82.97	Jan. 27, 1976	196.04
Nov. 16, 1973	190.83 *	Feb. 15, 1977	76.90	Feb. 9, 1977	202.15
Jan. 23, 1974	203.20Q	Well KB-68-57-901		Well KB-69-62-703	
Apr. 18, 1974	188.80	Mar. 13, 1973	119.50	Mar. 5, 1973	175.90
July 30, 1974	187.34	Feb. 12, 1974	120.42	Well KB-69-62-902	
Oct. 24, 1974	181.94	Feb. 18, 1975	123.60	Mar. 7, 1973	131.55
Jan. 21, 1975	172.60Q	Jan. 28, 1976	146.66	Feb. 11, 1974	146.68
Apr. 25, 1975	199.55Q	Feb. 14, 1977	122.70	Jan. 20, 1975	136.38
July 15, 1975	194.78	Well KB-68-58-506		Jan. 27, 1976	141.55
Oct. 24, 1975	176.92	Mar. 12, 1973	147.95	Feb. 9, 1977	131.54
Jan. 23, 1976	169.13	Feb. 12, 1974	146.22	Well KB-69-63-605	
Apr. 23, 1976	181.60	Jan. 21, 1975	146.91	Mar. 12, 1973	115.85
July 30, 1976	183.02	Jan. 28, 1976	145.63	Feb. 11, 1974	117.46 *
Oct. 20, 1976	183.76	Feb. 14, 1977	145.78	Feb. 10, 1975	118.23
Feb. 15, 1977	182.67	Well KB-69-61-906		Jan. 27, 1976	119.96
Well KB-68-57-505		Mar. 5, 1973	193.57	Feb. 9, 1977	120.87
Mar. 12, 1973	102.97	Feb. 11, 1974	195.84	Well KB-69-63-901	
Feb. 11, 1974	103.77	Jan. 16, 1975	199.45	Mar. 9, 1973	159.10
Jan. 21, 1975	106.06	Jan. 27, 1976	202.82	Well KB-69-64-411	
Jan. 28, 1976	105.93	Feb. 14, 1977	203.98	Mar. 12, 1973	133.25
Feb. 14, 1977	108.98	Well KB-69-62-506		Apr. 20, 1973	133.27
Well KB-68-57-616		Mar. 7, 1973	117.37	May 22, 1973	133.38
Mar. 12, 1973	181.23				
Feb. 12, 1974	186.18 *				

FRIO COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KB-69-64-411—Continued		Well KB-77-06-301—Continued		Well KB-77-07-901—Continued	
June 29, 1973	133.48	June 22, 1973	184.33	Jan. 30, 1975	229.93
July 18, 1973	133.57	July 18, 1973	172.82	Jan. 21, 1976	246.20
Aug. 21, 1973	133.64	Aug. 21, 1973	174.40	Jan. 27, 1977	228.48
Sept. 28, 1973	133.50	Sept. 21, 1973	174.92		
Oct. 19, 1973	133.45	Oct. 26, 1973	165.96	Well KB-77-08-201	
Nov. 16, 1973	133.37	Nov. 21, 1973	179.60	Mar. 15, 1973	270.61
Jan. 23, 1974	132.93	Apr. 18, 1974	189.40	Feb. 15, 1974	283.43
Apr. 18, 1974	133.08	July 30, 1974	189.39	Jan. 30, 1975	273.23
July 12, 1974	133.43	Oct. 24, 1974	182.06	Jan. 26, 1976	285.40
Oct. 24, 1974	133.97	Jan. 27, 1975	166.60	Feb. 14, 1977	278.99
Jan. 20, 1975	134.17	Apr. 24, 1975	175.32	Well KB-77-08-409	
Apr. 25, 1975	134.19	July 15, 1975	183.12	Mar. 15, 1973	223.17
July 15, 1975	134.52	Oct. 21, 1975	170.20	Feb. 14, 1974	283.53
Oct. 24, 1975	134.65	Jan. 27, 1976	172.53	Jan. 28, 1975	273.60
Jan. 27, 1976	133.89	Apr. 30, 1976	182.51	Jan. 21, 1976	291.34
Aug. 2, 1976	136.00	July 30, 1976	185.09	Feb. 8, 1977	275.76
Oct. 21, 1976	136.43	Oct. 21, 1976	172.75		
Feb. 9, 1977	134.98	Feb. 9, 1977	160.81	Well KB-77-08-716	
				Jan. 28, 1975	246.80
Well KB-69-64-501		Well KB-77-07-201		Jan. 21, 1976	261.11
Mar. 9, 1973	151.94	Mar. 9, 1973	148.25	Feb. 8, 1977	270.04
Feb. 11, 1974	151.59	Jan. 20, 1975	153.42		
Jan. 23, 1975	153.56	Jan. 29, 1976	172.61	Well KB-77-08-806	
Jan. 27, 1976	141.48	Feb. 9, 1977	175.15	Mar. 15, 1973	273.63
Feb. 9, 1977	158.37			Feb. 14, 1974	311.44
		Well KB-77-07-501		Jan. 23, 1976	287.38
Well KB-77-06-103		Mar. 9, 1973	154.40	Feb. 4, 1977	261.90
Jan. 20, 1975	238.57	Feb. 11, 1974	185.14*		
Jan. 27, 1976	242.18	Jan. 20, 1975	168.61	Well KB-77-08-808	
Feb. 10, 1977	247.30	Jan. 27, 1976	211.07*	Mar. 15, 1973	246.85
		Feb. 10, 1977	165.72	Feb. 14, 1974	254.84
Well KB-77-06-301				Jan. 28, 1975	259.95
Mar. 9, 1973	165.57	Well KB-77-07-901		Jan. 23, 1976	258.30
Apr. 18, 1973	164.54	Mar. 15, 1973	218.72	Feb. 4, 1977	248.04

FRIO COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KB-77-08-812		Well KB-77-15-705—Continued		Well KB-77-16-705—Continued	
Jan. 28, 1975	274.25	Jan. 28, 1976	242.36	Apr. 18, 1974	276.13
Jan. 26, 1976	263.33	Jan. 27, 1977	200.37	Oct. 25, 1974	237.65
Feb. 8, 1977	254.09			Jan. 30, 1975	208.72
Well KB-77-14-601		Well KB-77-15-903		Apr. 24, 1975	231.02
Feb. 27, 1973	191.75	Feb. 27, 1973	94.60	Oct. 24, 1975	236.56
Feb. 6, 1975	161.50Q	Jan. 30, 1975	99.56	Apr. 23, 1976	234.81
Jan. 28, 1976	213.43	Jan. 23, 1976	96.00	July 30, 1976	236.72
Jan. 27, 1977	188.69	Jan. 28, 1977	94.65	Oct. 21, 1976	230.70
Well KB-77-14-902		Well KB-77-15-907		Feb. 4, 1977	185.97
Feb. 23, 1973	84.43	Jan. 30, 1975	167.27	Well KB-77-16-801	
Feb. 19, 1974	84.80	Jan. 23, 1976	160.22	Feb. 20, 1973	193.00
Feb. 6, 1975	86.90	Jan. 28, 1977	160.33	May 22, 1973	213.83*
Jan. 27, 1976	86.39	Well KB-77-16-201		June 29, 1973	239.72
Jan. 27, 1977	83.99	Mar. 1, 1973	286.55	July 17, 1973	239.28
Well KB-77-14-904		Feb. 13, 1974	323.08	Aug. 28, 1973	250.49
Feb. 23, 1973	188.63	Jan. 30, 1975	307.69	Sept. 28, 1973	231.80
Feb. 15, 1974	236.68	Jan. 28, 1976	316.89	Oct. 19, 1973	210.20
Feb. 6, 1975	215.39	Feb. 4, 1977	282.57	Nov. 16, 1973	198.01
Jan. 27, 1976	227.43	Well KB-77-16-603		Jan. 23, 1974	222.63
Jan. 27, 1977	184.84	Mar. 1, 1973	293.94	Apr. 18, 1974	290.10
Well KB-77-15-304		Jan. 22, 1976	297.66	July 26, 1974	323.35Q
Feb. 27, 1973	199.09	Feb. 4, 1977	293.53	Oct. 25, 1974	246.14
Feb. 8, 1977	92.23Q	Well KB-77-16-705		Jan. 30, 1975	222.49
Well KB-77-15-601		Feb. 20, 1973	191.31	Apr. 24, 1975	234.90
Feb. 27, 1973	177.57	June 29, 1973	257.90	July 16, 1975	242.56
Jan. 28, 1977	173.93	July 17, 1973	249.14	Oct. 24, 1975	240.42
Well KB-77-15-705		Aug. 23, 1973	246.81	Jan. 22, 1976	238.84
Feb. 12, 1975	219.42	Sept. 28, 1973	233.00	Apr. 23, 1976	240.37
		Oct. 19, 1973	206.07	July 30, 1976	246.72
		Nov. 16, 1973	193.59	Oct. 21, 1976	251.05
				Feb. 4, 1977	194.63

FRIO COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KB-77-21-301		Well KB-77-23-602		Well KB-78-01-501—Continued	
Feb. 21, 1973	334.20	Feb. 27, 1973	198.99	Jan. 21, 1975	112.79
Feb. 19, 1974	342.00Q	Feb. 11, 1975	214.09	Jan. 28, 1976	111.93
Well KB-77-22-301		Jan. 23, 1976	213.69	Feb. 14, 1977	104.61
Feb. 23, 1973	200.74	Jan. 21, 1977	199.60	Well KB-78-01-801	
Feb. 19, 1974	201.62	Well KB-77-23-701		Mar. 15, 1973	117.12
Feb. 11, 1975	180.93	Feb. 20, 1973	305.93	Feb. 13, 1974	130.12
Jan. 28, 1976	193.79	Jan. 21, 1977	284.70	Jan. 22, 1975	126.74
Jan. 24, 1977	161.40	Well KB-77-23-802		Jan. 22, 1976	138.92
Well KB-77-22-502		Feb. 21, 1973	113.80	Feb. 14, 1977	134.37
Feb. 23, 1973	339.35	Feb. 19, 1974	121.18*	Well KB-78-02-402	
Feb. 19, 1974	363.57	Jan. 21, 1977	107.90	Mar. 13, 1973	174.08
Feb. 11, 1975	337.32	Well KB-77-23-803		Feb. 12, 1974	173.85
Jan. 26, 1976	341.22	Mar. 16, 1973	249.20	Jan. 21, 1975	181.05
Jan. 21, 1977	310.07	Feb. 11, 1975	257.14	Jan. 22, 1976	189.75
Well KB-77-22-503		Jan. 23, 1976	262.67*	Feb. 8, 1977	184.10
Feb. 20, 1973	26.36	Jan. 21, 1977	258.37	Well KB-78-02-501	
Feb. 19, 1974	25.69	Well KB-77-24-202		Mar. 13, 1973	161.80
Feb. 11, 1975	25.05	Feb. 20, 1973	160.72	Feb. 12, 1974	178.89
Jan. 26, 1976	24.97	Feb. 14, 1975	159.44	Jan. 21, 1975	164.63
Jan. 21, 1977	23.90	Jan. 23, 1976	168.69	Jan. 28, 1976	175.44
Well KB-77-23-301		Jan. 28, 1977	151.24	Feb. 8, 1977	160.22
Feb. 27, 1973	202.84	Well KB-78-01-101		Well KB-78-02-702	
Feb. 12, 1975	220.60	Mar. 12, 1973	76.43	Mar. 13, 1973	132.50
Jan. 28, 1976	228.50	Feb. 14, 1974	75.85	Feb. 12, 1974	149.03
Jan. 28, 1977	202.04	Jan. 28, 1975	78.74	Jan. 21, 1975	140.82
Well KB-77-23-509		Jan. 28, 1976	79.89	Jan. 22, 1976	149.96
Feb. 12, 1975	266.01	Feb. 15, 1977	74.27	Feb. 8, 1977	128.55Q
Jan. 26, 1976	282.21	Well KB-78-01-501		Well KB-78-02-709	
Jan. 21, 1977	254.09	Mar. 13, 1973	109.95	Mar. 13, 1973	156.75

FRIO COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KB-78-02-709—Continued		Well KB-78-09-305—Continued		Well KB-78-17-502	
Feb. 12, 1974	154.58	Feb. 10, 1977	103.61	Mar. 1, 1973	60.56
Jan. 21, 1975	153.54			Feb. 13, 1974	62.54
Jan. 26, 1976	168.82	Well KB-78-09-602		Feb. 14, 1975	64.58
Feb. 8, 1977	174.10	Mar. 13, 1973	128.50	Jan. 21, 1976	60.79
		Feb. 13, 1974	133.13	Feb. 10, 1977	55.51
		Feb. 14, 1975	134.75		
Well KB-78-09-105		Jan. 22, 1976	145.44	Well KB-78-18-501	
Mar. 15, 1973	12.09	Feb. 10, 1977	131.99	Mar. 1, 1973	23.37
Feb. 13, 1974	10.17			Feb. 13, 1974	65.33Q
Jan. 22, 1975	10.35	Well KB-78-10-103		Feb. 14, 1975	23.20
Jan. 21, 1976	11.61	Mar. 13, 1973	178.90	Jan. 21, 1976	20.24
Feb. 16, 1977	10.17	Feb. 12, 1974	187.76	Feb. 10, 1977	20.80
		Jan. 21, 1975	184.45		
Well KB-78-09-305		Jan. 22, 1976	177.51		
Mar. 13, 1973	96.67	Feb. 10, 1977	180.93		
Feb. 13, 1974	113.74				

GONZALES COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KR-67-19-901		Well KR-67-22-201		Well KR-67-28-104	
Apr. 5, 1973	33.98	Mar. 30, 1973	75.70	Apr. 5, 1973	1.39
Feb. 27, 1974	32.72	Feb. 25, 1974	75.48	Feb. 27, 1974	1.03
Feb. 5, 1975	31.02	Jan. 6, 1975	75.20	Feb. 5, 1975	0.04
Jan. 26, 1976	33.16	Jan. 22, 1976	75.05	Jan. 26, 1976	2.33
Feb. 2, 1977	30.70	Jan. 25, 1977	74.38		
Well KR-67-21-201		Well KR-67-22-301		Well KR-67-28-303	
Mar. 30, 1973	19.86	Mar. 30, 1973	39.45	Apr. 5, 1973	72.48
Feb. 25, 1974	17.76	Feb. 25, 1974	35.55	Feb. 27, 1974	67.53
Feb. 6, 1975	13.98	Jan. 6, 1975	34.87	Jan. 5, 1975	66.89
Jan. 22, 1976	13.80	Jan. 22, 1976	46.84	Jan. 22, 1976	66.34
Jan. 25, 1977	5.98	Jan. 25, 1977	33.50	Jan. 26, 1977	63.83
Well KR-67-21-701		Well KR-67-27-502		Well KR-67-29-302	
Apr. 5, 1973	57.98	Apr. 5, 1973	74.90	Mar. 30, 1973	83.18
Feb. 27, 1974	57.54	Feb. 27, 1974	76.27	Feb. 25, 1974	83.00
Feb. 11, 1975	57.31	Jan. 5, 1975	76.02	Jan. 6, 1975	81.93
Jan. 22, 1976	57.52	Jan. 26, 1976	75.96	Jan. 22, 1976	82.30
Jan. 26, 1977	56.48	Feb. 3, 1977	74.90	Feb. 26, 1977	81.02
Well KR-67-21-703		Well KR-67-27-701		Well KR-67-29-501	
Apr. 5, 1973	69.85	Apr. 5, 1973	13.50	Apr. 10, 1973	59.16
Feb. 27, 1974	69.75	Feb. 27, 1974	12.52	Feb. 25, 1974	58.14
Feb. 11, 1975	69.49	Jan. 5, 1975	13.25	Jan. 6, 1975	56.26
Jan. 22, 1976	69.92	Jan. 26, 1976	19.50	Jan. 22, 1976	56.27
Jan. 26, 1977	68.64	Feb. 3, 1977	7.70	Jan. 26, 1977	54.85
Well KR-67-21-903		Well KR-67-27-903		Well KR-67-29-602	
Mar. 30, 1973	12.84	Apr. 5, 1973	+6.50	Apr. 10, 1973	29.24
Feb. 25, 1974	14.18	Feb. 27, 1974	+5.30	Feb. 25, 1974	30.04
Feb. 6, 1975	14.32	Jan. 5, 1975	+6.20	Feb. 6, 1975	29.53
Jan. 22, 1976	14.59	Jan. 26, 1976	+6.07	Jan. 22, 1976	29.19
Jan. 25, 1977	13.04	Feb. 3, 1977	+4.90	Jan. 26, 1977	31.47

GONZALES COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KR-67-34-803		Well KR-67-38-401		Well KR-67-43-502	
Apr. 3, 1973	45.09	Apr. 10, 1973	27.55	Apr. 3, 1973	+19.78
Feb. 28, 1974	44.53	Feb. 25, 1974	24.12	Mar. 1, 1974	+15.16
Feb. 14, 1975	46.23	Feb. 11, 1975	27.21	Feb. 12, 1975	+12.85
Jan. 27, 1976	41.96	Feb. 27, 1976	27.09	Jan. 28, 1976	+19.78
Feb. 2, 1977	42.20	Jan. 26, 1977	24.53		
Well KR-67-35-504		Well KR-67-42-202		Well KR-67-43-901	
Apr. 5, 1973	83.71	Apr. 3, 1973	17.90	Apr. 4, 1973	+37.96
Feb. 28, 1974	83.55	Feb. 28, 1974	17.49	Mar. 1, 1974	+42.58
Jan. 5, 1975	83.74	Feb. 13, 1975	17.41	Feb. 12, 1975	+42.58
Jan. 26, 1976	83.16	Jan. 27, 1976	17.45	Jan. 28, 1976	+44.89
				Jan. 31, 1977	+37.96
Well KR-67-35-701		Well KR-67-42-603		Well KR-67-44-201	
Apr. 5, 1973	+4.75	Apr. 3, 1973	+28.72		
Feb. 28, 1974	+5.35			Feb. 13, 1975	+66.68
Jan. 5, 1975	+5.00	Well KR-67-42-906		Jan. 27, 1976	+66.68
Jan. 26, 1976	+5.00	Apr. 4, 1973	32.46		
Feb. 2, 1977	+6.50	Feb. 13, 1975	31.90	Well KR-67-44-602	
		Feb. 1, 1977	33.60	Feb. 28, 1974	+0.57
Well KR-67-36-503		Well KR-67-43-104		Feb. 12, 1975	+0.47
Apr. 4, 1973	61.400	Apr. 3, 1973	+18.880	Jan. 27, 1976	+0.62
Feb. 28, 1974	61.20	Mar. 1, 1974	+18.88	Jan. 31, 1977	+0.77
Feb. 11, 1975	63.30	Feb. 12, 1975	+16.57		
Jan. 27, 1976	62.24	Jan. 27, 1976	+11.95	Well KR-67-44-701	
Feb. 2, 1977	60.20	Feb. 1, 1977	+16.57	Apr. 4, 1973	+69.99
Well KR-67-36-601		Well KR-67-43-204		Feb. 28, 1974	+63.06
Apr. 4, 1973	14.81	Apr. 3, 1973	18.21	Feb. 12, 1975	+69.99
Feb. 28, 1974	14.82	Mar. 1, 1974	17.56	Jan. 27, 1976	+72.30
Feb. 11, 1975	14.35	Feb. 12, 1975	17.61	Jan. 31, 1977	+72.30
Jan. 27, 1976	14.55	Feb. 26, 1976	22.42		
Feb. 2, 1977	13.83	Feb. 2, 1977	19.00		

GUADALUPE COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well KX-67-18-603		Well KX-67-33-407—Continued		Well KX-68-32-801—Continued	
Mar. 29, 1973	22.20	Jan. 21, 1976	148.97	Feb. 20, 1975	85.43
Jan. 16, 1976	17.98	Feb. 3, 1977	148.00	Jan. 21, 1976	85.34
Well KX-67-26-512		Well KX-67-34-302		Well KX-68-40-102	
Jan. 16, 1976	91.72	Apr. 2, 1973	61.31	Mar. 30, 1973	33.75
Feb. 3, 1977	81.09	Feb. 22, 1974	61.73	Feb. 25, 1974	29.03
Well KX-67-27-201		Feb. 19, 1975	61.17	Feb. 20, 1975	27.92
Mar. 29, 1973	86.99	Jan. 16, 1976	61.00	Jan. 21, 1976	29.85
Feb. 22, 1974	93.68	Well KX-67-34-402		Feb. 2, 1977	25.87
Feb. 19, 1975	86.60	Apr. 2, 1973	184.35	Well KX-68-40-310	
Jan. 16, 1976	86.76	Feb. 22, 1974	184.15	Mar. 30, 1973	102.84
Feb. 3, 1977	85.91	Feb. 19, 1975	183.46	Feb. 25, 1974	103.80
Well KX-67-33-401		Jan. 21, 1976	181.98	Feb. 20, 1975	102.89
Apr. 2, 1973	65.10	Feb. 2, 1977	181.63	Jan. 21, 1976	103.08
Feb. 25, 1974	65.14	Well KX-67-34-704		Feb. 2, 1977	102.44
Feb. 19, 1975	63.29	Apr. 2, 1973	41.14	Well KX-68-40-401	
Jan. 21, 1976	63.68	Feb. 22, 1974	40.15	Apr. 2, 1973	43.94
Feb. 2, 1977	62.75	Feb. 19, 1975	39.91	Feb. 25, 1974	43.49
Well KX-67-33-407		Jan. 21, 1976	38.91	Feb. 20, 1975	41.15
Apr. 2, 1973	149.23	Feb. 3, 1977	38.20	Jan. 21, 1976	40.94
Feb. 25, 1974	150.24	Well KX-68-32-801		Feb. 2, 1977	39.85
Feb. 19, 1975	149.80	Mar. 30, 1973	86.06		
		Feb. 22, 1974	88.51		

KARNES COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well PZ-67-50-903		Well PZ-79-01-901		Well PZ-79-10-402	
Mar. 14, 1973	51.22	Aug. 30, 1973	309.50	Mar. 11, 1974	132.54
Mar. 12, 1974	51.60	Mar. 12, 1975	319.15	Mar. 12, 1975	125.30
Mar. 12, 1975	61.75	Feb. 4, 1977	300.60	Feb. 6, 1976	128.45
Feb. 6, 1976	53.46			Feb. 3, 1977	121.89
Feb. 4, 1977	47.85	Well PZ-79-02-101		Well PZ-79-10-601	
Well PZ-67-59-201		Mar. 14, 1973	29.08	Mar. 13, 1973	35.27
Mar. 14, 1973	202.79	Mar. 12, 1974	13.44	Mar. 11, 1974	32.82
Well PZ-78-16-601		Mar. 12, 1975	24.25	Mar. 12, 1975	31.00
Mar. 27, 1973	154.85	Feb. 6, 1976	26.74	Feb. 6, 1976	32.78
Feb. 20, 1974	151.98	Feb. 4, 1977	11.52	Feb. 3, 1977	30.34
Jan. 28, 1975	156.12	Well PZ-79-02-301		Well PZ-79-11-803	
Mar. 12, 1975	155.44	Mar. 14, 1973	43.33*	Mar. 13, 1973	21.15*
Jan. 23, 1976	156.92	Mar. 12, 1974	35.07	Mar. 11, 1974	21.44
Feb. 6, 1976	157.10	Mar. 12, 1975	46.65	Mar. 12, 1975	18.28
Feb. 16, 1977	155.32	Feb. 4, 1977	31.62	Feb. 6, 1976	20.61
Well PZ-78-16-606		Well PZ-79-02-801		Feb. 3, 1977	15.84
Mar. 14, 1973	109.85	Mar. 14, 1973	86.28	Well PZ-79-11-901	
Mar. 14, 1974	107.10	Well PZ-79-03-702		Mar. 13, 1973	91.84
Mar. 12, 1975	122.68	Mar. 13, 1973	23.69	Mar. 11, 1974	94.26
Feb. 6, 1976	133.54	Mar. 11, 1974	21.79	Mar. 12, 1975	91.00
Feb. 4, 1977	140.40	Mar. 12, 1975	21.72	Feb. 6, 1976	94.23
Well PZ-79-01-701		Feb. 6, 1976	23.82	Well PZ-79-18-301	
Mar. 14, 1973	98.01	Feb. 3, 1977	21.18	Mar. 14, 1973	69.18Q
Mar. 12, 1974	96.48	Well PZ-79-09-801		Mar. 11, 1974	66.28
Mar. 12, 1975	94.35	Mar. 14, 1973	154.97	Mar. 12, 1975	66.27
Feb. 6, 1976	98.13	Mar. 11, 1974	170.50	Mar. 6, 1976	66.24
Feb. 4, 1977	91.92	Mar. 12, 1975	165.90	Feb. 3, 1977	65.00
		Feb. 6, 1976	164.57		
		Feb. 3, 1977	164.12		

LA SALLE COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well RX-77-22-801		Well RX-77-30-801		Well RX-77-32-601—Continued	
Mar. 12, 1973	125.72*	Mar. 12, 1973	264.62	Feb. 12, 1974	68.83
Feb. 12, 1974	121.94	Feb. 12, 1974	268.01	Jan. 15, 1975	68.85
Jan. 13, 1975	109.39	Jan. 13, 1975	278.70	Jan. 15, 1976	70.03
Jan. 13, 1976	109.76	Jan. 14, 1976	268.06	Jan. 18, 1977	67.17
Jan. 12, 1977	95.45	Jan. 27, 1977	270.58		
Well RX-77-22-902		Well RX-77-31-101		Well RX-77-37-301	
Mar. 12, 1973	69.86	Mar. 12, 1973	81.00	Mar. 12, 1973	172.93
Feb. 12, 1974	56.65	Jan. 15, 1975	79.40	Feb. 11, 1974	171.05
Jan. 13, 1975	62.77	Jan. 15, 1976	76.85	Jan. 6, 1975	192.06
Jan. 13, 1976	37.76Q	Jan. 12, 1977	73.54	Jan. 13, 1976	175.87
Jan. 12, 1977	43.83			Jan. 10, 1977	167.29
Well RX-77-24-801		Well RX-77-31-604		Well RX-77-38-201	
Mar. 14, 1973	39.94	Mar. 13, 1973	45.10	Mar. 12, 1973	225.93
Feb. 12, 1974	42.94	Feb. 12, 1974	38.80	Feb. 11, 1974	224.05
Jan. 15, 1975	46.50	Jan. 13, 1975	44.20	Jan. 13, 1975	232.57
Jan. 15, 1976	48.86	Jan. 13, 1976	35.27	Jan. 13, 1976	224.63
Jan. 18, 1977	49.92	Jan. 13, 1977	36.94	Jan. 27, 1977	214.01
Well RX-77-29-901		Well RX-77-31-703		Well RX-77-38-901	
Mar. 12, 1973	184.20Q	Mar. 13, 1973	234.66	Mar. 14, 1973	180.33
		Feb. 13, 1974	236.30	Apr. 19, 1973	178.62
Well RX-77-30-502		Jan. 13, 1975	243.45	May 21, 1973	182.70
Mar. 12, 1973	312.98	Jan. 14, 1976	243.09	July 23, 1973	180.82
Jan. 13, 1975	328.88	Jan. 13, 1977	241.40	Aug. 20, 1973	190.78
Jan. 13, 1976	326.34			Sept. 19, 1973	186.58
Jan. 27, 1977	324.05	Well RX-77-32-501		Oct. 25, 1973	180.72
Well RX-77-30-605		Mar. 14, 1973	101.44*	Nov. 19, 1973	180.78
Mar. 12, 1973	89.86	Feb. 12, 1974	97.41	Jan. 21, 1974	181.97
Feb. 12, 1974	90.35	Jan. 15, 1975	96.90	Apr. 19, 1974	182.90
Jan. 13, 1975	93.20*	Jan. 15, 1976	98.50	July 18, 1974	196.51
Jan. 14, 1976	89.60	Jan. 18, 1977	96.43	Jan. 15, 1975	194.34
Jan. 27, 1977	93.30			Apr. 22, 1975	190.54
		Well RX-77-32-601		July 23, 1975	195.96
		Mar. 14, 1973	69.17		

LA SALLE COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well RX-77-38-901—Continued		Well RX-77-46-801		Well RX-77-56-801	
Oct. 20, 1975	187.92	Mar. 13, 1973	33.69	Mar. 13, 1973	+9.70
Jan. 14, 1976	181.57	Feb. 11, 1974	34.98	Feb. 12, 1974	+9.94
May 6, 1976	186.30	Jan. 14, 1975	32.93	Jan. 14, 1975	+9.63
June 21, 1976	186.62			Jan. 14, 1976	+0.75
Aug. 23, 1976	188.37	Well RX-77-46-804		Jan. 18, 1977	+1.03
Oct. 18, 1976	189.51	Mar. 12, 1973	2.92		
Dec. 20, 1976	183.68	Feb. 11, 1974	3.33	Well RX-77-56-802	
Jan. 28, 1977	179.70	Jan. 14, 1975	3.30	Mar. 13, 1973	+67.28
Feb. 24, 1977	176.77	Jan. 14, 1976	3.03	Feb. 12, 1974	+53.42
		Jan. 12, 1977	1.97	Jan. 14, 1975	+69.59
Well RX-77-39-301				Jan. 14, 1976	+71.90
Mar. 14, 1973	306.94	Well RX-77-47-802		Jan. 18, 1977	+64.97
Feb. 12, 1974	293.49	Mar. 13, 1973	41.00		
Jan. 15, 1975	312.30	Feb. 13, 1974	25.68	Well RX-77-62-401	
Jan. 13, 1976	310.69	Jan. 14, 1975	0.73	Mar. 13, 1973	110.59
Jan. 13, 1977	304.10			Feb. 11, 1974	109.59
		Well RX-77-48-301		Jan. 14, 1975	108.55
Well RX-77-39-601		Mar. 13, 1973	131.77	Jan. 14, 1976	113.28
Mar. 14, 1973	80.49	Feb. 12, 1974	127.66	Jan. 27, 1977	107.12
Jan. 14, 1975	77.83	Jan. 15, 1975	136.62		
Jan. 15, 1976	75.98	Jan. 14, 1976	136.26	Well RX-77-64-401	
Jan. 28, 1977	75.08	Jan. 28, 1977	133.74	Mar. 13, 1973	51.01*
				Feb. 11, 1974	51.30
Well RX-77-39-709		Well RX-77-48-602		Jan. 14, 1975	53.29
Mar. 13, 1973	32.77	Mar. 13, 1973	105.16	Jan. 14, 1976	57.28
Jan. 15, 1975	36.22	Feb. 12, 1974	103.33	Jan. 27, 1977	60.20*
Jan. 14, 1976	46.19	Jan. 15, 1975	109.56		
Jan. 28, 1977	36.45	Jan. 14, 1976	108.87	Well RX-78-25-803	
				Mar. 14, 1973	75.04
Well RX-77-40-303		Well RX-77-56-202		Jan. 12, 1974	82.70
Mar. 14, 1973	130.62	Feb. 13, 1974	+37.55	Jan. 15, 1975	83.22
Feb. 12, 1974	125.41	Jan. 14, 1975	+30.62	Jan. 13, 1976	73.97
Jan. 15, 1975	137.81	Jan. 14, 1976	+31.78	Jan. 28, 1977	72.80

LA SALLE COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL
Well RX-78-26-802		Well RX-78-41-301	
Mar. 12, 1973	60.05	Mar. 14, 1973	168.61
Feb. 11, 1974	47.99	Feb. 12, 1974	166.73
Jan. 14, 1975	57.53	Jan. 15, 1975	173.55
Jan. 15, 1976	50.55	Jan. 13, 1976	166.54
Jan. 13, 1977	53.20	Jan. 28, 1977	165.46

LIVE OAK COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well SJ-78-23-502		Well SJ-78-64-301		Well SJ-79-49-401	
Feb. 20, 1974	11.08	Mar. 16, 1973	121.92	Mar. 16, 1973	102.92*
Well SJ-78-47-401		Feb. 15, 1977	119.81	Feb. 18, 1977	95.60
Mar. 16, 1973	205.38	Well SJ-79-41-401		Well SJ-79-49-905	
Well SJ-78-54-901		Mar. 16, 1973	44.13	Feb. 18, 1977	69.28
Feb. 15, 1977	29.40*	Feb. 18, 1977	42.26	Well SJ-79-50-402	
Well SJ-78-63-101		Well SJ-79-49-301		Mar. 16, 1973	110.94
Mar. 16, 1973	136.51	Mar. 16, 1973	74.09	Feb. 18, 1977	101.57
Feb. 15, 1977	138.22	Feb. 18, 1977	72.83	Well SJ-79-57-202	
				Mar. 16, 1973	78.93

MCMULLEN COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well SU-78-21-801		Well SU-78-27-503—Continued		Well SU-78-28-601—Continued	
Mar. 12, 1973	65.03	Sept. 28, 1973	65.46	Jan. 13, 1975	+101.64
Feb. 11, 1974	57.90	Oct. 19, 1973	70.95	Jan. 14, 1976	+99.33
Jan. 13, 1975	67.15	Nov. 16, 1973	70.24	Well SU-78-28-602	
Jan. 15, 1976	62.87	Feb. 11, 1974	66.87	Mar. 12, 1973	+27.10
Jan. 17, 1977	64.63	Apr. 17, 1974	68.96	Feb. 11, 1974	+34.03
Well SU-78-26-502		July 19, 1974	75.93	Jan. 13, 1975	+27.10
Mar. 12, 1973	+6.40	Oct. 25, 1974	72.03	Jan. 14, 1976	+31.72
Feb. 11, 1974	1.97	Apr. 25, 1975	75.82	Jan. 17, 1977	+31.72
Jan. 13, 1975	4.45	Oct. 24, 1975	72.28	Well SU-78-28-702	
Jan. 15, 1976	4.20	Jan. 15, 1976	72.86	Mar. 13, 1973	55.36
Jan. 13, 1977	5.14	Apr. 23, 1976	75.27	Feb. 12, 1974	53.34
Well SU-78-26-601		Aug. 3, 1976	78.21	Jan. 14, 1975	57.26
Mar. 12, 1973	24.64	Oct. 18, 1976	78.54	Jan. 14, 1976	53.01
Feb. 11, 1974	39.12	Jan. 17, 1977	75.44	Jan. 18, 1977	59.37
Jan. 13, 1975	31.47	Well SU-78-28-101		Well SU-78-36-902	
Jan. 15, 1976	22.91	Mar. 12, 1973	+23.79	Mar. 13, 1973	27.19
Jan. 13, 1977	20.64	Feb. 11, 1974	+28.41	Feb. 12, 1974	25.10
Well SU-78-27-303		Jan. 13, 1975	+23.79	Jan. 14, 1975	25.64
Mar. 12, 1973	77.60	Jan. 14, 1976	+26.10	Jan. 14, 1976	23.27
Feb. 11, 1974	68.40	Jan. 17, 1977	+30.62	Jan. 18, 1977	22.48
Jan. 13, 1975	80.11	Well SU-78-28-501		Well SU-78-37-103	
Jan. 14, 1976	74.61	Mar. 12, 1973	23.07	Mar. 13, 1973	48.62
Jan. 17, 1977	77.10	Feb. 11, 1974	15.81	Feb. 12, 1974	41.68
Well SU-78-27-503		Jan. 13, 1975	24.74	Jan. 14, 1975	35.66
Mar. 12, 1973	76.41	Jan. 15, 1976	19.38	Jan. 14, 1976	41.47
Apr. 19, 1973	71.43	Jan. 17, 1977	22.55	Jan. 18, 1977	45.35
May 22, 1973	74.90	Well SU-78-28-601		Well SU-78-38-101	
July 23, 1973	72.80	Mar. 12, 1973	+103.95	Mar. 13, 1973	+76.92
Aug. 23, 1973	72.20	Feb. 11, 1974	+97.02	Feb. 12, 1974	+46.89

MCMULLEN COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well SU-78-38-101—Continued		Well SU-78-42-902			
Jan. 14, 1975	+60.75	Mar. 13, 1975	25.03		
Jan. 14, 1976	+46.89	Feb. 12, 1974	27.86		
Jan. 18, 1977	+51.41	Jan. 13, 1975	28.86		
		Jan. 14, 1976	30.03		
		Jan. 18, 1977	32.02		

MAVERICK COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well TB-76-07-901		Well TB-76-07-919—Continued		Well TB-76-08-401—Continued	
Mar. 6, 1973	71.56	Jan. 7, 1976	72.13	Apr. 26, 1976	59.69
Feb. 8, 1974	68.21	Apr. 30, 1976	71.55	July 22, 1976	59.77
Apr. 22, 1974	61.20	July 22, 1976	71.64	Oct. 19, 1976	59.15
Jan. 6, 1975	65.45	Oct. 19, 1976	71.52	Jan. 6, 1977	58.84
Jan. 7, 1976	68.56	Jan. 6, 1977	70.77		
Jan. 6, 1977	68.10			Well TB-76-15-302	
Well TB-76-07-919		Well TB-76-08-401		Mar. 6, 1973	93.22
Mar. 6, 1973	71.20	Mar. 6, 1973	61.10	Feb. 7, 1974	94.54
Apr. 18, 1973	71.23	Apr. 18, 1973	58.50	Jan. 7, 1975	79.60
May 23, 1973	70.85	May 23, 1973	60.32	Jan. 7, 1976	112.73
July 24, 1973	70.90	July 24, 1973	58.77	Jan. 11, 1977	89.72
Aug. 20, 1973	72.43	Aug. 20, 1973	58.96		
Sept. 20, 1973	70.96	Sept. 20, 1973	59.52	Well TB-76-16-701	
Oct. 25, 1973	70.13	Oct. 25, 1973	58.70	Jan. 7, 1976	98.14
Nov. 20, 1973	70.48	Nov. 20, 1973	58.81	Jan. 11, 1977	97.70
Jan. 23, 1974	72.74	Jan. 23, 1974	58.92		
Apr. 22, 1974	71.22	Apr. 22, 1974	59.20	Well TB-76-23-301	
July 11, 1974	72.81	July 11, 1974	59.20	Mar. 8, 1973	49.94
Oct. 23, 1974	70.09	Oct. 23, 1974	58.96		
Jan. 6, 1975	69.58	Jan. 6, 1975	59.10	Well TB-76-24-101	
Apr. 24, 1975	69.33	Apr. 24, 1975	59.15	Mar. 8, 1973	85.75
July 9, 1975	69.10	July 9, 1975	58.58	Feb. 7, 1974	89.80
Oct. 21, 1975	69.90	Oct. 21, 1975	58.35	Jan. 7, 1975	85.51
		Jan. 7, 1976	59.56	Jan. 7, 1976	85.45
				Jan. 11, 1977	85.15

MEDINA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well TD-68-49-808		Well TD-68-57-307		Well TD-68-58-109	
Feb. 23, 1973	71.75	Feb. 23, 1973	98.92	Feb. 23, 1973	118.30
Feb. 20, 1974	69.23	May 22, 1973	99.46	Jan. 31, 1975	123.07
Jan. 31, 1975	68.93	June 29, 1973	99.70	Jan. 5, 1976	126.86
Jan. 5, 1976	68.13	July 20, 1973	99.62	Jan. 26, 1977	124.85
Jan. 26, 1977	64.20	Aug. 23, 1973	99.84		
Well TD-68-49-902		Sept. 28, 1973	100.16	Well TD-69-54-901	
Feb. 23, 1973	73.26	Oct. 19, 1973	100.19	Feb. 23, 1973	43.28
Jan. 31, 1975	73.27	Nov. 16, 1973	100.14	Jan. 5, 1976	32.73
Jan. 5, 1976	73.66	July 30, 1974	100.80	Jan. 26, 1977	29.44
Jan. 26, 1977	72.30	Nov. 1, 1974	100.73		
Well TD-68-50-702		Jan. 31, 1975	101.05	Well TD-69-55-901	
Feb. 20, 1974	134.74	Apr. 25, 1975	101.44	Feb. 23, 1973	19.25
Feb. 19, 1975	135.55	Oct. 24, 1975	102.07	Feb. 20, 1974	13.16
Jan. 5, 1976	135.74	Jan. 5, 1976	102.39	Jan. 31, 1975	13.80
Jan. 26, 1977	135.14	Apr. 30, 1976	102.58	Jan. 5, 1976	15.90
Well TD-68-57-210		July 30, 1976	102.67	Jan. 26, 1977	13.68
Feb. 23, 1973	134.90	Jan. 26, 1977	102.88		
Feb. 20, 1974	136.86	Well TD-68-58-101		Well TD-69-56-101	
Feb. 13, 1976	140.30	Feb. 23, 1973	127.92	Feb. 23, 1973	31.77
Feb. 16, 1977	139.29	Feb. 20, 1974	128.48	Feb. 20, 1974	24.24
		Jan. 31, 1975	130.39	Feb. 19, 1975	22.04
		Jan. 5, 1976	131.29	Jan. 5, 1976	21.51
		Jan. 26, 1977	132.51	Jan. 26, 1977	18.90

WEBB COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well YZ-77-49-601		Well YZ-77-58-901		Well YZ-85-06-802	
Feb. 27, 1973	264.36	Feb. 28, 1973	222.30	Feb. 27, 1973	92.45
Feb. 5, 1974	266.25	Feb. 6, 1974	226.76	Feb. 4, 1974	95.75
Jan. 9, 1975	262.55	Jan. 9, 1975	226.96	Jan. 10, 1975	90.00
Jan. 6, 1976	264.21	Jan. 6, 1976	228.66	Jan. 5, 1976	89.80
Jan. 5, 1977	266.30	Jan. 5, 1977	228.65	Jan. 4, 1977	89.50
Well YZ-77-50-601		Well YZ-77-59-401		Well YZ-85-11-302	
Feb. 28, 1973	117.48	Feb. 28, 1973	287.66	Mar. 1, 1973	91.80
Feb. 5, 1974	216.13	Feb. 5, 1974	285.94	Feb. 5, 1974	93.48
Jan. 9, 1975	216.61	Jan. 9, 1975	278.85	Jan. 6, 1976	106.74
Jan. 6, 1976	216.58	Jan. 7, 1976	272.37		
Jan. 5, 1977	220.25	Jan. 5, 1977	274.92	Well YZ-85-13-303	
Well YZ-77-57-501		Well YZ-77-61-301		Feb. 27, 1973	144.60
Feb. 27, 1973	92.07	Feb. 27, 1973	160.27*	Feb. 4, 1974	161.16
Feb. 5, 1974	92.43	Feb. 4, 1974	156.80	Jan. 10, 1975	168.20
Jan. 9, 1975	92.27	Jan. 15, 1975	151.40	Jan. 5, 1976	139.25
Jan. 6, 1976	93.23	Jan. 5, 1976	150.36	Jan. 4, 1977	136.94
Jan. 5, 1977	94.75	Jan. 4, 1977	149.90	Well YZ-85-13-402	
Well YZ-77-58-301		Well YZ-85-01-301		Feb. 28, 1973	282.91
Feb. 28, 1973	206.48	Feb. 27, 1973	164.31	Feb. 6, 1974	274.78
Feb. 5, 1974	207.03	Feb. 5, 1974	165.00*	Jan. 9, 1975	275.14
Jan. 9, 1975	202.87	Jan. 9, 1975	164.77	Jan. 6, 1976	275.61
Jan. 7, 1976	206.05*	Jan. 6, 1976	165.34	Jan. 5, 1977	274.56
Jan. 5, 1977	211.41	Jan. 5, 1977	166.24	Well YZ-85-19-201	
Well YZ-77-58-701		Well YZ-85-04-401		Feb. 4, 1974	39.58
Feb. 27, 1973	210.40	Feb. 28, 1973	167.02	Jan. 10, 1975	39.32
Feb. 5, 1974	211.26	Feb. 6, 1974	170.21	Jan. 5, 1977	39.42
Jan. 9, 1975	211.72	Jan. 6, 1976	175.27	Well YZ-85-20-501	
Jan. 6, 1976	212.29	Jan. 5, 1977	176.00	Feb. 28, 1973	127.90
Jan. 5, 1977	200.67			Feb. 5, 1974	181.00

WEBB COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well YZ-85-20-501—Continued		Well YZ-85-29-803		Well YZ-85-37-405—Continued	
Jan. 10, 1975	138.38	Feb. 28, 1973	76.27	Jan. 10, 1975	80.84
Jan. 6, 1976	171.37	Feb. 4, 1974	97.60*	Jan. 5, 1976	89.78
Jan. 4, 1977	133.85	Jan. 10, 1975	67.32	Jan. 4, 1977	91.29
Well YZ-85-29-301		Jan. 5, 1976	100.10*	Well YZ-85-46-401	
Feb. 28, 1973	68.22	Jan. 4, 1977	70.40	Feb. 27, 1973	110.09
Jan. 10, 1975	66.42	Well YZ-85-37-405		Feb. 4, 1974	110.57
Jan. 5, 1976	64.72	Feb. 27, 1973	97.20	Jan. 10, 1975	118.75
Jan. 5, 1977	60.36	Feb. 4, 1974	100.62	Jan. 5, 1976	122.43
				Jan. 4, 1977	110.92

WILSON COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZL-67-41-102		Well ZL-67-41-801—Continued		Well ZL-67-50-102	
Mar. 9, 1973	174.48	Jan. 27, 1975	148.21	Mar. 22, 1973	61.49
Apr. 20, 1973	174.49	Jan. 16, 1976	142.49	Jan. 29, 1975	67.61*
May 21, 1973	174.70	Jan. 20, 1977	147.15		
July 19, 1973	174.93			Well ZL-67-50-103	
Aug. 20, 1973	175.10	Well ZL-67-42-401		Mar. 22, 1973	28.11
Sept. 18, 1973	175.24	Mar. 9, 1973	17.35	Feb. 14, 1974	26.30
Oct. 18, 1973	175.19	Feb. 14, 1974	14.21	Jan. 29, 1975	26.67
Nov. 15, 1973	174.83	Jan. 27, 1975	13.43	Jan. 16, 1976	26.18
Jan. 22, 1974	174.76	Jan. 16, 1976	14.26	Jan. 14, 1977	24.40
Apr. 17, 1974	175.39	Jan. 14, 1977	12.00		
July 3, 1974	175.33			Well ZL-67-57-101	
Oct. 23, 1974	175.86	Well ZL-67-42-801		Mar. 22, 1973	57.85
Jan. 27, 1975	175.88	Jan. 31, 1975	+4.00	Feb. 11, 1974	70.28*
Apr. 23, 1975	175.04			Jan. 24, 1975	68.15
July 10, 1975	174.97	Well ZL-67-49-201		Jan. 14, 1976	72.10
Oct. 23, 1975	174.93	Mar. 22, 1973	83.56	Jan. 20, 1977	73.80
Jan. 16, 1976	174.96	Jan. 27, 1975	83.46		
Apr. 22, 1976	174.99	Jan. 16, 1976	83.28	Well ZL-68-47-301	
July 13, 1976	174.81	Jan. 14, 1977	82.60	Mar. 9, 1973	71.90
Oct. 20, 1976	175.31			Feb. 14, 1974	73.84
Jan. 14, 1977	174.50	Well ZL-67-49-202		Jan. 23, 1975	71.60
		Mar. 22, 1973	78.73	Jan. 15, 1976	71.55
		Feb. 14, 1974	84.34	Jan. 17, 1977	71.90
		Jan. 27, 1975	80.16		
		Jan. 16, 1976	79.15	Well ZL-68-47-601	
		Jan. 14, 1977	76.00	Jan. 31, 1975	204.94
				Jan. 15, 1976	203.58
		Well ZL-67-50-101		Jan. 18, 1977	201.94
		Mar. 22, 1973	80.85		
		Feb. 14, 1974	78.29	Well ZL-68-47-903	
		Jan. 29, 1975	78.84	Mar. 9, 1973	157.70
		Jan. 16, 1976	79.22	Feb. 14, 1974	167.59
		Jan. 14, 1977	77.35	Jan. 23, 1975	172.74
Well ZL-67-41-401					
Mar. 9, 1973	127.02				
Feb. 14, 1974	121.78				
Jan. 27, 1975	128.85				
Jan. 16, 1976	127.03				
Jan. 20, 1977	126.94				
Well ZL-67-41-801					
Mar. 9, 1973	157.93				
Feb. 14, 1974	157.44				

WILSON COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZL-68-47-903—Continued		Well ZL-68-48-601		Well ZL-68-48-812—Continued	
Jan. 15, 1976	171.44	Mar. 9, 1973	90.37	July 13, 1976	29.00
Jan. 18, 1977	169.42	Feb. 28, 1974	88.02	Oct. 20, 1976	29.31
Well ZL-68-48-401		Feb. 23, 1975	89.00*	Jan. 18, 1977	28.83
Mar. 9, 1973	67.89	Jan. 15, 1976	88.23*	Well ZL-68-48-907	
Apr. 20, 1973	68.00	Jan. 18, 1977	85.84	Mar. 9, 1973	102.42
May 21, 1973	68.54	Well ZL-68-48-802		Feb. 28, 1974	98.87
July 19, 1973	67.01	Mar. 9, 1973	13.62	Jan. 23, 1975	99.85
Aug. 20, 1973	67.63	Feb. 14, 1974	11.67	Jan. 15, 1976	98.24
Sept. 18, 1973	68.50	Jan. 23, 1975	12.55	Jan. 18, 1977	98.13
Oct. 18, 1973	65.86	Jan. 18, 1977	11.25	Well ZL-68-54-301	
Nov. 15, 1973	65.60	Well ZL-68-48-812		Mar. 16, 1973	102.08
Jan. 22, 1974	65.26	Mar. 9, 1973	30.62	Feb. 11, 1974	99.41
Apr. 17, 1974	65.54	Apr. 20, 1973	29.49	Jan. 20, 1975	107.08
July 3, 1974	65.86	May 21, 1973	30.82	Jan. 12, 1976	99.81
Oct. 23, 1974	67.29	July 19, 1973	29.90	Jan. 10, 1977	99.68
Jan. 23, 1975	66.09	Aug. 20, 1973	30.20	Well ZL-68-54-506	
Apr. 23, 1975	65.11	Sept. 18, 1973	30.03	Mar. 16, 1973	29.98
July 10, 1975	65.05	Oct. 18, 1973	29.03	Apr. 19, 1973	29.66
Oct. 23, 1975	65.36	Nov. 15, 1973	28.89	May 21, 1973	29.37
Jan. 15, 1976	65.53	Jan. 22, 1974	28.90	July 19, 1973	28.91
Apr. 22, 1976	64.87	Apr. 17, 1974	30.63	Aug. 20, 1973	28.73
July 13, 1976	65.56	July 3, 1974	30.53	Sept. 18, 1973	28.69
Oct. 20, 1976	66.43	Oct. 23, 1974	30.27	Oct. 18, 1973	28.23
Jan. 14, 1977	65.06	Jan. 23, 1975	31.30	Nov. 15, 1973	27.81
Well ZL-68-48-502		Apr. 23, 1975	29.71	Jan. 22, 1974	28.29
Mar. 9, 1973	31.63	July 10, 1975	28.82	Apr. 17, 1974	27.66
Jan. 23, 1975	30.82	Oct. 23, 1975	29.36	July 23, 1974	28.60
Jan. 15, 1976	30.68	Jan. 15, 1976	29.11	Jan. 21, 1975	28.74
Jan. 18, 1977	31.43	Apr. 22, 1976	29.40	Apr. 23, 1975	28.42

WILSON COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZL-68-54-506—Continued		Well ZL-68-55-202—Continued		Well ZL-68-55-704—Continued	
July 10, 1975	27.66	Aug. 20, 1973	117.77	Jan. 12, 1976	39.08*
Oct. 23, 1975	28.40	Sept. 18, 1973	113.22	Jan. 10, 1977	36.50
Jan. 12, 1976	28.64	Oct. 18, 1973	113.05	Well ZL-68-55-705	
Apr. 22, 1976	29.09	Nov. 15, 1973	112.37	Mar. 16, 1973	64.85
July 13, 1976	28.86	Jan. 22, 1974	112.54	Feb. 10, 1974	62.00
Oct. 19, 1976	29.80	Apr. 17, 1974	115.21	Jan. 20, 1975	62.58
Jan. 10, 1977	29.25	July 23, 1974	119.82	Jan. 12, 1976	62.42
Well ZL-68-54-602		Oct. 23, 1974	112.62	Jan. 10, 1977	62.00
Mar. 16, 1973	135.66	Jan. 20, 1975	111.82	Well ZL-68-55-805	
Feb. 11, 1974	134.39	Apr. 23, 1975	111.85	Mar. 16, 1973	44.54
Jan. 21, 1975	134.91	July 10, 1975	115.23	Jan. 20, 1975	45.03*
Jan. 12, 1976	135.19	Jan. 12, 1976	113.44	Jan. 13, 1976	47.70
Jan. 10, 1977	134.92	Apr. 22, 1976	112.43	Jan. 17, 1977	45.55
Well ZL-68-54-802		July 13, 1976	112.38	Well ZL-68-55-903	
Mar. 16, 1973	193.42	Oct. 19, 1976	113.28	Mar. 26, 1973	20.33
Feb. 27, 1974	195.09	Jan. 10, 1977	117.78	Jan. 30, 1975	18.20
Jan. 30, 1975	194.44	Well ZL-68-55-407		Jan. 15, 1976	23.50*
Jan. 12, 1976	197.14	Mar. 16, 1973	72.78	Jan. 11, 1977	21.10
Jan. 17, 1977	194.44	Feb. 11, 1974	67.88	Well ZL-68-56-101	
Well ZL-68-54-901		Jan. 21, 1975	68.68	Mar. 21, 1973	87.11
Mar. 16, 1973	132.01	Jan. 12, 1976	70.93	Feb. 14, 1974	92.03
Feb. 28, 1974	136.27	Jan. 10, 1977	68.40	Jan. 31, 1975	88.20
Jan. 25, 1975	132.15	Well ZL-68-55-601		Jan. 15, 1976	85.40
Jan. 12, 1976	138.94	Mar. 21, 1973	116.83	Jan. 18, 1977	85.16
Well ZL-68-55-202		Jan. 24, 1975	123.14	Well ZL-68-56-201	
Mar. 21, 1973	112.86	Jan. 15, 1976	123.42	Mar. 21, 1973	33.52
Apr. 19, 1973	112.78	Jan. 17, 1977	122.34	Feb. 13, 1974	32.64
May 21, 1973	118.49	Well ZL-68-55-704		Jan. 24, 1975	33.04
July 19, 1973	118.38	Mar. 16, 1973	36.20		
		Jan. 29, 1975	34.97*		

WILSON COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZL-68-56-201—Continued		Well ZL-68-56-902—Continued		Well ZL-68-62-205	
Jan. 15, 1976	33.07	May 21, 1973	76.44	Mar. 26, 1973	143.26
Jan. 18, 1977	32.61	July 19, 1973	76.81	Jan. 30, 1975	145.85
Well ZL-68-56-302		Aug. 20, 1973	78.03	Jan. 12, 1976	147.17
Mar. 21, 1973	34.64	Sept. 18, 1973	77.40	Jan. 17, 1977	143.07
Feb. 14, 1974	33.53	Oct. 18, 1973	73.68	Well ZL-68-62-503	
Jan. 23, 1975	33.96	Nov. 15, 1973	75.94	Mar. 26, 1973	92.25
Jan. 15, 1976	33.59	Jan. 22, 1974	76.00	Feb. 27, 1974	116.08
Jan. 18, 1977	33.13	July 3, 1974	83.22	Jan. 22, 1975	101.30
Well ZL-68-56-401		Oct. 23, 1974	80.12	Jan. 14, 1976	97.65
Mar. 21, 1973	177.50	Jan. 24, 1975	77.19	Jan. 17, 1977	95.80
Feb. 11, 1974	179.97	Apr. 23, 1975	78.83	Well ZL-68-62-607	
Jan. 23, 1975	175.02	July 10, 1975	74.37	Mar. 22, 1973	62.34
Jan. 15, 1976	178.24	Oct. 23, 1975	78.64	Feb. 27, 1974	62.28
Jan. 17, 1977	178.40	Jan. 14, 1976	77.75	Jan. 22, 1975	63.52
Well ZL-68-56-804		Apr. 22, 1976	79.22	Jan. 14, 1976	61.75
Mar. 21, 1973	94.94	July 13, 1976	78.86	Jan. 17, 1977	60.58
Feb. 11, 1974	92.33	Oct. 20, 1976	79.98	Well ZL-68-62-902	
Jan. 27, 1975	96.29	Jan. 18, 1977	78.10	Mar. 22, 1973	65.15
Jan. 15, 1976	91.41	Well ZL-68-62-102		Apr. 19, 1973	64.00
Jan. 18, 1977	90.57	Mar. 26, 1973	74.96	July 19, 1973	66.06
Well ZL-68-56-901		Feb. 27, 1974	78.69	Aug. 20, 1973	70.00
Mar. 21, 1973	50.47	Jan. 22, 1975	77.08	Sept. 18, 1973	68.85
Feb. 11, 1974	49.24	Jan. 12, 1976	77.45	Oct. 18, 1973	65.79
Jan. 24, 1975	47.98	Jan. 17, 1977	76.72	Nov. 15, 1973	63.07
Jan. 14, 1976	47.78	Well ZL-68-62-202		Jan. 22, 1974	69.19
Jan. 20, 1977	47.70	Mar. 26, 1973	119.81	Jan. 22, 1975	71.13
Well ZL-68-56-902		Jan. 22, 1975	123.14	July 10, 1975	66.31
Mar. 21, 1973	76.91	Jan. 14, 1976	127.78	Apr. 22, 1976	77.98
Apr. 20, 1973	73.53	Jan. 17, 1977	122.66	Jan. 20, 1977	68.58

WILSON COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZL-68-63-101		Well ZL-68-63-207—Continued		Well ZL-68-63-802	
Mar. 26, 1973	76.40	Jan. 14, 1976	39.17	Mar. 22, 1973	96.61
Feb. 27, 1974	74.39	Jan. 11, 1977	39.44	Feb. 11, 1974	95.99
Jan. 22, 1975	78.63			Jan. 22, 1975	94.48
Jan. 14, 1976	75.59	Well ZL-68-63-302		Jan. 14, 1976	103.09
Jan. 11, 1977	68.04	Mar. 22, 1973	62.05	Jan. 11, 1977	102.80
		Feb. 27, 1974	63.39		
		Jan. 31, 1975	62.90	Well ZL-68-64-401	
Well ZL-68-63-207		Jan. 14, 1976	67.00	Mar. 22, 1973	23.02
Mar. 22, 1973	42.79	Jan. 11, 1977	65.58	Jan. 22, 1975	23.74
Feb. 27, 1974	40.34			Jan. 14, 1976	29.38
Jan. 22, 1975	40.38			Jan. 11, 1977	25.80

ZAVALA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZX-69-57-903		Well ZX-69-58-707		Well ZX-69-58-801—Continued	
Mar. 8, 1973	87.13	Mar. 5, 1973	157.14	Jan. 8, 1976	59.70
Feb. 6, 1974	87.88	Feb. 6, 1974	158.00	Jan. 7, 1977	58.44
Jan. 6, 1975	87.42	Jan. 6, 1975	159.45	Well ZX-69-59-401	
Jan. 7, 1976	89.21	Jan. 7, 1976	157.36	Mar. 6, 1973	127.50
Jan. 7, 1977	88.60	Jan. 10, 1977	156.95	Apr. 18, 1973	96.24
Well ZX-69-58-701		Well ZX-69-58-715		May 22, 1973	96.41
Mar. 5, 1973	131.01	Mar. 5, 1973	82.97	July 24, 1973	95.02
Apr. 18, 1973	131.18	Apr. 18, 1973	83.00	Aug. 21, 1973	95.08
May 23, 1973	131.20	May 23, 1973	83.00	Sept. 21, 1973	94.82
July 24, 1973	131.48	July 24, 1973	83.09	Oct. 26, 1973	94.61
Aug. 20, 1973	131.51	Aug. 20, 1973	83.15	Nov. 21, 1973	94.59
Sept. 20, 1973	131.53	Sept. 20, 1973	83.13	Jan. 23, 1974	94.59
Oct. 25, 1973	131.56	Oct. 25, 1973	83.18	Feb. 7, 1974	97.38
Nov. 20, 1973	131.51	Nov. 20, 1973	83.12	Apr. 22, 1974	94.19
Jan. 23, 1974	131.58	Jan. 23, 1974	83.11	July 11, 1974	94.56
Apr. 22, 1974	136.98	Apr. 22, 1974	82.98	Oct. 23, 1974	94.46
July 11, 1974	131.65	July 11, 1974	82.94	Jan. 6, 1975	94.30
Oct. 23, 1974	131.23	Oct. 23, 1974	83.02	Apr. 24, 1975	94.43
Jan. 6, 1975	130.68	Jan. 6, 1975	82.77	July 8, 1975	94.53
Apr. 24, 1975	130.50	Apr. 24, 1975	82.43	Oct. 20, 1974	94.79
June 26, 1975	131.10	June 26, 1975	82.54	Jan. 8, 1976	94.93
Oct. 21, 1975	130.67	Oct. 21, 1975	82.56	Apr. 26, 1976	94.72
Jan. 8, 1976	130.87	Jan. 7, 1976	82.55	July 28, 1976	94.75
July 22, 1976	130.83	Apr. 26, 1976	82.63	Oct. 20, 1976	95.11
Oct. 19, 1976	129.79	July 22, 1976	82.85	Jan. 6, 1977	94.77
Jan. 7, 1977	129.84	Oct. 19, 1976	82.80	Well ZX-69-59-904	
Well ZX-69-58-704		Jan. 7, 1977	82.72	Mar. 6, 1973	216.96
Mar. 5, 1973	170.84	Well ZX-69-58-801		Feb. 7, 1974	236.41
Jan. 6, 1975	165.47	Mar. 8, 1973	59.88	Jan. 6, 1975	216.03
Jan. 8, 1976	164.30	Feb. 6, 1974	60.47	Jan. 9, 1976	220.40
Jan. 7, 1977	160.91	Jan. 6, 1975	59.14	Jan. 5, 1977	207.16

ZAVALA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZX-69-59-911		Well ZX-69-61-525--Continued		Well ZX-76-24-503--Continued	
Jan. 6, 1977	123.54	July 11, 1974	189.74	Jan. 7, 1976	127.17
Well ZX-69-60-201		Oct. 24, 1974	185.42	Jan. 11, 1977	121.92
Mar. 5, 1973	202.15	Jan. 6, 1975	183.58	Well ZX-76-24-901	
Feb. 7, 1974	208.39*	Apr. 24, 1975	182.09	Mar. 6, 1973	98.42
Jan. 6, 1975	202.09	July 8, 1975	181.22	Feb. 7, 1974	121.14
Jan. 9, 1976	199.71	Oct. 20, 1975	179.82	Jan. 8, 1975	106.55
Jan. 6, 1977	198.54	Jan. 9, 1976	178.72	Jan. 7, 1976	87.78
Well ZX-69-61-502		Apr. 26, 1976	178.42	Jan. 3, 1977	85.41
Mar. 5, 1973	197.01	July 27, 1976	178.17	Well ZX-76-24-906	
Feb. 7, 1974	191.71	Oct. 20, 1976	178.00	Mar. 6, 1973	25.93
Jan. 6, 1975	196.98	Jan. 6, 1977	177.22	Apr. 18, 1973	25.64
Jan. 9, 1976	190.38	Well ZX-69-61-818		May 22, 1973	26.93
Jan. 7, 1977	191.69	Mar. 24, 1975	209.00	July 24, 1973	26.93
Well ZX-69-61-517		Jan. 12, 1976	204.62	Aug. 20, 1973	27.12
Mar. 5, 1973	187.57	Jan. 7, 1977	207.07	Sept. 19, 1973	27.35
Apr. 18, 1973	185.77	Well ZX-76-08-503		Oct. 26, 1973	27.16
Feb. 7, 1974	194.03	Mar. 5, 1973	79.22	Nov. 19, 1973	26.56
Well ZX-69-61-525		Feb. 5, 1974	79.95*	Jan. 23, 1974	27.54
Mar. 6, 1973	181.70	Jan. 7, 1975	81.12	Apr. 22, 1974	27.47
Apr. 18, 1973	181.25	Jan. 8, 1976	82.50	July 10, 1974	26.43
May 22, 1973	182.52	Jan. 6, 1977	80.84	Oct. 23, 1974	27.58
June 22, 1973	184.86	Well ZX-76-24-201		Jan. 7, 1975	27.57
July 18, 1973	183.66	Mar. 6, 1973	143.45	Dec. 2, 1975	220.22
Aug. 21, 1973	182.56	Jan. 8, 1975	128.72	Dec. 12, 1975	220.09
Sept. 21, 1973	182.41	Jan. 7, 1976	125.99	Jan. 7, 1976	221.04
Oct. 23, 1973	181.73	Well ZX-76-24-503		Apr. 26, 1976	223.81
Nov. 21, 1973	181.78	Mar. 8, 1973	116.68	July 21, 1976	219.54
Jan. 23, 1974	183.75	Feb. 7, 1974	127.00	Oct. 19, 1976	222.79
Apr. 23, 1974	189.14	Jan. 7, 1975	117.94	Jan. 3, 1977	220.66

ZAVALA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZX-77-01-101		Well ZX-77-01-501—Continued		Well ZX-77-02-111—Continued	
Mar. 5, 1973	111.39	Oct. 25, 1973	292.30	Jan. 12, 1976	316.53
Feb. 5, 1974	132.49*	Nov. 20, 1973	291.59	Jan. 7, 1977	314.14
Jan. 7, 1975	111.66	Jan. 23, 1974	291.58		
Jan. 8, 1976	114.70	Apr. 22, 1974	303.09	Well ZX-77-02-114	
Jan. 6, 1977	112.24	July 11, 1974	306.19	Mar. 8, 1973	225.12
		Oct. 23, 1974	303.77	Feb. 6, 1974	112.37
Well ZX-77-01-306		Jan. 7, 1975	296.25	Jan. 6, 1975	115.46
Mar. 7, 1973	176.60	Apr. 24, 1975	300.24	Jan. 8, 1976	122.90
Feb. 5, 1974	173.86	July 21, 1975	297.84	Jan. 7, 1977	145.65
Jan. 6, 1975	175.58	Oct. 21, 1975	301.19		
Jan. 8, 1976	173.46	Jan. 8, 1976	299.93	Well ZX-77-02-403	
Jan. 6, 1977	173.87	Apr. 26, 1976	303.05	Mar. 8, 1973	347.18
		July 22, 1976	301.07	Apr. 18, 1973	339.33
Well ZX-77-01-403		Oct. 19, 1976	295.40	May 23, 1973	351.44*
Mar. 6, 1973	128.95*	Jan. 6, 1977	290.55	Aug. 20, 1973	367.61
Feb. 5, 1974	99.20			Sept. 20, 1973	331.78
Jan. 7, 1975	102.22	Well ZX-77-01-605		Oct. 25, 1973	328.16
Jan. 6, 1977	99.78	Mar. 5, 1973	297.10	Nov. 20, 1973	328.97
		Jan. 7, 1975	297.49	Jan. 23, 1974	341.27
Well ZX-77-01-404		Jan. 8, 1976	298.79	Apr. 22, 1974	364.19
Mar. 5, 1973	105.75	Jan. 10, 1977	288.66	July 16, 1974	376.91
Feb. 5, 1974	107.56			Oct. 23, 1974	365.96
Jan. 7, 1975	107.50	Well ZX-77-02-103		Jan. 8, 1975	363.19*
Jan. 8, 1976	112.29	Mar. 7, 1973	279.79	Apr. 23, 1975	344.62
Jan. 6, 1977	107.26	Feb. 5, 1974	281.35	July 21, 1975	345.50
		Feb. 9, 1976	299.58	Oct. 21, 1975	332.84
Well ZX-77-01-501		Jan. 10, 1977	296.00	Jan. 8, 1976	341.10
Mar. 5, 1973	310.29			Apr. 26, 1976	357.55
Apr. 18, 1973	292.88	Well ZX-77-02-111		July 28, 1976	358.36
May 22, 1973	299.69	Mar. 8, 1973	314.80	Oct. 19, 1976	341.71
July 24, 1973	301.25	Feb. 6, 1974	309.87	Jan. 7, 1977	319.08
Aug. 20, 1973	303.61	Jan. 6, 1975	314.13		
Sept. 20, 1973	296.07				

ZAVALA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZX-77-02-412		Well ZX-77-04-301		Well ZX-77-04-603	
Mar. 7, 1973	285.11	Mar. 6, 1973	275.18	Mar. 24, 1975	296.69
Feb. 5, 1974	285.58	Feb. 7, 1974	295.48	Jan. 9, 1976	260.600
Jan. 6, 1975	290.05	Jan. 6, 1975	260.92	Jan. 5, 1977	238.19
Feb. 9, 1976	303.10	Jan. 9, 1976	266.68	Well ZX-77-04-706	
Jan. 7, 1977	292.37	Jan. 6, 1977	253.71	Mar. 7, 1973	317.77
Well ZX-77-02-606		Well ZX-77-04-431		Jan. 7, 1975	264.85
Mar. 6, 1973	298.65	Apr. 18, 1973	273.23	Jan. 12, 1976	313.80
Jan. 8, 1975	298.12	May 22, 1973	329.07	Jan. 5, 1977	244.25
Jan. 7, 1977	266.70	July 24, 1973	287.50	Well ZX-77-04-718	
Well ZX-77-02-706		Sept. 21, 1973	265.65	Jan. 7, 1975	281.46
Mar. 7, 1973	384.50	Nov. 21, 1973	265.64	Jan. 8, 1976	285.66
Jan. 8, 1975	357.21	Jan. 23, 1974	331.75	Jan. 5, 1977	244.59
Feb. 10, 1976	388.05	Apr. 23, 1974	345.72	Well ZX-77-09-101	
Jan. 7, 1977	317.75	July 10, 1974	352.00	Jan. 7, 1975	323.74
Well ZX-77-03-401		Oct. 23, 1974	326.20	Jan. 9, 1976	309.35
Mar. 6, 1973	291.53	Jan. 8, 1975	249.70	Jan. 6, 1977	289.62
Feb. 6, 1974	288.88	Apr. 24, 1975	284.01*	Well ZX-77-09-102	
Jan. 8, 1975	276.90Q	June 26, 1975	288.94	Feb. 5, 1974	168.89
Jan. 12, 1976	323.50	Oct. 20, 1975	262.50	Jan. 7, 1975	162.15
Well ZX-77-03-607		Jan. 9, 1976	269.58	Jan. 9, 1976	159.30
July 8, 1975	253.84	Apr. 28, 1976	263.83	Jan. 6, 1977	164.20
Oct. 20, 1975	260.66	July 23, 1976	269.90	Well ZX-77-09-401	
Jan. 8, 1976	261.73	Oct. 20, 1976	255.95	Mar. 6, 1973	350.97
Apr. 28, 1976	260.10	Jan. 5, 1977	232.26	Jan. 9, 1976	347.77
July 29, 1976	262.24	Well ZX-77-04-601		Jan. 6, 1977	351.20
Oct. 20, 1976	254.73	Mar. 7, 1973	305.13	Well ZX-77-09-704	
Jan. 5, 1977	231.81	Feb. 7, 1974	317.08	Mar. 8, 1973	292.58
Mar. 16, 1977	267.05	Jan. 17, 1975	289.30		
		Jan. 9, 1976	287.48		

ZAVALA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZX-77-09-704—Continued		Well ZX-77-11-408—Continued		Well ZX-77-17-201	
Jan. 8, 1975	282.30	July 23, 1976	377.84	Mar. 6, 1973	262.30
Jan. 8, 1976	279.69	Oct. 20, 1976	325.28	Feb. 6, 1974	249.40
Jan. 4, 1977	248.80	Jan. 4, 1977	298.87	Jan. 16, 1975	208.95
Well ZX-77-10-101		Well ZX-77-11-409		Jan. 7, 1976	217.14
Mar. 17, 1975	339.75	Dec. 2, 1975	209.31	Jan. 3, 1977	230.03
Jan. 8, 1976	242.73	Dec. 19, 1975	216.00	Well ZX-77-17-707	
Jan. 4, 1977	229.13	Dec. 30, 1975	378.90	Mar. 6, 1973	206.73
Well ZX-77-10-104		Jan. 2, 1976	375.20	Feb. 6, 1974	208.37
Mar. 7, 1973	386.80	Feb. 24, 1976	422.00	Feb. 12, 1976	217.10
Well ZX-77-10-403		Mar. 23, 1976	429.94	Jan. 3, 1977	203.65
Mar. 5, 1973	370.25	Apr. 27, 1976	402.51	Well ZX-77-17-902	
Feb. 5, 1974	374.15	May 24, 1976	395.42	Mar. 6, 1973	271.73
Jan. 8, 1975	377.20	July 23, 1976	393.00	Feb. 7, 1974	276.45
Jan. 8, 1976	373.88	Jan. 7, 1977	323.50	Jan. 8, 1975	278.36
Jan. 4, 1977	324.32	Well ZX-77-11-601		Jan. 6, 1976	269.67
Well ZX-77-10-604		Mar. 7, 1973	294.10	Jan. 3, 1977	250.78
Mar. 7, 1973	327.30	Feb. 6, 1974	296.84	Well ZX-77-18-401	
Jan. 4, 1977	271.77	Feb. 13, 1976	387.49	Jan. 2, 1973	300.50
Well ZX-77-11-408		Well ZX-77-11-703		Feb. 5, 1973	289.50
Aug. 21, 1975	368.00	Mar. 7, 1973	363.94	Mar. 5, 1973	289.50
Dec. 2, 1975	387.00	Jan. 7, 1975	367.66	Apr. 4, 1973	294.50
Dec. 12, 1975	397.13	Dec. 2, 1975	415.83	Jan. 21, 1977	276.50
Dec. 19, 1975	369.50Q	Dec. 22, 1975	431.99	Well ZX-77-18-508	
Dec. 30, 1975	384.75	Dec. 30, 1975	386.31	Mar. 6, 1973	295.64
Jan. 2, 1976	377.50	Jan. 2, 1976	376.40	Feb. 6, 1974	299.07
Feb. 24, 1976	466.45	Jan. 4, 1977	299.22	Jan. 7, 1975	305.68
Mar. 23, 1976	481.90	Well ZX-77-11-715		Feb. 12, 1976	207.00Q
Apr. 27, 1976	393.49	Mar. 18, 1975	438.40	Well ZX-77-18-604	
May 24, 1976	370.15	Jan. 6, 1976	441.80	Jan. 23, 1973	328.42
		Jan. 4, 1977	315.83		

ZAVALA COUNTY

Table 3.—Water Levels in Selected Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well ZX-77-18-604—Continued		Well ZX-77-18-604—Continued		Well ZX-77-19-801—Continued	
Mar. 20, 1973	317.60	Mar. 22, 1976	392.00	Jan. 7, 1976	314.90
May 23, 1973	328.29	Apr. 27, 1976	362.92	Jan. 7, 1977	291.20
July 24, 1973	322.96	June 22, 1976	349.30		
Sept. 18, 1973	322.27	July 22, 1976	337.76	Well ZX-77-20-101	
Nov. 19, 1973	301.59	Aug. 24, 1976	322.30	Mar. 7, 1973	367.44
Jan. 22, 1974	324.69	Sept. 24, 1976	317.09	Apr. 18, 1973	359.06
Apr. 24, 1974	338.06	Oct. 20, 1976	300.15	May 22, 1973	354.05
July 10, 1974	290.65	Nov. 23, 1976	284.08	June 22, 1973	360.30
Sept. 23, 1974	349.14	Dec. 21, 1976	271.70	July 23, 1973	355.80
Oct. 22, 1974	352.81	Jan. 4, 1977	269.47	Aug. 21, 1973	355.75
Nov. 22, 1974	333.09	Jan. 24, 1977	264.94	Sept. 19, 1973	356.69
Jan. 24, 1975	333.83	Feb. 25, 1977	262.33	Oct. 25, 1973	351.68
Feb. 24, 1975	331.10	Mar. 24, 1977	281.90	Nov. 19, 1973	346.85
Mar. 25, 1975	344.50			Jan. 23, 1974	346.73
Apr. 23, 1975	343.70	Well ZX-77-19-102		Apr. 19, 1974	362.68
May 27, 1975	350.08	Jan. 7, 1975	378.66	July 10, 1974	383.38
July 25, 1975	309.65	Jan. 6, 1976	413.50	Oct. 23, 1974	383.35
Aug. 26, 1975	312.91	Jan. 4, 1977	308.43	Jan. 7, 1975	366.79
Sept. 24, 1975	303.15			Apr. 22, 1975	372.12
Oct. 24, 1975	308.00	Well ZX-77-19-202		July 8, 1975	358.95
Nov. 19, 1975	299.94	Mar. 8, 1973	329.18	Oct. 24, 1975	345.50
Dec. 19, 1975	313.61			Jan. 7, 1976	342.17
Jan. 28, 1976	340.71	Well ZX-77-19-801		Apr. 27, 1976	381.82
Feb. 23, 1976	369.70	Mar. 7, 1973	335.22	July 27, 1976	372.03
		Feb. 6, 1974	338.90	Oct. 19, 1976	355.50
		Jan. 8, 1975	340.65	Jan. 5, 1977	324.70

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells

(Analyses given are in milligrams per liter except percent sodium, specific conductance, pH, sodium adsorption ratio, and residual sodium carbonate).

Water-bearing unit: Keeb, Edwards and associated limestones (Balcones Fault Zone aquifer); Twi, Wilcox Group; Tc, Carrizo Sand; Tb, Bigford Member; Tep, Pico Clay; Tq, Queen City Sand; Tla, Laredo Formation; Ts, Sparta Sand; Tms, Mount Selmon Formation; Tcm, Cook Mountain Formation; Ty, Yegua Formation; Tj, Jackson Group; Tet, Catahoula Tuff; Tok, Oakville Sandstone; Qlc, Leona Formation.

Dissolved Solids : The bicarbonate "reported" is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-68-50-201	Keeb	2,379	Nov. 1, 1955	14	0.8	70	22	80	5.8	232	182	49	1.4	0.0	0.5	539	265	858	7.7	38.96	2.1	0.0
201	Keeb	2,379	July 22, 1957	22	--	96	34	13	2.0	226	183	22	3.2	.0	--	486	380	757	7.4	6.89	.2	.0
201	Keeb	2,379	Feb. 4, 1959	--	--	--	--	--	--	224	186	31	--	--	--	--	380	779	7.6	--	--	--
201	Keeb	2,379	Sept. 8, 1959	--	--	--	--	--	--	218	--	34	--	--	--	--	382	767	7.1	--	--	--
201	Keeb	2,379	Dec. 1, 1959	--	--	--	--	--	--	218	194	34	--	--	--	--	380	780	7.1	--	--	--
201	Keeb	2,379	Sept. 19, 1960	--	--	--	--	--	--	218	190	36	--	--	--	--	380	786	7.4	--	--	--
201	Keeb	2,379	Mar. 6, 1961	--	--	--	--	--	--	218	190	34	--	--	--	--	378	795	7.1	--	--	--
201	Keeb	2,379	Sept. 12, 1961	--	--	--	--	--	--	206	188	38	--	--	--	--	372	772	7.5	--	--	--
201	Keeb	2,379	Oct. 10, 1961	--	--	--	--	--	--	98	188	120	--	--	--	--	400	889	6.1	--	--	--
201	Keeb	2,379	Mar. 19, 1962	--	--	--	--	--	--	218	187	42	--	--	--	--	382	789	7.1	--	--	--
201	Keeb	2,379	Aug. 20, 1962	--	--	--	--	--	--	220	185	38	--	--	--	--	390	812	6.9	--	--	--
201	Keeb	2,379	Sept. 19, 1962	--	.4	96	37	22	--	221	190	45	3.0	.4	--	502	393	928	7.6	10.88	.4	.0
201	Keeb	2,379	Mar. 4, 1963	--	--	--	--	--	--	224	190	39	--	--	--	--	394	811	7.1	--	--	--
201	Keeb	2,379	Mar. 8, 1963	18	.1	100	34	24	--	220	191	38	3.0	.0	--	516	390	802	6.8	11.82	.5	.0
201	Keeb	2,379	Aug. 7, 1963	--	--	--	--	--	--	220	190	40	--	--	--	--	396	793	6.7	--	--	--
201	Keeb	2,379	Mar. 4, 1964	--	--	--	--	--	--	226	194	40	--	--	--	--	394	818	7.5	--	--	--
201	Keeb	2,379	Aug. 21, 1964	--	--	--	--	--	--	228	189	41	--	--	--	--	382	807	7.4	--	--	--
201	Keeb	2,379	Mar. 1, 1965	--	--	--	--	--	--	--	181	40	--	--	--	--	382	806	8.1	--	--	--
201	Keeb	2,379	July 29, 1977	14	--	62	15	8	--	214	17	23	1.6	3.5	--	249	215	426	8.0	7.44	.2	.0
603	Twi	249	Nov. 20, 1969	25	--	149	31	83	14.0	377	189	138	1.7	.4	--	816	500	1,250	7.1	25.87	1.6	.0
603	Twi	249	Sept. 2, 1977	23	--	98	25	74	15.0	350	108	92	1.5	.4	--	608	348	956	8.2	30.51	1.7	.0
51-101	Keeb	2,656	Dec. 1, 1959	--	--	--	--	--	--	124	1,400	590	--	--	--	--	1,650	3,790	7.0	--	--	--
101	Keeb	2,656	Mar. 6, 1961	--	--	--	--	--	--	74	270	580	--	--	--	--	1,590	3,680	7.2	--	--	--
101	Keeb	2,656	Oct. 10, 1961	15	--	420	169	299	--	139	1,370	600	2.8	.0	--	2,944	1,740	3,870	6.7	27.17	3.1	.0
101	Keeb	2,656	Mar. 29, 1962	--	--	--	--	--	--	118	1,280	540	--	--	--	--	1,620	3,610	6.6	--	--	--
101	Keeb	2,656	Sept. 25, 1962	--	--	--	--	--	--	240	1,080	500	--	--	--	--	1,510	3,440	6.9	--	--	--
101	Keeb	2,656	June 24, 1964	--	--	--	--	--	--	236	720	350	--	--	--	--	1,050	2,450	6.8	--	--	--
101	Keeb	2,656	Sept. 1, 1977	16	--	259	78	120	--	204	678	256	2.5	.4	--	1,510	966	2,040	8.1	21.25	1.6	.0

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-68-51-701	Tc	--	Apr. 4, 1970	33	--	16	4	25	3.0	40	22	41	0.1	< 0.4	--	164	55	260	6.8	47.45	1.4	0.0
701	Tc	--	June 9, 1977	39	--	30	7	50	7.0	41	25	114	.1	< .4	--	292	104	504	6.6	49.13	2.1	.0
52-715	Twi	672	Aug. 15, 1973	--	0.1	86	20	80	--	370	101	53	.3	1.0	--	710	295	--	7.7	36.95	2.0	.1
715	Twi	672	Oct. 21, 1974	--	1.2	95	23	91	--	367	143	73	.3	1.2	--	810	331	--	8.3	37.37	2.1	.0
715	Twi	672	Oct. 18, 1976	--	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
716	Twi	632	Aug. 15, 1973	--	.8	94	23	98	--	362	127	72	2.2	1.0	--	780	329	--	7.9	39.30	2.3	.0
716	Twi	632	Oct. 21, 1974	--	.2	88	19	78	1.2	365	103	58	.3	1.0	--	730	300	1,022	8.4	36.18	1.9	.0
716	Twi	632	Oct. 18, 1976	--	.1	86	21	78	--	371	104	58	.1	.6	--	730	299	--	7.9	36.05	1.9	.0
718	Tc	377	Aug. 1, 1969	34	--	32	4	20	5.0	81	19	40	.2	< .4	--	194	97	307	6.9	29.75	.8	.0
718	Tc	377	July 13, 1972	28	--	64	8	19	7.0	134	48	57	.2	< .4	--	297	191	462	7.0	17.01	.5	.0
718	Tc	377	July 20, 1973	28	3.2	39	5	17	4.0	104	20	37	.2	< .4	0.1	205	116	320	7.1	23.11	.6	.0
718	Tc	377	July 22, 1974	29	--	43	5	22	--	94	26	47	.1	.6	--	218	126	361	7.3	27.23	.8	.0
718	Tc	377	June 19, 1975	27	--	57	2	11	4.0	150	20	23	.1	< .4	--	218	151	355	7.6	13.33	.3	.0
718	Tc	377	July 23, 1976	27	--	47	3	17	6.0	127	16	36	.1	< .4	.1	215	130	351	7.2	21.22	.6	.0
718	Tc	377	June 9, 1977	35	--	46	2	14	--	128	13	27	.1	< .4	--	200	125	321	7.3	19.84	.5	.0
58-204	Tc	160	July 28, 1977	29	--	16	3	21	6.0	26	26	39	.1	< .4	--	153	52	244	6.6	43.25	1.2	.0
59-501	Tc	290	July 23, 1976	25	--	22	4	35	7.0	40	35	62	.1	< .4	--	210	72	351	7.0	48.67	1.8	.0
501	Tc	290	July 27, 1977	31	--	24	4	35	--	44	34	60	.1	< .4	--	210	76	351	7.1	49.93	1.7	.0
614	Tc	455	Sept. 16, 1969	19	--	22	4	24	7.0	31	32	50	.2	< .4	--	173	71	294	6.4	39.40	1.2	.0
614	Tc	455	July 28, 1977	22	--	31	4	25	7.0	51	37	54	.1	< .4	--	205	94	345	7.1	34.60	1.1	.0
60-305	Tc	378	Oct. 2, 1969	28	--	10	2	17	5.0	27	16	27	.1	< .4	--	118	36	180	6.1	48.30	1.2	.0
305	Tc	378	July 13, 1972	28	--	12	3	16	4.0	29	18	27	.1	< .4	.1	122	42	183	6.2	42.34	1.0	.0
305	Tc	378	July 27, 1977	29	--	11	1	16	--	27	16	24	.1	< .4	--	110	34	167	6.7	52.44	1.2	.0
702	Tc	800	Oct. 28, 1955	37	2.2	26	4	38	--	49	39	60	.1	< .4	--	230	82	--	--	50.40	1.8	.0
702	Tc	800	Aug. 23, 1966	--	.5	33	7	29	--	48	47	65	.3	< .4	--	205	111	--	6.4	36.21	1.1	.0
702	Tc	800	Sept. 12, 1967	--	1.8	42	10	50	--	71	67	94	.4	< .4	--	298	145	--	6.7	42.70	1.8	.0
726	Tc	840	Mar. 4, 1969	--	1.2	37	8	33	--	48	56	76	.1	< .4	--	255	127	--	6.8	36.43	1.2	.0
726	Tc	840	Sept. 10, 1969	17	4.7	45	11	44	8.0	60	66	100	.2	< .4	--	325	158	561	6.6	36.32	1.5	.0
726	Tc	840	Apr. 20, 1973	--	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
726	Tc	840	July 5, 1973	--	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
726	Tc	840	Nov. 27, 1973	--	1.4	28	6	31	--	39	47	61	.1	.6	--	216	93	--	6.3	41.63	1.3	.0
809	Tc	835	May 26, 1932	16	10.6	28	6	21	7.0	55	32	47	--	.0	--	194	95	--	--	30.62	.9	.0

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Baron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-68-60-809	Tc	835	Aug. 14, 1945	17	1.3	25	5	24	5.6	48	33	49	0.2	0.0	--	195	83	--	7.8	36.68	1.1	0.0
809	Tc	835	Sept. 16, 1948	14	.9	26	3	39	--	55	36	57	.2	< .4	--	203	78	--	7.9	52.35	1.9	.0
809	Tc	835	Oct. 28, 1955	14	6.2	26	4	33	--	55	36	50	.2	< .4	--	196	82	--	--	46.88	1.5	.0
809	Tc	835	Jan. 2, 1970	--	.1	27	5	23	--	49	33	49	.2	< .4	--	186	88	--	7.6	36.26	1.0	.0
841	Tc	1,300	Aug. 12, 1969	16	--	32	6	23	7.0	78	32	43	.3	< .4	--	198	104	340	7.0	30.59	.9	.0
841	Tc	1,300	July 28, 1977	17	--	31	4	21	7.0	65	32	43	.1	< .4	--	187	94	322	7.5	30.77	.9	.0
61-207	Tc	805	July 30, 1969	20	--	17	3	20	6.0	33	24	37	.1	< .4	--	143	55	234	6.7	41.06	1.1	.0
207	Tc	805	Sept. 7, 1977	20	--	15	4	19	6.0	39	22	33	.1	< .4	--	138	52	225	6.8	40.17	1.1	.0
805	Tqc	655	Sept. 2, 1970	21	--	139	45	126	11.0	273	300	206	.5	< .4	--	983	530	1,510	7.6	33.42	2.3	.0
805	Tqc	655	July 25, 1973	20	--	134	45	134	12.0	275	317	202	.6	< .4	--	1,000	520	1,500	7.5	35.27	2.5	.0
805	Tqc	655	July 24, 1974	20	--	141	45	131	--	276	299	205	.7	< .4	--	977	540	1,500	7.9	34.67	2.4	.0
805	Tqc	655	June 20, 1975	20	--	133	38	126	--	281	274	191	.6	< .4	--	921	492	1,450	7.8	35.95	2.4	.0
805	Tqc	655	July 22, 1976	20	--	136	38	124	14.0	300	273	183	.3	< .4	--	936	495	1,450	7.5	34.43	2.4	.0
805	Tqc	655	June 15, 1977	21	--	134	41	132	--	275	283	202	.4	< .4	--	949	510	1,500	7.8	36.34	2.5	.0
78-02-301	Tc	1,205	Apr. 6, 1964	16	--	92	9	26	5.5	241	63	50	.4	< .2	--	380	268	650	6.8	17.12	.6	.0
301	Tc	1,205	July 28, 1977	20	--	89	7	26	--	217	61	47	.3	< .4	--	357	250	580	7.8	18.39	.7	.0
03-509	Tc	1,528	June 13, 1969	15	--	90	7	21	5.0	277	36	29	.5	< .4	--	340	255	564	7.6	14.95	.5	.0
509	Tc	1,528	June 10, 1977	17	--	87	7	22	--	276	30	31	.3	< .4	--	330	249	556	7.6	16.29	.6	.0
04-308	Tqc	722	Nov. 20, 1967	--	.0	36	20	118	--	293	66	97	.7	< .4	--	481	173	--	7.7	59.86	3.9	1.3
308	Tqc	722	Apr. 22, 1969	--	--	36	25	117	--	292	67	95	.6	< .4	0.2	483	192	--	7.7	56.91	3.6	.9
308	Tqc	722	July 28, 1977	20	--	41	16	122	--	290	67	93	.6	< .4	--	502	168	835	8.1	61.22	4.0	1.3
502	Tc	1,635	June 18, 1932	--	.9	68	15	39	--	278	41	33	--	.0	--	332	232	--	--	26.82	1.1	.0
502	Tc	1,635	June 29, 1938	13	.8	66	16	40	--	281	36	35	.3	.3	--	345	230	--	7.7	27.40	1.1	.0
502	Tc	1,635	Oct. 2, 1941	12	.3	62	14	51	--	299	32	32	.4	< .4	--	351	212	--	7.9	34.32	1.5	.6
502	Tc	1,635	Aug. 14, 1945	13	.7	69	13	26	11.0	266	31	32	.4	.5	--	327	226	573	7.6	19.09	.7	.0
502	Tc	1,635	Jan. 8, 1948	17	.8	68	13	37	--	275	33	32	.2	< .4	--	336	223	--	7.5	26.50	1.0	.0
502	Tc	1,635	June 30, 1949	14	.6	70	13	41	--	287	35	32	.2	< .4	--	347	228	--	7.6	28.10	1.1	.1
502	Tc	1,635	May 23, 1960	--	.9	60	18	27	--	275	28	35	.3	< .4	--	303	225	570	7.4	20.79	.7	.0
502	Tc	1,635	Aug. 27, 1963	--	.4	55	13	59	--	284	32	46	.4	< .4	--	345	194	690	7.5	40.22	1.8	.8
502	Tc	1,635	Jan. 19, 1965	--	.2	64	11	42	--	278	31	36	.6	< .4	--	322	206	630	7.5	30.83	1.2	.4
502	Tc	1,635	Oct. 8, 1965	--	.1	69	15	69	--	281	67	55	.3	< .4	--	413	234	776	7.4	39.09	1.9	.0
502	Tc	1,635	Oct. 8, 1965	--	.0	59	12	81	--	282	50	62	.4	< .4	--	403	194	756	7.8	47.26	2.5	.6
502	Tc	1,635	Mar. 3, 1967	--	.1	65	13	33	--	273	30	34	.5	< .4	--	310	214	449	7.8	24.97	.9	.1

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)	
AL-7B-04-502	Tc	1,635	Feb. 21, 1969	--	0.0	82	10	23	--	262	35	34	0.4	0.5	--	314	244	620	7.7	16.91	0.6	0.0	
503	Tqc	1,150	Aug. 9, 1950	61	35.0	26	10	189	--	270	54	135	.2	<	.4	--	643	106	608	8.2	79.50	7.9	2.3
503	Tqc	1,150	Mar. 3, 1967	--	.0	44	24	89	--	301	76	59	.4	<	.4	--	440	206	850	7.7	48.14	2.6	.7
503	Tqc	1,150	Feb. 21, 1969	--	.3	81	11	23	--	264	36	33	.4	<	.4	--	448	246	--	7.7	16.82	.6	.0
504	Tc	1,800	Mar. 7, 1967	--	.0	79	12	23	--	267	33	34	.4	<	.4	--	312	244	448	7.6	16.87	.6	.0
504	Tc	1,800	Aug. 12, 1969	13	--	82	9	22	6.0	267	32	30	.4	<	.4	0.2	326	244	553	7.6	16.10	.6	.0
507	Tc	2,007	Dec. 13, 1967	--	.0	87	8	23	--	272	32	36	.4	<	.4	--	320	249	640	7.4	16.07	.6	.0
507	Tc	2,007	Feb. 21, 1969	--	--	81	11	23	--	264	36	33	.4	<	.4	--	314	--	616	7.7	16.82	.6	.0
507	Tc	2,007	Feb. 8, 1971	--	--	84	9	23	--	271	29	32	.4	<	.4	--	310	248	604	7.4	16.86	.6	.0
507	Tc	2,007	June 26, 1972	--	.8	83	9	23	--	270	31	33	.5	<	.4	--	313	244	604	7.6	17.00	.6	.0
507	Tc	2,007	May 21, 1974	--	.3	84	8	23	--	264	30	34	.5	<	.4	--	444	243	--	8.3	17.10	.6	.0
507	Tc	2,007	Sept. 6, 1975	--	.9	86	7	24	--	268	29	33	.4	2.1	--	--	449	244	--	7.6	17.66	.6	.0
507	Tc	2,007	Nov. 12, 1975	--	.3	82	8	24	--	266	31	34	.4	<	.4	--	445	239	--	8.1	18.01	.6	.0
703	Tc	1,900	Aug. 20, 1964	17	.0	48	12	41	7.7	211	40	39	.3	.2	.2	309	170	522	7.5	33.25	1.3	.0	
703	Tc	1,900	Aug. 7, 1969	20	--	35	20	125	9.0	278	73	110	.5	<	.4	--	529	172	867	7.8	60.02	4.1	1.1
703	Tc	1,900	July 28, 1977	18	--	72	12	55	--	281	45	52	.4	<	.4	--	392	228	651	8.0	34.31	1.5	.0
803	Tc	1,960	Aug. 5, 1964	16	.6	73	11	27	6.8	270	28	28	.5	.0	--	329	227	552	7.2	19.92	.7	.0	
803	Tc	1,960	Oct. 8, 1965	--	.1	71	10	29	--	253	26	31	.5	<	.4	--	292	218	567	7.6	22.41	.8	.0
803	Tc	1,960	Mar. 3, 1967	--	.0	71	12	29	--	266	28	33	.5	<	.4	--	305	226	600	7.7	21.78	.8	.0
803	Tc	1,960	June 26, 1972	--	.6	71	11	30	--	268	26	30	.5	<	.4	--	301	222	584	7.6	22.68	.8	.0
803	Tc	1,960	July 14, 1972	16	--	71	11	29	6.0	268	25	30	.3	<	.4	--	320	224	512	7.6	21.51	.8	.0
902	Ts	372	Sept. 2, 1970	12	--	49	21	720	6.0	206	840	550	.5	1.5	--	2,301	209	3,400	7.6	87.86	21.6	.0	
902	Ts	372	July 29, 1977	16	--	43	16	760	--	177	860	590	.1	<	.4	--	2,372	174	3,400	7.4	90.52	25.1	.0
905	Tc	1,900	Mar. 3, 1967	--	.0	67	11	29	--	271	26	30	.5	<	.4	--	297	214	584	7.6	22.89	.8	.1
05-103	Tqc	815	Feb. 20, 1928	20	.1	7	4	173	3.0	356	2	90	--	.1	--	474	32	--	--	90.88	12.9	5.1	
103	Tqc	815	July 20, 1938	15	.1	10	8	176	--	360	6	99	.5	<	.3	--	491	60	--	8.0	86.87	10.0	4.7
103	Tqc	815	July 20, 1938	14	.1	10	8	176	--	360	5	99	.5	<	.3	--	489	59	--	7.7	86.87	10.0	4.7
103	Tqc	815	Mar. 12, 1941	14	.1	8	4	189	--	378	2	96	<	.4	<	.4	499	37	--	7.9	91.86	13.6	5.4
103	Tqc	815	Aug. 14, 1945	15	.1	8	4	175	6.3	330	1	94	.2	.0	--	465	35	838	8.0	89.54	12.6	4.6	
103	Tqc	815	Feb. 28, 1948	12	.1	8	4	181	--	354	5	96	.6	<	.4	--	481	37	--	8.0	91.53	13.0	5.0
103	Tqc	815	Aug. 14, 1948	--	--	--	--	--	--	--	--	96	--	--	--	--	--	873	--	--	--	--	--
103	Tqc	815	May 1, 1953	17	.2	12	4	189	--	348	32	96	.3	<	.4	--	522	47	--	8.0	89.86	12.0	4.7

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-78-05-103	Tqc	815	Sept. 8, 1964	--	< 0.02	7	3	184	--	355	< 3	99	0.5	< 0.4	--	472	31	872	8.0	93.06	14.6	5.2
104	Tc	1,700	Nov. 13, 1956	--	1.6	51	27	26	--	260	54	32	.2	< .4	--	318	242	--	7.0	19.18	.7	.0
104	Tc	1,700	July 31, 1963	15	.5	80	8	28	5.6	255	38	34	.3	.0	0.1	334	231	553	6.7	20.26	.7	.0
104	Tc	1,700	Jan. 13, 1966	--	.3	38	8	26	--	160	5	36	.2	< .4	--	192	126	386	8.1	30.69	1.0	.0
104	Tc	1,700	Apr. 4, 1969	--	3.2	68	11	30	--	256	24	29	.4	< .4	--	280	214	580	7.7	23.29	.8	.0
104	Tc	1,700	Sept. 22, 1969	16	--	79	11	26	5.0	259	38	33	.4	< .4	0.1	336	242	549	7.8	18.52	.7	.0
104	Tc	1,700	July 14, 1972	15	.5	80	9	28	5.0	260	38	32	.3	< .4	--	336	236	538	7.4	20.03	.7	.0
105	Tqc	814	Feb. 28, 1948	12	.1	10	5	178	--	360	3	96	.7	< .1	--	481	46	--	7.9	89.48	11.4	4.9
105	Tqc	814	May 4, 1953	28	.3	12	4	184	--	360	16	96	.3	< .4	--	518	47	--	7.9	89.61	11.7	4.9
105	Tqc	814	Mar. 4, 1962	--	.0	7	4	184	--	342	1	100	.4	< .4	--	464	35	850	8.0	92.18	13.7	4.9
105	Tqc	814	Jan. 11, 1966	--	< .02	11	6	193	--	346	24	115	.6	< .4	--	520	51	990	8.3	88.95	11.6	4.6
105	Tqc	814	Nov. 9, 1967	--	.0	10	6	194	--	357	12	114	.5	< .4	--	513	48	975	7.9	89.47	11.9	4.8
107	Tqc	810	Mar. 4, 1962	--	.1	6	4	186	--	344	2	98	.4	< .4	--	465	32	854	8.0	92.79	14.4	5.0
107	Tqc	810	Oct. 9, 1963	--	.4	7	3	136	--	364	5	104	.4	< .4	--	434	31	932	8.2	90.84	10.8	5.3
107	Tqc	810	Jan. 11, 1966	--	.4	7	4	188	--	354	4	102	.5	< .4	--	480	36	900	8.0	92.34	16.0	5.1
107	Tqc	810	Nov. 9, 1967	--	.2	10	5	188	--	361	9	111	.5	< .4	--	502	48	955	7.6	89.98	12.1	5.0
107	Tqc	810	Sept. 22, 1969	15	--	8	4	188	4.0	359	7	105	.5	< .4	--	508	35	849	7.4	90.78	13.5	5.1
409	Tqc	800	Mar. 4, 1962	--	.0	7	4	186	--	346	0	102	.4	< .4	--	469	34	860	8.0	92.26	13.8	4.9
409	Tqc	800	Jan. 13, 1966	--	.0	8	4	185	--	357	4	99	.4	< .4	--	476	36	896	8.3	91.70	13.3	5.1
409	Tqc	800	Nov. 9, 1967	--	.0	8	5	183	--	362	7	102	.5	< .4	--	484	40	920	8.0	90.76	12.5	5.1
409	Tqc	800	Apr. 22, 1969	--	.0	8	4	186	--	365	5	103	.5	< .4	--	486	39	942	8.3	91.74	13.4	5.2
501	Tc	1,943	May 9, 1944	--	.2	--	--	--	--	278	24	30	--	--	--	--	216	--	--	--	--	--
501	Tc	1,943	Sept. 7, 1977	12	--	27	8	1,098	--	1,158	250	976	.8	1.3	--	2,942	98	4,480	8.2	95.97	47.7	16.9
06-802	Tc	3,900	Oct. 17, 1969	26	--	8	2	231	4.0	426	93	66	.7	< .4	--	640	30	1,023	8.0	93.78	18.9	6.4
802	Tc	3,900	Sept. 8, 1977	22	--	17	4	171	7.0	362	77	50	.5	< .4	--	526	61	810	8.1	84.57	9.6	4.7
10-305	Dwi	3,500	Nov. 5, 1969	21	--	3	2	590	3.0	870	219	272	1.8	< .4	--	1,539	14	2,390	8.3	98.50	64.7	13.9
305	Dwi	3,500	July 28, 1977	27	--	4	1	620	--	880	227	265	1.6	2.2	--	1,580	10	2,375	8.3	98.96	71.8	14.1
606	Tc	1,937	Aug. 13, 1969	17	--	61	12	31	7.0	240	41	23	.6	< .4	0.2	311	203	516	7.6	24.26	.9	.0
606	Tc	1,937	June 10, 1977	21	--	76	9	31	--	272	38	24	.5	< .4	--	333	229	560	7.7	22.92	.8	.0
11-101	Tc	1,869	Feb. 18, 1960	--	.7	68	14	29	--	270	43	32	.5	< .4	--	351	230	585	7.4	21.72	.8	.0
101	Tc	1,869	Mar. 17, 1961	--	.8	70	16	35	--	268	42	25	.4	< .4	--	364	240	607	7.0	24.04	.9	.0
101	Tc	1,869	Aug. 13, 1962	--	.6	68	15	34	--	270	47	16	.5	< .4	--	452	233	636	7.3	24.22	.9	.0
101	Tc	1,869	Aug. 5, 1964	15	.5	72	13	31	7.5	276	44	30	.3	.2	.2	349	233	591	7.3	21.74	.8	.0

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-78-11-101	Tc	1,869	Dec. 17, 1964	--	0.3	73	12	33	--	271	44	30	0.7	< 0.4	--	464	232	633	7.3	23.66	0.9	0.0
101	Tc	1,869	Jan. 31, 1966	--	.5	76	11	32	--	270	41	30	.5	< .4	--	461	235	615	7.5	22.86	.9	.0
101	Tc	1,869	Feb. 1, 1967	--	.4	72	13	31	--	273	45	32	.5	< .4	--	467	234	--	7.4	22.43	.8	.0
101	Tc	1,869	Feb. 16, 1968	--	.6	75	12	33	--	276	44	32	.5	< .4	--	473	235	648	7.6	23.28	.9	.0
101	Tc	1,869	May 26, 1969	--	.5	74	11	33	--	271	38	31	.5	< .4	--	460	233	624	7.7	23.79	.9	.0
101	Tc	1,869	Oct. 28, 1969	12	.9	74	13	32	7.0	272	42	29	.5	< .4	--	352	238	570	7.7	21.98	.9	.0
101	Tc	1,869	Apr. 15, 1970	--	1.4	75	12	31	5.0	279	49	27	.6	< .4	--	332	237	628	7.8	21.73	.8	.0
101	Tc	1,869	July 25, 1973	15	--	74	13	34	5.0	275	48	31	.6	< .4	--	356	240	575	7.6	23.22	.9	.0
101	Tc	1,869	July 22, 1974	15	.6	90	2	32	6.0	262	41	31	.6	< .4	0.2	347	232	560	7.9	22.44	.9	.0
101	Tc	1,869	Nov. 12, 1974	--	.4	75	11	32	--	271	46	34	.6	< .4	--	477	233	--	7.7	23.04	.9	.0
101	Tc	1,869	June 19, 1975	15	--	78	9	32	--	275	40	31	.6	< .4	--	341	234	585	7.9	23.10	.9	.0
101	Tc	1,869	July 21, 1976	15	--	76	11	33	--	276	41	31	.4	< .4	--	343	237	580	7.8	23.40	.9	.0
101	Tc	1,869	June 10, 1977	20	--	78	11	33	--	275	42	30	.5	< .4	--	350	239	577	7.7	23.03	.9	.0
201	Tc	1,900	Oct. 5, 1949	15	.4	85	13	29	--	278	48	36	.4	< .4	--	363	266	--	7.4	19.19	.7	.0
201	Tc	1,900	Feb. 18, 1960	--	1.4	72	15	28	--	268	42	33	.5	< .4	--	323	243	590	7.4	20.15	.7	.0
201	Tc	1,900	Aug. 16, 1963	--	4.5	164	65	182	--	238	465	266	.7	< .4	--	1,260	675	2,431	7.4	36.91	3.0	.0
201	Tc	1,900	Dec. 23, 1964	--	.4	343	120	399	--	184	1,110	620	.9	< .4	--	2,683	1,350	5,358	7.2	39.14	4.7	.0
207	Tc	1,993	Sept. 3, 1965	--	.4	72	12	37	--	275	48	32	.6	< .4	--	337	231	639	7.5	26.00	1.0	.0
207	Tc	1,993	Jan. 31, 1966	--	2.4	70	13	38	--	282	32	31	.4	< .4	--	323	228	615	7.7	26.59	1.0	.0
207	Tc	1,993	Feb. 1, 1967	--	1.5	44	14	38	--	244	9	33	.4	< .4	--	258	167	507	7.9	33.06	1.2	.6
207	Tc	1,993	Feb. 16, 1968	--	.8	71	13	37	--	277	48	32	.5	< .4	--	338	231	660	7.6	25.86	1.0	.0
207	Tc	1,993	May 26, 1969	--	.4	75	12	34	--	275	34	31	.4	< .4	--	461	235	628	7.7	23.82	.9	.0
207	Tc	1,993	Oct. 28, 1969	13	.9	72	13	36	7.0	275	47	31	.5	< .4	--	364	236	579	7.7	24.44	1.0	.0
207	Tc	1,993	Apr. 15, 1970	--	.0	73	12	40	--	272	51	29	.6	< .4	--	478	233	640	7.7	27.31	1.1	.0
207	Tc	1,993	Aug. 15, 1972	--	.2	73	13	37	--	275	45	33	.6	< .4	--	477	237	--	7.4	25.46	1.0	.0
309	Pgc	1,001	Sept. 2, 1977	16	--	46	24	189	11.0	262	98	233	.3	< .4	--	746	214	1,250	8.5	64.37	5.6	.0
12-502	Tc	2,610	May 26, 1976	12	--	60	13	45	10.0	267	41	35	.5	< .4	--	348	203	577	8.3	31.18	1.3	.3
502	Tc	2,610	May 26, 1976	15	--	67	11	50	--	270	54	38	.5	< .4	--	368	214	624	7.9	33.86	1.4	.1
502	Tc	2,610	May 26, 1976	14	--	67	12	55	--	276	53	42	.5	< .4	--	379	217	640	7.7	35.58	1.6	.1
502	Tc	2,610	May 26, 1976	16	--	66	11	58	10.0	277	58	44	.5	< .4	--	400	211	654	7.7	36.16	1.7	.3
502	Tc	2,610	May 26, 1976	15	--	64	12	67	10.0	282	64	50	.5	< .4	--	421	211	686	7.7	39.64	2.0	.4
502	Tc	2,610	May 26, 1976	15	--	66	11	67	--	279	60	50	.5	< .4	--	407	210	686	7.7	40.97	2.0	.3
504	Tcm	160	May 27, 1976	18	8.6	620	79	474	--	203	2,080	383	.4	< .4	--	3,763	1,870	4,200	7.5	35.51	4.7	.0

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-78-12-602	TS	614	May 27, 1976	10	--	20	6	730	--	173	800	500	0.2	< 0.4	--	2,151	73	3,210	8.8	95.51	36.7	1.3
13-702	Tqc	1,717	Aug. 5, 1964	18	0.1	25	--	264	1.5	504	83	66	.6	.0	0.4	705	7	1,120	8.2	--	--	--
702	Tqc	1,717	Aug. 31, 1970	18	--	2	3	260	1.0	500	83	66	.5	< .4	--	679	18	1,072	8.3	96.81	27.1	7.8
702	Tqc	1,717	June 14, 1977	18	--	4	1	263	--	476	83	66	.6	< .4	--	670	13	1,084	8.6	97.59	30.4	7.5
14-302	Tc	3,400	Nov. 14, 1969	19	--	8	3	149	4.0	337	47	28	.4	< .4	--	474	34	683	8.5	89.65	11.4	4.8
302	Tc	3,400	July 25, 1973	22	--	4	4	173	1.0	356	65	32	.5	< .4	--	476	25	740	7.8	93.14	14.6	5.3
302	Tc	3,400	July 23, 1974	22	--	7	3	174	--	373	53	32	.5	< .4	--	475	27	750	8.2	92.70	13.8	5.5
302	Tc	3,400	June 20, 1975	23	--	5	1	177	--	362	53	33	.4	< .4	--	470	15	745	8.0	95.86	18.9	5.6
302	Tc	3,400	July 21, 1976	24	--	8	1	176	--	387	48	33	.4	< .4	--	481	23	759	8.1	94.08	15.6	5.8
302	Tc	3,400	June 14, 1977	23	--	10	3	173	--	377	58	32	.4	< .4	--	485	39	755	8.1	90.98	12.3	5.4
15-504	Tc	4,326	Aug. 26, 1963	33	--	3	--	216	--	468	46	32	.6	.0	--	559	8	969	7.6	--	--	--
504	Tc	4,326	Nov. 7, 1969	29	--	2	2	217	2.0	450	52	53	.6	< .4	--	579	15	922	8.0	96.76	25.9	7.1
504	Tc	4,326	June 14, 1977	34	--	4	1	230	--	443	64	54	.5	< .4	--	605	10	927	8.1	97.26	26.6	6.9
805	Tc	4,359	June 24, 1968	29	.4	2	1	235	--	451	15	35	.4	.7	--	540	7	955	8.6	98.25	33.8	7.7
805	Tc	4,359	Mar. 3, 1969	--	.2	3	2	228	--	451	23	62	.4	< .4	--	559	17	--	8.7	96.93	25.0	7.0
805	Tc	4,359	Nov. 13, 1969	30	.2	2	2	225	2.0	438	65	60	.6	< .4	--	602	12	950	7.8	96.87	26.9	6.9
805	Tc	4,359	May 12, 1971	--	.0	3	1	233	--	461	38	62	.6	< .4	--	579	11	--	8.7	97.76	29.7	7.3
805	Tc	4,359	May 10, 1972	--	.1	2	2	238	--	475	42	64	.6	1.5	--	593	12	--	8.6	97.51	28.4	7.5
805	Tc	4,359	June 14, 1973	--	.1	2	2	239	--	466	43	64	.7	1.0	--	630	12	--	8.6	97.52	28.6	7.3
805	Tc	4,359	June 15, 1974	--	--	3	1	242	--	464	50	64	.7	1.1	--	640	9	--	8.6	97.84	30.9	7.3
805	Tc	4,359	July 25, 1974	--	.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
805	Tc	4,359	July 7, 1975	--	.0	3	1	242	--	460	42	62	.7	1.3	--	620	9	--	8.6	97.84	30.9	7.3
805	Tc	4,359	Aug. 2, 1976	--	.1	4	1	242	--	464	23	64	.6	1.5	--	630	9	--	8.9	97.99	28.0	7.3
805	Tc	4,359	Sept. 16, 1976	--	.1	4	1	249	--	481	37	64	.6	.2	--	600	10	--	8.7	97.66	28.8	7.6
18-201	Ts	480	June 19, 1932	--	--	9	0	639	--	324	547	412	--	2.7	--	1,699	28	--	--	98.41	58.6	4.8
201	Ts	480	Aug. 31, 1970	13	--	11	7	530	1.0	306	436	365	.6	.4	--	1,534	57	2,400	7.6	95.24	30.7	3.8
201	Ts	480	June 10, 1977	16	--	16	3	560	--	312	479	365	.4	3.1	--	1,595	53	2,450	8.1	95.88	33.7	4.0
601	Tc	2,507	Aug. 18, 1964	19	.4	25	9	88	6.2	286	45	15	.3	.0	0.2	348	101	560	7.3	64.07	3.8	2.6
601	Tc	2,507	Aug. 6, 1969	19	--	25	9	91	6.0	287	47	16	.6	.4	--	355	99	552	7.9	64.89	3.9	2.7
601	Tc	2,507	July 25, 1973	20	.3	38	9	97	4.0	336	50	17	.5	.4	.2	401	133	622	8.3	60.64	3.6	2.8
601	Tc	2,507	July 24, 1974	21	--	26	8	95	--	283	46	17	.5	.2	--	352	100	562	7.9	67.88	4.1	2.6
601	Tc	2,507	June 23, 1975	20	--	27	7	98	--	296	47	18	.5	< .4	--	363	96	589	7.7	68.91	4.3	2.9

ATASCOSA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-78-18-601	Tc	2,507	June 10, 1977	24	--	25	8	95	--	202	45	16	0.4	0.4	--	357	96	567	7.9	68.44	4.2	2.8
20-301	Tc	2,975	Aug. 12, 1968	21	--	22	10	88	7.0	273	48	19	.5	< .4	0.1	350	97	560	7.9	64.58	3.9	2.5
301	Tc	2,975	July 23, 1974	20	--	30	9	84	--	272	47	18	.4	.2	--	342	110	550	8.1	62.02	3.4	2.2
301	Tc	2,975	June 23, 1975	21	--	30	9	79	--	268	46	18	.4	< .4	--	335	113	550	7.8	60.57	3.2	2.1
301	Tc	2,975	July 22, 1976	19	--	29	10	79	--	270	44	18	.3	< .4	--	332	114	543	7.8	60.22	3.2	2.1
301	Tc	2,975	June 13, 1977	19	--	30	10	80	--	275	45	17	.3	< .4	--	336	117	540	7.9	60.00	3.2	2.1
801	Tqc	2,300	Mar. 23, 1959	22	--	2	--	384	--	718	106	79	1.0	< .0	--	965	7	1,560	8.5	--	--	--
801	Tqc	2,300	Nov. 26, 1962	20	0.1	3	0	380	--	744	104	80	.9	.0	--	953	7	1,510	8.0	98.10	60.4	12.0
801	Tqc	2,300	June 23, 1977	20	--	3	1	368	--	675	101	75	.8	< .4	--	901	9	1,460	8.9	98.57	47.0	10.8
22-201	Tc	4,015	Nov. 7, 1969	27	--	3	1	233	2.0	476	52	48	.5	< .4	--	600	12	927	7.9	97.28	29.7	7.5
201	Tc	4,015	July 14, 1972	28	--	3	2	228	2.0	484	47	49	.6	< .4	.3	598	16	908	8.2	96.44	25.0	7.6
201	Tc	4,015	July 23, 1974	27	--	2	1	252	--	540	39	51	.8	.7	--	638	10	1,040	8.0	98.36	36.3	8.6
201	Tc	4,015	June 24, 1975	29	.1	4	1	206	--	411	55	47	.6	< .4	--	545	11	850	8.2	96.95	23.8	6.4
201	Tc	4,015	July 22, 1976	29	--	3	1	213	--	420	54	47	.5	< .4	--	554	9	850	8.3	97.55	27.2	6.6
201	Tc	4,015	June 14, 1977	30	--	3	1	202	--	397	58	44	.5	< .4	--	534	9	834	8.4	97.42	25.8	6.7

BEXAR COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AY-68-45-502	Twi	100	Feb. 10, 1970	21	--	130	15	57	2.0	479	35	45	0.5	17.0	--	558	387	890	7.4	24.18	1.2	0.1
502	Twi	100	Aug. 15, 1977	20	--	135	7	48	--	450	19	56	.3	< .4	--	506	365	842	7.8	22.21	1.0	.0
46-302	Twi	258	July 20, 1977	19	--	90	48	540	--	490	640	390	.2	.9	--	1,969	423	2,840	8.0	73.57	11.4	.0
702	Twi	500	Aug. 10, 1970	21	0.3	84	27	213	6.0	292	328	157	.8	< .4	--	981	320	1,490	7.9	58.52	5.1	.0
702	Twi	500	Mar. 9, 1972	--	.0	77	25	213	--	298	317	146	.8	< .4	--	1,080	295	--	7.9	61.10	5.3	.0
702	Twi	500	June 28, 1973	--	.2	75	27	212	--	301	304	138	1.0	2.5	--	1,060	298	--	7.6	60.73	5.3	.0
702	Twi	500	Sept. 7, 1974	--	.3	78	23	196	--	307	278	141	.8	2.5	--	1,040	291	--	7.8	59.58	5.0	.0
702	Twi	500	Mar. 1, 1976	--	.1	77	26	199	--	309	269	140	.6	< .4	--	1,020	297	--	8.1	59.14	5.0	.0
702	Twi	500	July 20, 1977	22	--	76	23	201	--	310	271	132	.7	< .4	--	878	284	1,350	8.0	60.60	5.1	.0
702	Twi	5DD	July 27, 1977	28	--	78	22	206	--	310	278	131	.7	< .4	--	896	285	1,350	8.2	61.11	5.3	.0
52-405	Twi	408	Feb. 18, 1970	20	1.3	70	21	46	10.0	289	49	62	1.1	< .4	--	422	262	685	7.4	26.76	1.2	.0
405	Twi	408	July 26, 1977	26	--	73	15	42	--	276	43	46	.8	< .4	--	381	243	630	7.9	27.25	1.1	.0
53-809	Tc	446	Aug. 22, 1977	32	--	9	2	20	6.0	16	13	38	.1	< .4	--	128	30	190	6.4	53.14	1.5	.0

CALDWELL COUNTY

Table 4.--Chemical Analysis of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
BU-67-19-306	Twl	330	Jan. 8, 1964	43	10.0	142	31	92	5.3	240	190	212	0.8	0.0	--	844	482	1,370	6.7	29.05	1.8	0.0
306	Twl	330	Jan. 14, 1970	35	--	126	30	106	4.0	290	180	177	.6	< .4	--	801	440	1,250	7.6	34.23	2.2	.0
306	Twl	330	Aug. 17, 1977	32	--	87	26	135	7.0	318	194	117	.2	< .4	--	752	315	1,150	7.9	47.48	3.3	.0
20-802	Twl	200	Jan. 23, 1964	30	--	16	14	41	--	80	23	68	.1	.2	--	231	98	399	6.2	47.77	1.8	.0
802	Twl	200	July 29, 1977	66	--	132	29	52	--	142	315	88	.7	< .4	--	752	447	1,039	7.1	20.13	1.0	.0

DIMMIT COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
H2-76-48-401	Twi	243	July 21, 1960	13	--	156	61	2,120	--	174	1,180	2,750	0.4	--	--	6,365	640	9,800	6.9	87.81	36.4	0.0
401	Twi	243	July 7, 1977	16	--	118	32	1,280	--	214	860	1,570	.4	5.3	--	3,986	427	5,800	7.8	86.72	26.9	.0
801	Tc	55	Feb. 11, 1965	52	--	138	21	104	--	221	130	195	.9	81.0	--	830	430	1,300	7.0	34.43	2.1	.0
801	Tc	55	July 19, 1972	57	0.0	178	29	124	6.0	265	163	249	.8	120.0	--	1,057	560	1,550	7.1	32.07	2.2	.0
801	Tc	55	July 11, 1973	55	.0	199	34	148	4.0	278	193	288	1.1	183.0	0.7	1,242	640	1,840	7.2	33.41	2.5	.0
801	Tc	55	July 17, 1974	51	--	130	16	97	--	270	119	170	.9	14.0	--	730	391	1,116	7.3	35.09	2.1	.0
801	Tc	55	July 23, 1975	53	--	134	15	93	--	273	124	170	.9	17.0	--	741	396	1,100	7.3	33.80	2.0	.0
801	Tc	55	July 20, 1976	50	--	192	28	125	--	260	148	253	.8	161.0	--	1,085	590	1,660	7.6	31.39	2.2	.0
801	Tc	55	July 7, 1977	53	--	164	22	105	7.0	259	143	215	.9	114.9	--	952	500	1,470	7.6	30.98	2.0	.0
77-18-704	Tc	1,041	July 24, 1930	21	.0	44	14	59	3.0	267	37	28	--	.1	--	337	167	--	--	42.84	1.9	1.0
704	Tc	1,041	Nov. 29, 1938	--	--	--	--	--	--	310	92	108	.3	.2	--	--	69	--	--	--	--	--
704	Tc	1,041	Dec. 28, 1948	19	--	45	14	55	--	260	38	26	--	.0	--	324	170	537	--	41.32	1.8	.8
704	Tc	1,041	Mar. 13, 1969	22	--	44	11	66	4.0	264	34	31	.4	< .4	.2	342	155	548	7.7	47.27	2.3	1.2
704	Tc	1,041	July 17, 1974	19	--	42	7	182	--	296	69	158	.7	.2	--	623	133	1,035	7.9	74.77	6.8	2.1
704	Tc	1,041	July 22, 1975	20	--	46	9	97	--	279	42	66	.5	< .4	--	418	150	688	7.9	58.15	3.4	1.5
704	Tc	1,041	July 28, 1976	22	--	42	10	102	--	273	48	70	.4	< .4	--	429	148	697	7.9	60.32	3.6	1.5
704	Tc	1,041	July 8, 1977	21	--	42	10	113	--	275	54	85	.4	< .4	--	461	148	769	7.9	62.74	4.0	1.5
904	Tc	1,273	June 26, 1969	22	--	58	13	67	4.0	295	60	36	.5	< .4	--	405	199	647	7.6	41.75	2.0	.8
904	Tc	1,273	July 8, 1977	21	--	32	9	118	4.0	304	59	52	.5	< .4	--	445	116	708	8.0	67.78	4.7	2.6
25-205	Tc	325	July 7, 1977	14	--	35	22	138	--	168	188	112	.6	1.4	--	593	180	974	7.3	62.80	4.5	.0
26-711	Tc	350	Aug. 31, 1960	--	.1	26	8	114	--	282	76	41	.2	< .4	--	404	98	669	7.9	71.72	5.0	2.6
711	Tc	350	Sept. 19, 1962	--	.1	16	5	138	--	288	55	60	.3	< .4	--	416	62	732	8.0	83.22	7.7	3.5
711	Tc	350	June 19, 1963	--	.2	15	5	128	--	285	49	43	.5	< .4	--	381	57	702	8.2	82.76	7.3	3.5
711	Tc	350	Mar. 14, 1968	--	2.2	16	5	159	--	301	61	69	.4	< .4	--	458	62	855	7.8	85.11	8.8	3.7
805	Tc	450	Mar. 14, 1968	--	.2	20	6	118	--	278	46	39	.4	< .4	--	366	74	684	7.6	77.48	5.9	3.0
805	Tc	450	July 7, 1977	20	--	27	9	115	--	265	71	48	.4	< .4	--	421	103	675	7.9	70.55	4.8	2.2
815	Tc	510	Apr. 7, 1975	--	.0	32	8	176	--	270	119	115	.6	< .4	--	720	114	1,136	8.0	77.24	7.2	2.1
27-112	Tc	1,069	July 30, 1968	20	--	54	12	65	--	298	47	30	.4	< .4	--	375	184	630	7.6	43.44	2.0	1.2
112	Tc	1,069	July 3, 1969	26	--	46	16	64	4.0	293	48	31	.5	< .4	.2	380	180	606	7.6	42.84	2.0	1.1
112	Tc	1,069	Aug. 2, 1977	19	--	36	10	83	--	284	42	32	.5	< .4	--	362	131	572	8.1	57.95	3.1	2.0
302	Tc	1,333	June 26, 1969	20	--	52	8	87	5.0	298	69	37	.6	< .4	--	425	165	665	7.8	52.81	2.9	1.6
302	Tc	1,333	July 8, 1977	21	--	46	11	104	5.0	296	75	58	.5	< .4	--	466	163	746	8.2	57.61	3.5	1.6
709	Tb	99	Dec. 12, 1974	36	--	309	42	288	2.0	378	880	241	5.4	5.4	--	1,994	950	2,450	7.6	39.83	4.0	.0

DIMIT COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
HZ-77-28-503	Tc	1,500	July 13, 1964	--	1.1	20	8	124	--	304	55	32	0.6	< 0.4	--	540	81	726	7.9	76.51	5.9	3.3
503	Tc	1,500	Apr. 11, 1969	20	.4	20	8	119	5.0	307	54	34	.6	< .4	0.3	412	85	684	7.8	74.37	5.6	3.3
601	Tc	1,700	July 12, 1973	16	--	21	9	131	2.0	303	63	52	.6	< .4	--	443	91	720	7.8	75.60	6.0	3.1
601	Tc	1,700	July 17, 1974	17	--	14	4	200	--	325	99	82	.7	< .4	--	576	51	916	8.0	89.43	12.1	4.2
601	Tc	1,700	July 24, 1975	17	--	27	6	130	--	305	66	47	.6	< .4	--	443	91	715	8.1	75.44	5.8	3.1
601	Tc	1,700	July 21, 1976	19	--	24	7	131	--	305	63	47	.5	< .4	--	441	90	715	8.1	76.26	6.0	3.2
601	Tc	1,700	July 6, 1977	20	--	23	7	138	4.0	306	73	48	.5	< .4	--	464	85	735	8.2	76.68	6.4	3.2
33-701	Tb-Tc	300	July 23, 1975	40	--	79	12	92	--	253	62	122	.6	18.0	--	550	248	874	7.4	44.81	2.5	.0
701	Tb-tc	300	July 20, 1976	45	--	75	14	90	6.0	250	52	120	.5	36.0	--	561	246	870	7.3	43.68	2.5	.0
701	Tb-tc	300	July 7, 1977	13	--	74	14	88	--	252	52	116	.6	19.4	--	500	242	875	7.4	44.14	2.4	.0
809	Tc-Twi	525	Aug. 3, 1977	45	--	80	11	84	--	221	81	114	.3	5.0	--	528	248	827	7.8	42.73	2.3	.0
34-204	Tc	670	Dec. 7, 1938	--	--	--	--	--	--	290	172	190	--	.0	--	--	87	--	--	--	--	--
204	Tc	670	Mar. 22, 1957	--	--	--	--	--	--	--	--	136	--	--	--	--	--	1,130	--	--	--	--
204	Tc	670	Feb. 6, 1969	16	.2	33	9	227	4.0	281	155	166	.7	< .4	.6	750	121	1,190	7.8	79.86	9.0	2.2
204	Tc	670	Aug. 2, 1977	14	--	15	3	230	--	255	116	167	.7	< .4	--	671	52	1,080	8.2	90.95	14.1	3.1
408	Tc	610	Mar. 12, 1969	34	--	73	13	159	5.0	292	199	103	.7	< .4	.7	731	237	1,094	7.6	58.83	4.5	.0
408	Tc	610	Aug. 3, 1977	40	--	64	6	150	--	288	144	95	.6	< .4	--	641	185	968	7.9	63.89	4.8	1.0
604	Tc	850	July 11, 1973	11	--	280	153	2,090	14.0	96	1,310	3,100	1.2	3.5	--	7,009	1,330	9,200	6.8	77.15	24.9	.0
604	Tc	850	July 17, 1974	16	--	75	18	425	--	229	317	479	.6	< .4	--	1,443	262	2,260	7.4	77.97	11.4	.0
604	Tc	850	July 24, 1975	7	--	188	58	1,270	--	138	880	1,760	.8	< .4	--	4,232	710	5,650	7.5	79.60	20.7	.0
604	Tc	850	July 20, 1976	5	--	25	9	560	--	144	175	710	.4	< .4	--	1,555	101	2,700	8.0	92.45	24.4	.3
604	Tc	850	Aug. 3, 1977	3	--	10	3	365	--	133	161	396	.4	< .4	--	1,004	38	1,750	8.1	95.51	26.0	1.4
35-403	Tc	706	Apr. 4, 1969	17	--	42	13	261	5.0	231	182	245	.6	< .4	--	879	159	1,470	7.6	77.51	9.0	.6
403	Tc	706	Aug. 3, 1977	23	--	48	9	209	--	231	172	174	.4	< .4	--	749	157	1,160	7.9	74.35	7.2	.6
601	Tc	1,050	Aug. 4, 1977	14	--	29	11	1,112	--	450	587	1,109	1.5	< .4	--	3,085	118	4,610	8.0	95.36	44.6	5.0
37-102	Tc	1,768	Apr. 10, 1969	20	--	12	6	147	3.0	282	73	59	.5	< .4	.3	459	56	761	7.9	84.54	8.6	3.5
102	Tc	1,768	July 6, 1977	19	--	13	5	150	3.0	282	74	60	.4	< .4	--	463	53	745	7.9	85.16	8.9	3.5
106	Tb	970	Dec. 12, 1974	13	--	4	2	850	--	1,010	296	520	3.0	3.4	--	2,188	19	3,250	8.5	99.02	86.6	16.1
106	Tb	970	July 24, 1975	14	--	5	2	850	--	1,020	275	520	4.2	< .4	--	2,172	20	2,890	8.3	98.89	81.2	16.3
106	Tb	970	July 27, 1976	13	--	5	1	860	--	1,010	288	520	3.8	< .4	--	2,187	17	3,360	8.5	99.12	91.8	16.2
106	Tb	970	July 6, 1977	13	--	4	2	870	--	980	291	520	.4	< .4	--	2,182	16	3,420	8.5	99.04	88.7	15.6
41-401	Tc-Twt	375	Feb. 10, 1965	43	--	99	18	247	--	250	254	281	.7	< .4	.6	1,066	322	1,700	7.4	62.59	5.9	.0

DIMIT COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
H2-77-41-401	Tc-Twf	375	Aug. 3, 1977	29	--	71	17	257	--	200	194	322	0.5	< 0.4	--	989	247	1,620	8.0	69.35	7.1	0.0
42-801	Tc	1,374	Mar. 19, 1930	46	0.2	22	10	201	8.8	248	243	71	--	.3	--	724	96	--	--	80.29	8.9	2.1
801	Tc	1,374	Mar. 14, 1957	--	--	--	--	--	--	--	--	5,150	--	--	--	--	--	16,100	--	--	--	--
801	Tc	1,374	Mar. 26, 1957	--	--	--	--	--	--	--	--	73	--	--	--	--	--	1,090	--	--	--	--
801	Tc	1,374	July 24, 1975	19	--	37	7	190	--	250	232	72	.6	< .4	--	680	122	1,053	7.7	77.33	7.5	1.6
801	Tc	1,374	July 20, 1976	20	--	34	9	191	--	249	228	72	.4	< .4	--	677	121	1,044	7.9	77.32	7.5	1.6
801	Tc	1,374	Aug. 3, 1977	23	--	35	7	190	--	249	230	71	.4	< .4	--	679	117	1,014	8.2	78.06	7.6	1.7
44-101	Tc	1,200	May 26, 1971	15	--	8	3	288	1.0	349	112	185	.8	< .4	--	784	32	1,260	8.4	94.91	22.0	5.0
101	Tc	1,200	Aug. 3, 1977	19	--	10	2	212	--	249	120	118	.5	< .4	--	604	35	977	8.5	93.28	16.0	3.4
102	Tb-Tc	1,334	Mar. 22, 1950	25	.1	25	24	496	--	250	301	511	.5	< .4	--	1,506	161	--	7.6	87.00	17.0	.8
102	Tb-Tc	1,334	Feb. 6, 1959	--	.4	24	9	323	--	232	174	328	.3	< .4	--	1,182	98	1,970	7.8	87.88	14.2	1.8
102	Tb-Tc	1,334	Apr. 9, 1969	16	.1	29	13	468	4.0	244	237	500	.6	< .4	0.8	1,389	127	2,350	8.1	88.60	18.1	1.4
102	Tb-Tc	1,334	May 26, 1971	15	--	40	17	630	2.0	244	330	760	.6	< .4	--	1,914	168	2,900	8.1	88.83	21.0	.6
102	Tb-Tc	1,334	May 13, 1972	--	.0	37	11	610	--	243	294	690	.6	3.5	--	1,890	140	--	8.1	90.60	22.6	1.2
502	Tc	1,988	Aug. 3, 1977	18	--	3	1	245	--	272	122	142	.5	< .4	--	665	12	1,075	8.2	97.87	31.2	4.2

FRIO COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KB-68-57-619	Tc	416	July 14, 1969	33	--	44	5	37	5.0	105	38	60	0.3	< 0.4	--	274	128	443	7.1	37.04	1.4	0.0
619	Tc	416	July 13, 1972	34	--	60	6	49	5.0	126	61	82	.2	< .4	D.1	359	173	567	6.7	37.09	1.6	.0
619	Tc	416	July 18, 1973	29	0.7	48	5	36	2.0	122	30	61	.3	1.3	.1	273	141	450	7.1	35.40	1.3	.0
619	Tc	416	July 30, 1974	31	--	54	4	46	--	110	56	79	.3	1.3	--	325	153	536	7.3	39.87	1.6	.0
619	Tc	416	June 17, 1975	33	--	47	3	38	--	94	37	68	.3	3.0	--	275	131	464	6.9	38.93	1.4	.0
619	Tc	416	Aug. 2, 1976	32	--	48	3	37	--	96	37	70	.1	2.3	--	276	133	464	7.1	37.85	1.4	.0
619	Tc	416	June 2, 1977	38	--	49	3	40	--	105	36	70	.2	1.2	--	289	136	475	7.0	39.26	1.4	.0
58-506	Tc	636	July 17, 1969	25	--	78	5	49	5.0	162	50	97	.3	< .4	--	389	215	664	7.1	32.47	1.4	.0
506	Tc	636	Aug. 19, 1977	27	--	76	6	44	--	174	42	91	.3	< .4	--	372	217	646	7.6	30.87	1.3	.0
69-61-916	Tc	339	Aug. 25, 1977	26	--	118	13	25	--	373	37	44	.4	< .4	--	447	351	721	7.6	13.51	.5	.0
62-704	Tc	545	June 18, 1975	26	--	289	27	127	--	362	98	476	.5	60.0	--	1,281	830	2,110	7.1	24.92	1.9	.0
704	Tc	545	June 2, 1977	23	--	187	18	73	--	346	94	214	.4	2.8	--	782	540	1,310	7.5	22.70	1.3	.0
63-604	Tc	233	Oct. 1, 1969	24	--	239	29	148	9.0	244	264	409	.7	< .4	--	1,243	720	1,970	7.3	30.68	2.4	.0
604	Tc	233	Aug. 30, 1977	16	--	83	11	40	--	184	82	75	.4	< .4	--	398	252	667	8.1	25.63	1.0	.0
64-607	Tc	460	Nov. 19, 1968	--	.8	99	8	44	--	293	46	65	.3	1.0	--	560	282	--	7.4	25.47	1.1	.0
607	Tc	460	June 11, 1969	20	.1	98	9	45	3.0	294	48	63	.3	2.5	--	434	283	721	7.6	25.53	1.1	.0
607	Tc	460	June 7, 1970	--	.2	98	10	46	--	295	52	65	.3	2.0	--	570	285	--	7.3	25.94	1.1	.0
607	Tc	460	Aug. 8, 1971	--	--	101	9	47	--	294	52	70	.3	1.5	--	580	295	--	7.3	25.80	1.1	.0
607	Tc	460	Jan. 14, 1973	--	.5	99	10	52	--	299	58	69	.2	3.5	--	590	287	--	7.3	28.18	1.3	.0
607	Tc	460	Mar. 16, 1974	--	--	104	7	50	--	303	52	72	.3	2.9	--	590	290	--	7.3	27.39	1.2	.0
607	Tc	460	May 31, 1974	--	.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
607	Tc	460	Nov. 29, 1975	--	.9	101	9	55	--	304	58	67	.2	3.5	--	600	290	--	8.1	29.27	1.4	.0
607	Tc	460	Aug. 30, 1977	24	--	101	9	55	--	318	50	63	.9	2.5	--	461	287	750	7.8	29.27	1.4	.0
77-06-307	Tc	1,000	June 21, 1977	14	--	104	14	32	--	340	65	31	.5	< .4	--	428	316	639	7.8	18.00	.7	.0
07-101	Tc	1,136	Aug. 13, 1964	14	1.8	94	14	42	7.6	332	66	39	.6	.0	.2	442	292	734	7.3	23.23	1.0	.0
101	Tc	1,136	Aug. 22, 1969	13	--	109	16	24	5.0	343	58	31	.5	< .4	--	425	336	702	7.3	13.17	.5	.0
101	Tc	1,136	Aug. 25, 1977	16	--	73	15	74	12.0	312	74	63	.5	< .4	--	481	423	784	7.9	38.31	2.0	.2
08-713	Tc	1,302	May 9, 1945	18	.6	95	17	17	--	296	62	25	.6	.0	--	380	307	628	7.1	10.75	.4	.0
713	Tc	1,302	July 25, 1947	17	.5	90	16	31	--	299	65	32	.3	< .4	--	399	291	--	7.7	18.84	.7	.0
713	Tc	1,302	Feb. 6, 1950	17	.1	85	12	52	--	305	70	65	.5	< .4	--	451	262	--	6.9	30.19	1.3	.0
713	Tc	1,302	July 28, 1971	--	.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
714	Tc	1,350	Sept. 8, 1950	23	.4	87	15	32	--	299	60	26	.4	2.7	--	393	279	--	7.3	19.98	.8	.0

ERIO COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KB-77-08-714	Tc	1,350	Apr. 26, 1952	15	0.2	84	15	39	--	299	69	28	0.5	< 0.4	--	398	271	--	7.4	23.82	1.0	0.0
714	Tc	1,350	Feb. 13, 1953	15	.2	88	16	5	--	293	64	28	.4	< .4	--	361	336	--	7.5	3.67	.1	.0
714	Tc	1,350	Sept. 8, 1954	10	.2	83	15	38	--	299	64	28	.4	< .4	--	386	269	--	7.3	23.51	1.0	.0
714	Tc	1,350	Feb. 13, 1957	--	.6	80	14	27	--	287	58	24	.4	< .4	--	360	258	597	7.0	18.59	.7	.0
714	Tc	1,350	Jan. 20, 1958	--	.3	80	16	33	--	304	59	27	.4	< .4	--	368	265	563	6.9	21.28	.8	.0
714	Tc	1,350	Oct. 14, 1969	16	--	86	13	25	6.0	287	54	24	.5	< .4	--	366	268	589	7.9	16.47	.6	.0
714	Tc	1,350	July 28, 1971	--	.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
714	Tc	1,350	July 12, 1972	16	--	85	15	26	6.0	293	56	25	.4	< .4	--	373	276	577	7.4	16.73	.6	.0
714	Tc	1,350	July 26, 1974	15	--	93	11	26	5.0	292	57	25	.5	< .4	0.2	376	280	606	7.5	16.62	.6	.0
714	Tc	1,350	June 18, 1975	16	--	91	11	26	--	294	55	25	.5	< .4	--	369	273	610	7.7	17.19	.6	.0
714	Tc	1,350	Aug. 2, 1976	16	--	102	13	24	--	311	71	27	.4	< .4	--	406	306	648	8.1	14.49	.5	.0
714	Tc	1,350	June 7, 1977	20	--	92	12	26	--	294	57	24	.4	< .4	--	376	278	610	7.6	16.85	.6	.0
715	Tc	1,392	Dec. 31, 1969	--	.1	96	15	23	--	298	67	27	.5	< .4	--	530	304	740	7.5	14.24	.5	.0
715	Tc	1,392	July 28, 1971	--	.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
716	Tc	1,572	Nov. 1, 1963	--	.4	94	12	56	--	300	63	26	.5	< .4	--	520	289	708	7.2	30.02	1.4	.0
716	Tc	1,572	July 28, 1971	--	.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14-904	Tc	1,628	June 19, 1975	15	--	94	10	23	--	293	56	20	.4	< .4	--	362	277	600	7.7	15.36	.6	.0
904	Tc	1,628	June 7, 1977	20	--	92	12	22	--	292	58	18	.3	< .4	--	366	278	588	7.6	14.64	.5	.0
908	Tc	1,700	July 30, 1973	15	--	93	13	23	3.0	299	63	21	.4	< .4	.1	378	288	604	7.5	14.74	.5	.0
908	Tc	1,700	July 26, 1974	15	--	99	11	23	--	299	58	19	.4	< .4	.1	372	291	600	7.9	14.61	.5	.0
908	Tc	1,700	Aug. 2, 1976	17	--	89	11	23	--	285	61	20	.3	< .4	--	361	269	586	7.8	15.76	.6	.0
908	Tc	1,700	June 7, 1977	21	--	98	10	23	--	299	61	20	.3	< .4	--	380	288	610	7.7	14.90	.5	.0
15-304	Tc	1,460	Aug. 7, 1969	17	--	99	16	23	6.0	321	67	25	.4	< .4	.1	411	313	645	7.5	13.50	.5	.0
304	Tc	1,460	June 8, 1977	21	--	103	14	17	20.0	312	68	27	.3	< .4	--	424	314	657	7.4	9.80	.4	.0
903	Tqc	277	July 24, 1940	--	--	46	23	486	--	212	540	375	.4	1.0	--	1,575	209	--	7.2	83.46	14.6	.0
903	Tqc	277	Aug. 27, 1970	14	--	42	20	473	3.0	222	500	379	.6	1.0	--	1,541	188	2,380	7.4	84.35	15.0	.0
903	Tqc	277	June 8, 1977	18	--	48	17	468	--	216	540	359	.4	< .4	--	1,557	192	2,340	7.5	84.29	14.7	.0
16-501	Tc	1,665	July 30, 1969	16	--	92	17	37	6.0	298	89	36	.5	< .4	--	440	301	703	7.7	20.76	.9	.0
501	Tc	1,665	Aug. 24, 1977	18	--	94	14	29	--	299	72	29	.4	< .4	--	403	292	646	7.9	17.75	.7	.0
22-401	Tc	--	Aug. 19, 1969	20	--	36	9	86	5.0	290	46	21	.6	< .4	.2	366	129	590	7.7	58.40	3.3	2.2
401	Tc	--	June 8, 1977	24	--	39	7	86	--	290	48	22	.5	< .4	--	369	128	590	7.7	59.73	3.3	2.2
23-305	Tc	1,852	July 30, 1973	15	.5	59	13	35	1.0	268	37	15	.5	< .4	--	308	202	500	7.6	27.37	1.0	.3
305	Tc	1,852	July 31, 1974	15	--	64	9	33	--	267	36	14	.5	< .4	--	303	199	502	7.8	26.73	1.0	.4

PRIO COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KB-77-23-305	Tc	1,852	July 30, 1976	17	--	62	9	35	--	271	35	13	0.4	< 0.4	--	305	195	499	8.0	28.42	1.0	0.6
305	Tc	1,852	June 7, 1977	21	--	63	9	34	--	267	30	13	.4	< .4	--	302	195	502	7.6	27.57	1.0	.4
701	Tc	2,045	July 13, 1956	22	--	25	9	99	5.5	292	51	26	--	.2	0.2	381	102	622	7.8	66.92	4.3	2.7
701	Tc	2,045	Aug. 12, 1964	21	0.1	28	11	98	5.1	298	50	24	.5	.0	.2	384	115	616	7.6	63.67	3.9	2.5
701	Tc	2,045	Nov. 5, 1969	11	--	15	7	91	5.0	256	22	25	.5	< .4	--	302	66	500	8.1	73.16	4.8	2.8
701	Tc	2,045	Aug. 24, 1977	24	--	29	9	106	6.0	293	60	36	.4	< .4	--	414	111	652	8.1	66.33	4.4	2.6
801	Tc	2,010	Jan. 23, 1928	27	.2	32	11	80	4.6	282	45	18	--	< .4	--	356	125	--	--	57.05	3.1	2.1
801	Tc	2,010	Dec. 8, 1939	20	.9	16	11	104	--	293	44	18	.5	< .4	--	358	85	--	7.2	72.65	4.9	3.0
801	Tc	2,010	Apr. 13, 1945	--	.6	31	10	89	--	280	47	23	.7	< .4	--	344	119	--	7.9	62.03	3.5	2.2
801	Tc	2,010	May 9, 1945	27	--	--	--	--	--	--	--	20	--	.2	--	365	--	--	7.9	--	--	--
801	Tc	2,010	Nov. 17, 1954	22	.6	29	9	100	--	281	58	25	.4	< .4	--	382	110	--	7.9	66.54	4.1	2.4
801	Tc	2,010	Mar. 4, 1958	--	2.6	20	10	60	--	159	56	38	.4	< .4	--	353	89	589	7.5	58.91	2.7	.7
801	Tc	2,010	Aug. 21, 1959	10	16.0	26	8	66	--	154	72	51	.4	< .4	--	325	98	568	7.8	59.48	2.9	.5
802	Tla	523	Oct. 10, 1952	32	.4	27	12	125	--	293	24	46	1.1	< .4	--	411	142	--	8.1	69.96	5.0	2.4
802	Tla	523	Nov. 17, 1954	20	.6	42	16	217	--	311	227	107	.9	--	--	783	171	--	--	73.45	7.2	1.6
802	Tla	523	Sept. 28, 1961	--	5.4	90	31	200	--	293	288	162	.8	--	--	975	385	1,900	--	55.27	4.6	.0
802	Tla	523	Aug. 1, 1966	--	.8	70	43	113	--	299	170	121	1.0	< .4	--	820	352	--	7.6	41.15	2.6	.0
802	Tla	523	Dec. 18, 1967	--	1.7	116	26	198	--	296	318	186	.9	< .4	--	1,140	395	--	7.6	52.07	4.3	.0
802	Tla	523	July 31, 1969	--	.0	135	54	288	--	282	570	270	1.1	< .4	--	1,600	560	--	7.5	52.84	5.2	.0
802	Tla	523	Sept. 10, 1971	--	7.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
802	Tla	523	Oct. 3, 1973	--	3.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
802	Tla	523	Aug. 26, 1974	--	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
802	Tla	523	Sept. 15, 1976	--	.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
802	Tla	523	June 7, 1977	25	--	102	28	74	12.4	322	146	98	.9	< .4	--	645	369	1,000	7.8	29.45	1.6	.0
803	Tc	2,082	Dec. 21, 1955	19	1.2	51	14	173	--	305	175	92	.4	< .4	--	675	185	--	7.7	67.06	5.5	1.3
803	Tc	2,082	Aug. 13, 1956	--	.8	29	10	88	--	287	52	28	.4	< .4	--	357	112	--	8.0	62.77	3.5	2.4
803	Tc	2,082	Dec. 30, 1957	--	1.0	51	20	160	--	288	194	90	.4	< .4	--	687	210	1,145	7.0	62.42	4.8	.5
803	Tc	2,082	Jan. 20, 1958	--	1.1	64	25	190	--	293	254	128	.4	< .4	--	648	265	1,080	7.2	61.15	5.1	.0
803	Tc	2,082	Dec. 8, 1958	--	1.5	73	24	186	--	276	260	136	.4	< .4	--	978	286	1,630	7.7	59.02	4.8	.0
803	Tc	2,082	Aug. 1, 1959	--	16.0	26	8	66	--	--	72	5	.4	< .4	--	341	98	568	7.8	59.48	2.9	--
803	Tc	2,082	Aug. 21, 1959	21	.9	51	18	136	--	294	148	79	.5	< .4	--	599	204	1,000	7.9	59.50	4.1	.7
803	Tc	2,082	Dec. 20, 1960	--	1.1	52	30	146	--	289	165	82	.3	< .4	--	651	255	1,094	7.4	55.64	3.9	.0
803	Tc	2,082	Mar. 11, 1961	--	.4	50	19	144	--	278	155	76	.4	< .4	--	581	203	--	7.5	60.68	4.3	.4

FRIO COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KB-77-23-803	Tc	2,082	Sept. 28, 1961	--	0.2	46	18	156	--	261	165	84	0.4	< 0.4	--	750	190	1,250	8.0	64.25	4.9	0.5
803	Tc	2,082	Oct. 3, 1961	--	52.0	46	18	146	--	276	148	76	.3	< .4	--	570	190	--	7.5	62.71	4.6	.7
803	Tc	2,082	May 29, 1962	--	1.3	46	21	152	--	260	179	114	.3	< .4	--	717	200	1,195	7.8	62.17	4.6	.2
803	Tc	2,082	June 5, 1962	--	.7	56	22	168	--	281	201	106	.4	< .4	--	691	230	--	7.5	61.35	4.8	.0
803	Tc	2,082	July 22, 1963	--	.2	58	23	170	--	265	233	119	.6	< .4	--	870	239	1,410	8.0	60.71	4.7	.0
803	Tc	2,082	July 22, 1963	--	.5	63	24	174	--	266	239	121	.6	< .4	--	890	256	1,416	7.9	59.66	4.7	.0
803	Tc	2,082	July 26, 1963	--	.2	55	21	155	--	282	199	98	.6	< .4	--	667	223	--	7.6	60.12	4.5	.1
803	Tc	2,082	Mar. 30, 1964	--	.0	78	26	223	--	272	321	162	.9	< .4	--	1,080	301	1,824	7.8	61.66	5.5	.0
803	Tc	2,082	July 22, 1964	--	.9	60	22	173	--	283	229	113	.9	< .4	--	736	241	--	7.6	61.04	4.8	.0
803	Tc	2,082	Feb. 25, 1965	--	.4	92	36	247	--	282	386	203	.5	< .4	--	1,103	379	2,090	7.4	58.72	5.5	.0
803	Tc	2,082	Nov. 22, 1965	--	.6	79	28	211	--	282	315	158	.6	< .4	--	1,070	313	1,771	7.5	59.51	5.1	.0
803	Tc	2,082	Aug. 1, 1966	--	.6	35	40	180	--	281	225	118	.7	< .4	--	880	252	--	7.5	60.85	4.9	.0
803	Tc	2,082	Nov. 21, 1968	--	.5	71	24	179	--	284	255	132	.6	< .4	--	950	276	--	7.6	58.53	4.6	.0
803	Tc	2,082	May 29, 1969	--	.1	47	21	155	--	266	179	102	.4	< .4	--	732	204	1,220	7.8	62.34	4.7	.2
803	Tc	2,082	July 31, 1969	--	.0	135	54	288	--	282	570	270	1.1	< .4	--	1,600	560	--	7.5	52.84	5.2	.0
803	Tc	2,082	Nov. 5, 1969	18	--	65	23	174	9.0	270	249	120	.6	< .4	--	791	256	1,210	7.4	58.52	4.7	.0
803	Tc	2,082	Dec. 1, 1969	--	.5	66	24	188	--	284	258	125	.7	< .4	--	940	264	--	7.5	60.82	5.0	.0
803	Tc	2,082	Sept. 1, 1971	--	.6	81	30	216	--	271	328	166	.7	< .4	--	1,090	327	--	7.8	59.07	5.2	.0
803	Tc	2,082	Sept. 3, 1971	--	.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
803	Tc	2,082	July 12, 1972	20	.6	64	22	177	10.0	284	246	121	.6	< .4	--	806	252	1,168	7.5	59.41	4.8	.0
803	Tc	2,082	Sept. 12, 1972	--	1.0	68	27	190	9.0	277	280	144	.6	< .4	--	1,000	280	--	7.9	58.58	4.9	.0
803	Tc	2,082	Oct. 3, 1973	--	.0	77	26	208	--	273	308	162	.7	< .4	--	1,050	299	1,769	7.9	60.20	5.2	.0
803	Tc	2,082	Aug. 26, 1974	--	.3	76	22	194	--	273	280	120	.8	< .4	--	970	261	1,628	8.0	60.10	5.0	.0
803	Tc	2,082	Sept. 19, 1974	--	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
803	Tc	2,082	Aug. 11, 1975	--	.5	67	21	181	--	277	260	129	.7	< .4	--	950	255	--	8.0	60.82	4.9	.0
803	Tc	2,082	Sept. 13, 1976	--	.4	72	22	187	--	273	283	135	.5	< .4	--	980	271	--	7.9	60.09	4.9	.0
803	Tc	2,082	Sept. 15, 1976	--	.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
803	Tc	2,082	June 7, 1977	25	--	66	18	166	--	285	217	106	.5	< .4	--	737	238	1,141	7.8	59.91	4.6	.0
24-206	Tc	2,069	June 8, 1977	21	--	59	8	37	--	262	30	12	.4	< .4	--	296	181	488	7.7	30.88	1.1	.6
78-01-109	Tqc	147	Aug. 26, 1970	20	--	75	29	167	6.0	455	124	136	1.0	< .4	--	782	309	1,240	7.3	53.63	4.1	1.3
109	Tqc	147	Aug. 25, 1977	22	--	81	32	196	--	462	139	182	1.1	< .4	--	880	333	1,450	7.8	56.09	4.6	.8
501	Tc	1,199	June 15, 1977	14	--	108	11	33	--	283	62	61	.3	.6	--	429	316	716	7.5	18.57	.8	.0
02-709	Tqc	555	Aug. 27, 1970	15	--	112	44	344	14.0	177	241	590	.5	< .4	--	1,447	463	2,390	7.4	61.00	6.9	.0

PRIO COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KB-78-02-709	Tqc	555	June 8, 1977	19	--	94	28	317	--	189	192	491	0.4	< 0.4	--	1,234	348	2,100	7.8	66.35	7.3	0.0
09-503	Tc	1,700	Aug. 13, 1964	16	1.0	74	13	28	6.8	282	44	22	.5	.0	0.1	344	238	573	7.2	19.79	.7	.0
503	Tc	1,700	June 12, 1969	13	--	73	13	56	7.0	283	61	52	.7	< .4	--	415	237	695	7.4	33.24	1.5	.0
503	Tc	1,700	Aug. 19, 1977	18	--	65	12	80	--	284	63	66	.5	< .4	--	444	214	734	7.9	45.13	2.3	.4
17-502	Ts	310	Sept. 4, 1970	12	--	43	13	351	4.0	231	429	205	.4	2.5	--	1,173	164	1,750	7.5	82.15	12.0	.5
502	Ts	310	June 15, 1977	13	--	36	12	359	--	207	456	208	.1	< .4	--	1,186	139	1,800	7.8	84.87	13.2	.6

GONZALES COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (microhmhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KR-67-27-903	Tc	600	Apr. 24, 1950	13	--	48	4	19	12.0	128	46	28	D.1	0.2	--	233	138	399	6.9	21.42	0.7	0.0
903	Tc	600	Dec. 23, 1969	12	--	50	5	16	10.0	132	48	26	.1	< .4	--	232	145	385	7.8	18.04	.5	.0
903	Tc	600	July 21, 1977	15	--	52	4	16	12.0	128	49	26	.1	< .4	--	237	147	390	7.4	17.72	.5	.0
28-204	Tc	262	Oct. 18, 1956	--	0.1	8	2	214	--	226	7	199	.4	< .4	--	586	23	--	7.2	94.29	17.5	3.1
204	Tc	262	Aug. 1, 1957	26	--	9	2	206	--	228	12	197	.2	.2	--	564	31	1,010	7.3	93.59	16.1	3.1
204	Tc	262	Oct. 31, 1967	--	.0	10	3	203	--	245	7	193	.4	< .4	--	660	38	--	8.1	92.21	14.4	3.2
204	Tc	262	Aug. 13, 1968	--	.0	9	3	199	--	242	5	195	.3	4.0	--	660	34	--	8.0	92.56	14.6	3.2
204	Tc	262	July 7, 1969	--	.0	10	10	189	--	243	8	192	.4	< .4	--	650	66	--	7.9	88.15	10.1	2.6
204	Tc	262	July 15, 1970	--	.0	10	4	193	--	240	5	192	.4	< .4	--	640	42	--	8.0	91.02	13.0	3.1
204	Tc	262	July 16, 1971	--	--	10	4	196	--	237	5	196	.4	< .4	--	650	63	--	8.0	91.14	13.2	3.0
204	Tc	262	July 18, 1972	--	.1	11	5	197	--	240	6	198	.3	< .4	--	660	47	--	8.0	89.92	12.3	2.9
204	Tc	262	July 18, 1973	--	.1	10	6	197	--	243	5	202	.4	< .4	--	660	49	--	8.0	89.62	12.1	2.9
204	Tc	262	Aug. 10, 1977	22	--	12	3	201	--	245	8	188	.3	< .4	--	555	41	986	8.6	91.18	13.4	3.1
303	Tqc	138	Dec. 14, 1938	--	--	99	27	59	--	220	127	122	--	--	--	542	356	--	--	26.38	1.3	.0
303	Tqc	138	Aug. 11, 1977	37	--	121	31	59	--	417	64	108	.2	< .4	--	625	428	1,016	7.8	23.01	1.2	.0
29-501	Tr	400	Sept. 19, 1962	24	--	20	11	166	--	152	114	150	.2	.0	--	559	95	977	6.9	79.14	7.4	.5
501	Tr	400	Aug. 14, 1970	23	--	31	11	159	4.0	170	120	151	.2	< .4	--	583	122	958	7.6	73.03	6.2	.3
501	Tr	400	Aug. 11, 1977	23	--	22	9	160	--	148	117	148	.1	< .4	--	552	95	944	7.7	79.10	7.2	.5
701	Tqc	540	Apr. 25, 1962	18	.8	3	2	247	--	446	12	120	.3	.0	--	622	12	1,060	8.0	97.15	27.1	6.9
701	Tqc	540	Aug. 11, 1977	18	--	3	1	255	--	465	4	113	.3	< .4	--	623	17	1,098	8.8	97.95	32.5	7.3
30-504	Tc	2,300	May 13, 1969	25	--	3	1	109	1.0	239	14	17	.1	< .4	0.2	288	8	458	8.7	94.85	13.9	3.6
504	Tc	2,300	Aug. 10, 1977	26	--	4	1	104	--	243	13	19	.2	< .4	--	287	11	445	8.5	94.13	12.0	3.7
601	Tj	292	Dec. 10, 1975	40	--	148	10	890	--	281	1,050	700	.4	< .4	--	2,976	411	4,120	8.0	82.50	19.1	.0
602	Ty	520	Dec. 9, 1975	16	--	22	3	840	12.0	431	910	458	.8	< .4	--	2,474	66	3,470	7.9	95.67	44.5	5.7
602	Ty	520	Dec. 9, 1975	14	--	23	3	860	--	426	940	469	.8	< .4	--	2,519	71	3,460	8.1	96.40	44.8	5.5
31-402	Tqc	700	Oct. 29, 1974	16	--	18	1	890	--	316	850	590	.9	3.5	--	2,524	50	3,500	7.7	97.53	55.2	4.1
402	Tqc	700	Dec. 9, 1975	16	--	17	11	870	--	331	830	600	.5	< .4	--	2,507	86	3,560	7.9	95.57	40.4	3.6
404	Tj	362	Dec. 10, 1975	39	--	130	14	378	--	276	530	321	.3	.8	--	1,548	382	2,220	7.6	68.28	8.4	.0
405	Ty	490	Dec. 9, 1975	19	--	20	3	800	--	294	850	492	.3	< .4	--	2,329	62	3,400	8.1	96.54	44.1	3.5
406	Tj	80	Dec. 9, 1975	66	--	295	20	272	--	321	370	550	.2	< .4	--	1,731	820	2,520	7.7	41.96	4.1	.0
407	Tj	100	Dec. 9, 1975	80	--	187	17	205	--	368	142	379	.3	5.7	--	1,196	540	1,870	7.3	45.38	3.8	.0
503	Tok	85	Dec. 10, 1975	54	--	108	2	16	--	284	17	31	.3	19.0	--	386	280	574	8.1	11.13	.4	.0
703	Tj	454	Dec. 10, 1975	30	--	111	2	16	--	278	60	19	.2	< .4	--	375	288	577	7.9	10.87	.4	.0

GONZALES COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (microhm/cm at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KR-67-34-803	Tqc	54	Jan. 15, 1963	43	--	58	7	52	--	220	39	44	0.4	0.5	--	352	172	553	6.9	39.46	1.7	0.1
803	Tqc	54	July 22, 1977	45	--	54	7	49	--	212	43	37	.4	.5	--	340	164	514	8.0	39.45	1.6	.2
35-504	Tqc	156	Aug. 13, 1970	18	--	126	50	177	9.0	397	605	117	.5	< .4	--	1,098	520	1,590	7.6	42.00	3.3	.0
504	Tqc	156	July 22, 1977	20	--	127	49	184	--	399	608	117	.2	< .4	--	1,101	520	1,600	7.8	43.56	3.5	.0
701	Tc	630	Dec. 22, 1969	11	--	22	4	14	11.0	66	24	24	.2	< .4	--	143	73	247	7.0	26.28	.7	.0
701	Tc	630	July 22, 1977	17	--	23	4	15	10.0	60	28	26	.1	< .4	--	153	72	249	7.9	27.35	.7	.0
36-501	Tc	1,650	Apr. 13, 1959	16	--	3	1	98	3.6	220	17	18	--	.0	0.1	262	9	436	7.4	92.80	12.2	3.3
501	Tc	1,650	Aug. 11, 1977	22	--	4	2	94	6.0	239	12	16	.3	< .4	--	272	20	430	8.4	89.76	9.5	3.5
503	Ts	400	Oct. 11, 1962	18	2.8	39	22	310	--	189	300	278	.3	.8	--	1,063	188	1,730	6.8	78.21	9.8	.0
503	Ts	400	Dec. 22, 1969	16	--	43	24	307	6.0	190	319	284	.4	3.5	--	1,096	204	1,740	8.4	75.76	9.3	.0
503	Ts	400	July 22, 1977	20	--	560	341	1,810	--	422	2,740	2,520	.4	1.7	--	8,200	2,800	9,600	7.5	58.44	14.8	.0
37-201	Tc	1,750	Dec. 20, 1944	--	--	--	--	--	--	1,440	2	310	--	1.2	--	1,820	--	3,220	7.9	--	--	--
201	Tc	1,750	July 24, 1974	20	--	4	1	770	--	1,460	4	341	6.3	1.2	--	1,865	14	2,830	7.9	99.16	89.2	23.6
201	Tc	1,750	June 26, 1975	20	--	4	1	770	--	1,460	4	335	7.7	< .4	--	1,859	12	2,850	8.1	99.16	89.2	23.6
201	Tc	1,750	July 5, 1976	22	--	4	3	760	--	1,450	4	334	7.4	< .4	--	1,847	22	2,840	8.2	98.66	69.9	23.3
201	Tc	1,750	Aug. 11, 1977	23	--	4	1	767	--	1,462	4	333	7.2	< .4	--	1,858	11	2,850	8.3	99.16	88.9	23.6
42-902	Tc	1,382	Apr. 28, 1962	17	.6	60	5	22	9.8	166	41	39	.1	.0	.0	276	171	466	6.8	20.74	.7	.0
902	Tc	1,382	Sept. 17, 1974	--	.7	57	5	24	--	159	37	35	.2	< .4	--	317	164	--	7.7	24.28	.8	.0
903	Tc	1,387	Aug. 5, 1941	11	.2	38	6	47	--	171	31	36	.5	.5	--	254	120	--	7.8	46.10	1.8	.4
903	Tc	1,387	Apr. 23, 1943	16	.7	42	7	39	--	171	30	34	.4	.7	--	253	134	--	8.0	38.84	1.4	.1
903	Tc	1,387	Dec. 22, 1944	16	.2	44	7	29	5.8	168	30	29	.0	.5	--	244	139	422	7.9	30.17	1.0	.0
903	Tc	1,387	Oct. 6, 1950	17	.4	48	16	21	--	171	39	36	.1	< .4	--	262	186	--	8.0	19.75	.6	.0
903	Tc	1,387	June 22, 1951	16	.3	32	4	66	--	183	37	36	.1	< .4	--	281	97	--	8.3	59.85	2.9	1.0
903	Tc	1,387	May 2, 1956	20	.2	40	9	28	--	171	29	43	.2	< .4	--	253	137	--	7.5	30.80	1.0	.0
903	Tc	1,387	May 15, 1959	14	--	46	6	26	8.8	157	30	31	.1	.2	--	239	139	422	7.0	27.28	.9	.0
903	Tc	1,387	Oct. 15, 1965	--	.0	58	8	30	--	161	60	39	.2	< .4	--	356	177	563	7.7	26.86	.9	.0
903	Tc	1,387	July 17, 1972	15	.6	24	5	199	5.0	314	119	100	.3	< .4	--	628	82	990	7.6	83.29	9.6	3.5
903	Tc	1,387	Aug. 1, 1973	12	--	6	3	370	1.0	438	224	167	.7	3.1	1.0	1,003	28	1,550	8.4	96.57	30.8	6.6
903	Tc	1,387	July 25, 1974	13	--	15	2	353	2.0	458	201	163	.6	< .4	1.0	976	44	1,550	7.8	94.09	22.7	6.5
903	Tc	1,387	June 26, 1975	14	--	7	1	354	--	438	188	163	.6	1.8	--	964	24	1,550	8.3	97.27	33.1	6.7
903	Tc	1,387	July 5, 1976	16	1.6	39	5	99	7.0	222	75	62	.2	1.4	--	415	119	672	8.0	62.93	3.9	1.2
904	Tc	1,396	Nov. 19, 1975	--	.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
904	Tc	1,396	July 21, 1977	16	--	51	7	37	9.0	163	50	40	.1	< .4	--	290	156	489	8.0	32.44	1.2	.0

GONZALES COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KR-67-42-906	Tc	1,645	Nov. 15, 1968	14	2.0	55	6	18	--	123	33	34	--	--	--	222	--	--	8.6	19.47	0.6	0.0
906	Tc	1,645	Apr. 5, 1970	13	.4	55	7	16	6.0	157	37	28	0.2	< 0.4	--	240	165	404	7.6	16.69	.5	.0
906	Tc	1,645	Sept. 17, 1974	--	.6	58	6	17	--	155	34	32	.2	< .4	--	302	169	--	8.2	17.91	.5	.0
906	Tc	1,645	Nov. 17, 1975	--	.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
906	Tc	1,645	Nov. 17, 1975	--	.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
908	Tqc	500	Feb. 18, 1976	16	--	40	15	129	--	212	134	98	.1	1.2	--	537	161	870	7.7	63.47	4.4	.2
43-502	Tqc	538	Aug. 14, 1970	13	--	8	4	870	3.0	388	911	456	.9	< .4	--	2,457	37	3,540	7.7	97.91	62.7	5.6
502	Tqc	538	July 21, 1977	12	--	12	5	1,090	7.0	488	910	790	.5	< .4	--	3,066	53	4,440	8.1	97.55	66.7	6.9
801	Ts	500	Apr. 3, 1959	11	--	5	3	1,260	--	834	588	1,040	--	.5	--	3,317	23	5,420	7.9	99.10	110.0	13.1
801	Ts	500	Aug. 12, 1977	17	--	6	3	1,224	--	855	593	1,003	1.3	< .4	--	3,268	26	5,950	8.4	98.98	101.9	13.4
903	Tc	2,530	Apr. 13, 1959	18	--	3	1	192	3.6	416	6	58	.4	.0	0.3	486	12	828	7.9	96.26	24.5	6.5
903	Tc	2,530	July 17, 1972	21	--	3	3	182	4.0	418	6	56	.6	< .4	.4	481	17	762	8.2	94.07	17.7	6.4
903	Tc	2,530	Mar. 15, 1973	--	.0	1	2	184	2.0	422	9	48	.8	< .4	--	670	11	--	8.4	96.79	24.4	6.7
903	Tc	2,530	Aug. 9, 1977	26	--	5	1	185	--	393	6	55	.5	< .4	--	472	17	780	8.9	96.04	19.7	6.1
904	Tc	2,383	Aug. 1, 1973	20	--	3	3	189	1.0	429	10	49	.7	< .4	--	487	20	774	7.9	95.11	18.4	6.6
904	Tc	2,383	July 24, 1974	20	--	1	1	195	--	438	8	49	.8	.6	--	490	6	789	8.0	98.46	33.0	7.0
904	Tc	2,383	May 30, 1975	--	.0	2	1	186	--	425	6	51	.7	< .4	--	680	9	--	8.3	97.80	26.8	6.7
904	Tc	2,383	June 26, 1975	20	--	3	1	194	--	439	7	48	.8	< .4	--	490	9	799	8.3	97.32	24.7	6.9
904	Tc	2,383	July 5, 1976	22	--	3	1	195	--	434	8	48	.7	< .4	--	491	9	778	8.4	97.33	24.9	6.8
44-201	Tc	2,190	Mar. 30, 1962	20	.1	1	0	113	1.3	257	14	18	.4	.0	.3	294	3	477	8.0	98.33	31.1	4.1
201	Tc	2,190	Apr. 3, 1970	17	--	1	1	106	1.0	250	17	13	.4	< .4	--	279	5	445	8.3	96.69	17.9	3.9
201	Tc	2,190	July 21, 1977	21	--	1	1	111	--	239	17	16	.3	1.2	--	286	5	445	8.5	97.33	18.7	3.7
701	Tc	2,967	May 22, 1969	28	--	6	2	453	5.0	970	5	155	1.3	< .4	--	1,130	16	1,770	8.0	97.56	46.1	15.5
701	Tc	2,967	July 24, 1974	24	--	5	2	442	--	959	4	151	1.6	1.0	--	1,102	19	1,700	8.1	97.89	42.2	15.3
701	Tc	2,967	June 26, 1975	24	--	4	1	449	--	960	4	151	1.6	< .4	--	1,107	12	1,750	7.9	98.57	52.0	15.4
701	Tc	2,967	July 5, 1976	25	--	7	2	449	--	960	3	151	1.4	< .4	--	1,110	25	1,720	8.2	97.43	38.5	15.2
701	Tc	2,967	July 21, 1977	25	--	4	1	441	--	950	4	148	1.4	< .4	--	1,091	16	1,730	8.2	98.55	51.1	15.2
46-201	Tct	--	Dec. 28, 1938	--	--	18	4	501	--	671	44	395	.0	--	--	1,291	63	--	--	94.66	27.8	9.7
201	Tct	--	Aug. 12, 1977	97	--	31	3	544	22.0	855	33	416	.5	< .4	--	1,567	92	2,400	8.1	90.94	24.9	12.2

GUADALUPE COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
KX-67-17-708	Qle	28	Nov. 20, 1957	--	--	--	--	--	--	280	--	47	--	--	--	184	279	716	7.4	--	--	--
708	Qle	28	Aug. 19, 1977	24	--	117	6	53	--	342	40	53	0.2	51.7	--	513	317	809	7.7	26.69	1.2	0.0
18-801	Twi	156	Apr. 13, 1962	36	1.1	87	14	60	4.0	333	48	64	.2	.0	0.4	478	274	772	6.9	31.78	1.5	.0
801	Twi	156	Aug. 18, 1977	39	--	85	13	56	--	334	40	56	.2	< .4	--	453	265	720	7.7	31.44	1.4	.1
25-704	Twi	75	Oct. 9, 1936	--	--	--	--	--	--	201	38	72	--	--	--	337	--	--	--	--	--	--
704	Twi	75	Jan. 29, 1964	49	2.0	56	19	68	--	188	51	112	.4	.0	--	467	218	752	6.8	40.43	2.0	.0
704	Twi	75	Aug. 19, 1977	52	--	89	11	72	--	183	54	154	.4	1.2	--	523	267	860	7.3	36.94	1.9	.0
27-401	Tc	27	Aug. 20, 1964	25	.0	69	6	15	--	248	14	9	.2	--	--	260	198	424	6.5	14.21	.4	.1
401	Tc	27	July 25, 1974	22	--	57	6	8	--	189	12	12	.2	.6	--	210	167	350	7.3	9.44	.2	.0
401	Tc	27	July 8, 1975	20	--	41	6	8	--	132	11	20	.2	< .4	--	171	128	292	7.3	12.05	.3	.0
401	Tc	27	July 6, 1976	22	--	58	7	9	6.0	190	19	19	.2	< .4	--	234	175	377	7.3	9.75	.2	.0
401	Tc	27	July 20, 1977	20	--	90	10	9	--	206	93	18	.4	< .4	--	342	267	535	7.2	6.86	.2	.0
33-209	Twi	401	Feb. 19, 1964	35	2.3	108	23	74	--	286	114	121	.6	.0	--	639	364	984	7.4	30.65	1.6	.0
209	Twi	401	Aug. 31, 1977	35	--	137	19	71	7.0	284	166	133	.5	< .4	--	708	419	1,075	7.8	26.47	1.5	.0
803	Tc	140	Aug. 20, 1964	10	12.0	5	2	15	--	20	17	14	.0	.8	--	85	22	123	5.8	61.18	1.4	.0
803	Tc	140	Aug. 19, 1977	29	--	8	3	14	6.0	22	15	26	.1	< .4	--	112	33	169	6.5	43.24	1.0	.0
34-704	Tc	123	Aug. 20, 1964	34	14.0	55	19	140	--	0	34	410	.0	.2	--	706	215	1,520	3.3	58.57	4.1	.0
704	Tc	123	Dec. 23, 1969	29	--	32	13	103	13.0	0	73	221	.1	< .4	--	484	133	955	3.7	59.90	3.8	.0
704	Tc	123	July 25, 1974	29	--	23	9	74	--	.0	74	135	.2	< .4	--	344	94	621	4.2	63.03	3.3	.0
704	Tc	123	July 8, 1975	30	--	30	8	98	--	0	97	175	.2	< .4	--	438	108	800	3.8	66.42	4.1	.0
704	Tc	123	July 6, 1976	25	--	14	5	45	--	10	49	71	.1	< .4	--	214	58	373	6.1	63.81	2.6	.0
704	Tc	123	July 20, 1977	29	--	10	4	41	5.0	1	51	56	.1	< .4	--	196	41	323	5.2	65.10	2.7	.0
68-40-710	Twi	256	Feb. 4, 1964	31	13.0	111	20	51	--	416	69	40	.3	.0	--	656	360	844	7.5	23.59	1.1	.0
710	Twi	256	Aug. 30, 1977	31	--	98	16	60	--	400	66	37	.3	< .4	--	505	309	784	7.9	29.60	1.4	.3

KARNES COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
PZ-78-07-901	Tc	3,766	Nov. 4, 1969	22	--	5	2	230	3.0	493	48	47	0.6	< 0.4	--	600	21	947	8.0	95.32	21.9	7.6
901	Tc	3,766	July 26, 1973	28	--	4	3	242	2.0	510	45	49	.7	< .4	0.5	625	20	948	8.0	95.48	22.2	7.9
901	Tc	3,766	July 30, 1974	27	--	4	2	235	--	520	43	51	.6	.6	--	618	18	972	8.0	96.56	23.9	8.1
901	Tc	3,766	June 25, 1975	6	--	2	1	292	--	464	77	67	.6	> .4	--	674	5	1,190	9.2	98.58	42.1	7.4
901	Tc	3,766	July 7, 1976	26	--	8	1	233	--	540	19	47	.5	> .4	--	600	22	943	8.1	95.46	20.6	8.3
901	Tc	3,766	Aug. 9, 1977	30	--	5	1	235	--	539	30	47	.6	> .4	--	614	18	953	8.0	96.85	25.1	8.5
08-301	Tc	3,564	Apr. 26, 1962	--	0.3	4	1	276	--	594	16	78	.6	> .4	--	668	13	1,250	8.3	97.70	31.9	9.4
301	Tc	3,564	July 26, 1966	--	.0	2	2	289	--	630	16	81	.8	> .4	--	1,020	15	--	8.3	97.94	34.5	10.0
301	Tc	3,564	Sept. 13, 1967	--	.1	5	--	294	--	610	24	81	.8	> .4	--	1,020	13	--	8.2	--	--	--
301	Tc	3,564	Sept. 1, 1968	--	.0	5	1	285	--	600	11	81	.9	> .4	--	1,000	13	--	8.6	97.39	30.4	9.5
301	Tc	3,564	Aug. 6, 1969	--	.0	4	1	--	--	600	23	75	.9	> .4	--	398	13	--	8.4	--	--	9.5
301	Tc	3,564	July 14, 1972	31	.2	3	3	271	4.0	620	12	76	.8	> .4	.5	706	21	1,110	8.2	95.94	26.4	9.7
301	Tc	3,564	Aug. 9, 1972	--	.1	4	1	284	--	600	35	78	.9	> .4	--	1,000	15	--	8.0	97.76	32.9	9.5
301	Tc	3,564	July 26, 1973	29	--	3	3	288	2.0	610	18	84	.9	8.0	--	735	21	1,100	8.2	96.55	28.1	9.6
301	Fc	3,564	Sept. 25, 1973	--	.1	4	1	285	--	610	4	78	1.0	10.0	--	1,000	15	--	8.4	97.77	33.0	9.7
301	Tc	3,564	July 30, 1974	27	--	4	1	283	--	600	15	85	.9	9.0	--	719	13	1,147	8.4	97.76	32.8	9.5
301	Tc	3,564	Oct. 16, 1974	--	.1	5	1	289	--	620	19	83	.9	8.0	--	1,030	16	--	8.3	97.42	30.8	9.8
301	Tc	3,564	June 23, 1975	--	.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
301	Tc	3,564	June 23, 1975	--	.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
301	Fc	3,564	June 25, 1975	30	--	4	1	283	--	600	33	79	.9	> .4	--	726	11	1,110	8.1	97.76	32.8	9.5
301	Tc	3,564	Mar. 16, 1976	--	.0	4	1	276	--	610	6	87	.8	> .4	--	990	9	--	8.2	97.70	31.9	9.7
301	Tc	3,564	July 7, 1976	31	--	8	2	276	--	600	32	78	.8	> .4	--	723	26	1,143	8.3	95.51	22.6	9.2
301	Tc	3,564	Aug. 9, 1977	33	--	3	1	284	--	598	35	75	.8	> .4	--	726	11	1,123	8.3	98.15	36.2	9.5
701	Tc	3,807	July 26, 1973	29	--	7	3	299	2.0	660	30	83	.9	> .4	--	778	32	1,200	8.3	95.26	23.8	10.2
701	Tc	3,807	July 30, 1974	30	--	5	1	301	--	650	17	87	1.0	3.7	--	765	18	1,220	8.5	97.52	32.1	10.3
701	Tc	3,807	June 25, 1975	30	--	4	1	305	--	660	14	86	1.0	> .4	--	765	11	1,240	8.4	97.92	35.3	10.5
701	Tc	3,807	July 7, 1976	29	--	4	1	312	--	670	23	83	.9	> .4	--	782	14	1,210	8.3	97.96	36.1	10.6
701	Tc	3,807	Aug. 9, 1977	33	--	5	1	286	--	608	31	70	.9	> .4	--	726	12	1,150	8.5	97.40	30.5	9.6

LA SALLE COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (microhmhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
RX-77-22-802	Tc	2,049	Aug. 15, 1969	20	--	25	9	105	5.0	295	53	27	0.6	< 0.4	0.2	390	100	625	7.7	68.34	4.5	2.8
802	Tc	2,049	July 3, 1973	16	1.1	16	7	131	2.0	299	55	35	.6	< .4	--	411	68	670	7.7	79.99	6.8	3.5
802	Tc	2,049	July 19, 1974	19	--	27	8	108	--	296	52	30	.5	.6	--	390	98	626	7.9	70.08	4.6	2.8
802	Tc	2,049	July 23, 1975	20	--	29	7	108	--	299	52	29	.5	< .4	--	392	101	600	7.8	69.90	4.6	2.8
802	Tc	2,049	Aug. 4, 1976	20	--	30	7	103	5.0	294	47	27	.4	< .4	.3	384	103	627	8.5	67.06	4.4	2.7
802	Tc	2,049	Aug. 4, 1977	22	--	26	8	107	--	289	56	28	.7	< .4	--	390	99	616	7.8	70.41	4.7	2.7
30-502	Tc	2,030	Aug. 15, 1969	21	--	16	9	138	4.0	301	66	43	.6	< .4	--	446	77	714	7.9	78.53	6.8	3.3
502	Tc	2,030	Aug. 4, 1977	25	--	38	6	143	--	301	74	42	.5	< .4	--	456	68	718	8.2	81.71	7.4	3.5
31-302	T1a	500	Aug. 5, 1977	19	--	61	30	292	--	423	284	198	.3	< .4	--	1,092	276	1,490	7.9	69.74	7.6	1.4
32-601	T1a	250	Apr. 20, 1959	18	--	54	28	292	--	413	311	157	.1	.5	--	1,063	250	1,680	7.4	71.76	8.0	1.7
601	T1a	250	Sept. 10, 1970	17	--	58	29	293	6.0	418	324	163	.6	< .4	--	1,096	265	1,690	7.8	70.11	7.8	1.5
601	T1a	250	Aug. 4, 1977	22	--	58	26	285	--	423	317	155	.1	< .4	--	1,071	251	1,630	8.1	71.12	7.8	1.9
38-102	Tc	2,108	Aug. 14, 1969	19	--	12	8	157	3.0	298	66	59	.6	< .4	--	471	64	768	7.8	83.66	8.6	3.6
102	Tc	2,108	July 5, 1973	17	--	16	5	164	2.0	311	72	59	.6	< .4	.4	489	61	765	7.8	84.98	9.1	3.8
102	Tc	2,108	July 19, 1974	19	--	14	5	160	3.0	300	70	58	.6	< .4	.3	477	55	755	8.1	85.43	9.3	3.8
102	Tc	2,108	July 22, 1975	13	--	14	4	150	--	298	64	57	.6	< .4	--	449	54	745	8.0	86.39	9.1	3.8
102	Tc	2,108	Aug. 3, 1976	13	--	14	4	156	5.0	309	63	57	.4	< .4	.3	465	49	747	8.3	85.45	9.4	4.0
102	Tc	2,108	Aug. 3, 1977	20	--	12	14	161	--	295	74	57	.5	< .4	--	483	47	746	8.1	80.00	7.4	3.0
903	T1a	265	May 28, 1963	17	.2	22	15	297	--	308	214	202	.4	.0	--	919	116	1,520	7.1	86.71	11.9	2.7
903	T1a	265	July 15, 1977	18	--	48	33	270	--	342	309	181	.4	1.2	--	1,028	256	1,610	8.0	69.68	7.3	.4
39-401	Tc	2,300	May 14, 1938	17	.1	7	5	217	--	342	79	103	.5	.3	--	597	37	--	7.8	92.54	15.3	4.8
401	Tc	2,300	Sept. 16, 1940	17	.1	4	0	206	--	329	82	71	.6	< .6	--	542	12	--	8.6	97.82	28.3	5.1
401	Tc	2,300	Feb. 16, 1942	17	.0	4	2	213	--	336	78	82	.4	< .4	--	562	18	--	8.3	96.21	21.7	5.1
401	Tc	2,300	Sept. 15, 1942	26	.0	2	1	214	--	323	79	81	.1	.0	--	562	10	--	8.4	98.08	30.8	5.1
401	Tc	2,300	May 11, 1945	--	--	--	--	--	--	--	--	79	--	--	--	--	--	--	--	--	--	--
401	Tc	2,300	June 10, 1975	--	--	44	19	292	--	254	332	197	.7	1.3	--	1,140	187	--	8.2	77.16	9.2	.4
402	Tc	2,483	Oct. 21, 1942	19	.0	2	2	230	--	380	84	78	.7	.0	--	602	12	--	8.3	97.42	27.5	5.9
402	Tc	2,483	May 11, 1945	--	--	--	--	--	--	--	--	79	--	--	--	--	--	--	--	--	--	--
402	Tc	2,483	Nov. 30, 1967	--	.1	2	2	285	--	510	93	88	.8	< .4	--	980	13	1,309	8.3	97.91	34.1	8.0
402	Tc	2,483	Nov. 4, 1974	--	.1	6	1	474	--	590	182	263	1.0	1.3	--	1,520	19	2,370	8.3	98.18	47.2	9.2
403	Tc	2,345	July 10, 1956	20	--	2	1	251	2.0	331	100	121	.6	.0	.5	660	7	1,080	8.4	97.90	36.2	5.2
403	Tc	2,345	July 21, 1975	--	.1	3	1	400	--	750	109	99	1.3	< .4	--	1,370	11	--	8.5	98.68	51.1	12.0

LA SALLE COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
RX-77-39-403	Tc	2,345	Oct. 10, 1956	17	--	3	2	361	2.0	670	108	93	0.9	< 0.4	--	916	16	1,430	8.4	97.72	39.6	10.6
404	Tc	2,347	Aug. 4, 1977	19	--	4	5	347	--	475	142	165	.7	< .4	--	916	32	1,430	8.2	96.11	27.3	7.1
406	Tc	2,447	Feb. 12, 1975	--	0.4	4	1	367	--	598	110	106	1.0	3.1	--	1,100	12	--	--	98.26	42.5	9.5
40-305	Tc	2,740	Sept. 15, 1942	33	.0	3	1	228	--	332	91	88	.5	.0	--	607	13	--	8.5	97.71	29.1	5.2
305	Tc	2,740	July 10, 1956	23	--	3	1	336	2.9	604	98	92	1.4	.0	0.5	854	9	1,350	8.3	97.94	42.9	9.6
305	Tc	2,740	Oct. 22, 1969	20	--	3	1	393	2.0	770	106	98	1.2	< .4	--	1,003	14	1,560	8.3	98.37	50.2	12.3
305	Tc	2,740	Aug. 5, 1977	22	--	4	1	389	--	730	106	99	1.2	< .4	--	981	12	1,449	8.3	98.36	45.0	11.6
47-901	Tc	3,080	July 5, 1973	21	--	6	3	316	1.0	530	113	119	1.1	< .4	--	841	26	1,300	8.1	96.00	26.3	8.1
901	Tc	3,080	July 19, 1974	21	--	2	1	317	--	510	115	119	1.0	1.2	--	827	11	1,300	8.2	98.69	45.7	8.1
901	Tc	3,080	July 21, 1975	20	--	5	1	316	--	520	113	119	.8	< .4	--	830	14	1,300	8.0	97.64	33.7	8.1
901	Tc	3,080	Aug. 3, 1976	21	--	9	1	317	--	530	109	117	.8	< .4	--	835	22	1,310	8.2	96.29	26.7	8.1
901	Tc	3,080	Aug. 4, 1977	24	--	4	1	319	--	500	116	118	.9	< .4	--	829	13	1,300	8.5	98.00	36.9	7.9
48-301	Tc	3,483	July 18, 1974	23	--	3	1	216	--	356	80	82	.7	< 1.3	--	582	8	913	8.3	97.59	27.5	5.6
301	Tc	3,483	July 22, 1975	22	--	6	1	218	--	376	76	79	.6	< .4	--	587	15	935	8.0	96.13	21.7	5.7
301	Tc	3,483	Aug. 3, 1976	23	--	7	1	228	--	398	80	73	.6	< .4	--	608	17	963	8.1	95.83	21.3	6.0
301	Tc	3,483	Aug. 4, 1977	29	--	2	1	220	--	349	81	77	.6	< .4	--	582	8	915	8.5	98.13	31.7	5.5
56-202	Tla	1,150	Oct. 18, 1942	20	.3	3	1	645	--	823	277	318	.9	.0	--	1,669	12	--	8.8	99.18	82.4	13.2
202	Tla	1,150	Sept. 11, 1970	15	--	7	3	910	1.0	720	490	660	1.1	1.0	--	2,442	29	3,740	8.4	98.45	72.5	11.2
202	Tla	1,150	Aug. 4, 1977	19	--	6	1	990	--	680	600	690	1.1	< .4	--	2,641	20	3,830	8.6	99.12	98.5	10.7
62-405	Tla	750	July 2, 1973	16	--	33	19	294	2.0	257	328	192	.7	.4	--	1,011	161	1,550	7.5	79.68	10.0	1.0
405	Tla	750	July 18, 1974	15	--	47	19	304	--	249	364	208	.9	1.2	--	1,081	195	1,650	7.8	77.18	9.4	.1
405	Tla	750	July 21, 1975	16	--	44	18	295	--	255	333	200	.6	< .4	--	1,032	184	1,600	7.8	77.23	9.4	.5
405	Tla	750	Aug. 3, 1976	17	--	46	17	299	--	256	331	199	.4	< .4	--	1,035	188	1,640	8.0	77.88	9.5	.5
405	Tla	750	July 15, 1977	17	--	37	21	316	--	247	351	212	.4	< .4	--	1,076	178	1,650	8.2	79.36	10.2	.4
63-201	Tc	3,200	Oct. 1, 1942	--	--	--	--	--	--	742	103	176	--	--	--	--	--	--	--	--	--	--
201	Tc	3,200	Oct. 19, 1942	26	.1	2	1	443	--	741	104	179	.9	.0	--	1,120	9	--	8.4	99.06	63.8	11.9
201	Tc	3,200	July 11, 1972	25	--	2	3	433	3.0	760	106	178	1.5	1.5	--	1,126	19	1,710	8.1	97.80	45.2	12.1
201	Tc	3,200	Aug. 4, 1977	28	--	4	1	458	--	780	112	193	1.4	< .4	--	1,181	12	1,760	8.3	98.60	53.0	12.5
64-401	Tc	4,280	July 11, 1956	31	--	3	0	486	4.1	909	56	175	--	.0	.9	1,202	8	1,920	8.3	98.81	77.2	14.7
401	Tc	4,280	May 5, 1959	15	--	1	0	473	3.9	924	35	171	--	.0	.5	1,153	3	1,930	8.8	99.27	130.3	15.0
401	Tc	4,280	July 10, 1972	28	--	4	4	520	4.0	1,060	84	160	1.4	< .4	.8	1,327	26	1,960	8.0	97.28	44.0	16.8
401	Tc	4,280	July 18, 1974	26	--	4	1	493	--	940	61	172	1.8	1.0	--	1,221	12	1,870	8.4	98.70	57.1	15.1
401	Tc	4,280	July 21, 1975	24	--	3	1	490	--	930	60	173	1.5	< .4	--	1,210	11	1,850	8.2	98.92	62.5	15.0

LA SALLE COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
RX-77-64-401	Tc	4,280	Aug. 3, 1976	25	--	11	1	500	--	1,020	84	158	1.3	2.4	--	1,284	28	1,990	8.2	97.18	38.7	16.0
401	Tc	4,280	July 15, 1977	28	--	4	1	560	--	1,100	96	155	1.4	< .4	--	1,386	13	2,110	8.3	98.85	64.9	17.7
78-25-803	Tc	2,763	Oct. 1, 1942	25	0.0	2	1	207	--	308	87	68	.1	.0	--	541	11	--	8.4	98.01	29.8	4.8
803	Tc	2,763	Mar. 25, 1970	11	--	18	7	1,310	2.0	770	1,070	870	2.5	2.0	--	3,671	71	5,100	8.0	97.39	66.3	11.1
803	Tc	2,763	July 5, 1973	19	1.1	4	2	201	2.0	326	82	68	.6	< .4	0.3	540	16	850	8.0	95.46	20.4	4.9
803	Tc	2,763	July 31, 1974	19	--	2	1	197	--	326	84	68	.7	.6	--	532	10	866	8.0	97.92	28.4	5.1
803	Tc	2,763	July 22, 1975	19	--	3	1	200	--	328	87	68	.5	< .4	--	540	9	855	8.0	97.40	25.5	5.1
803	Tc	2,763	Aug. 3, 1976	20	--	8	1	204	--	349	93	66	.5	< .4	--	564	23	888	8.3	94.85	18.0	5.2
803	Tc	2,763	Aug. 5, 1977	23	--	3	1	209	--	328	90	65	.5	< .4	--	553	8	855	8.2	97.51	26.7	5.1
26-802	Tc	3,400	July 12, 1956	23	--	2	1	216	2.2	345	88	65	--	.0	.3	567	7	941	8.4	97.52	31.1	5.4
802	Tc	3,400	Mar. 24, 1959	24	--	2	1	225	--	335	93	75	.8	.0	.3	585	9	965	8.6	98.17	32.4	5.3
802	Tc	3,400	Aug. 5, 1977	25	--	4	1	238	--	378	98	74	.6	< .4	--	626	10	964	8.4	97.35	27.5	5.9
41-325	Tc	5,518	Aug. 5, 1977	30	--	4	1	259	--	415	104	86	.7	< .4	--	689	10	1,055	8.2	97.55	30.0	6.5

McMULLEN COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
SU-78-27-502	Tqc	1,985	Apr. 14, 1959	18	--	5	1	1,870	--	1,440	297	1,840	--	2.5	--	4,741	18	7,740	8.1	99.59	199.7	23.2
502	Tqc	1,985	May 22, 1963	18	0.2	3	3	1,870	--	1,520	278	1,800	--	1.5	--	4,721	19	7,490	8.0	99.51	182.7	24.5
502	Tqc	1,985	Aug. 30, 1977	13	--	4	1	1,865	--	1,479	294	1,747	3.1	< .4	--	4,654	15	6,800	8.3	99.65	216.1	23.9
503	Tc	3,540	Apr. 23, 1963	10	--	2	1	233	--	368	95	79	1.1	.0	--	602	8	988	8.2	98.23	33.6	5.8
503	Tc	3,540	Oct. 20, 1969	22	--	3	1	216	2.0	342	96	77	.3	< .4	--	585	11	928	8.3	97.07	27.5	5.3
503	Tc	3,540	June 22, 1977	24	--	3	1	230	--	356	96	78	.5	< .4	--	607	13	950	8.0	97.73	29.3	5.6
28-101	Tc	3,998	Apr. 23, 1963	23	--	2	0	214	--	346	90	64	.7	.0	--	563	5	907	8.2	98.93	41.6	5.5
101	Tc	3,998	July 19, 1974	23	--	2	1	210	--	342	91	62	.6	.6	--	558	7	873	8.1	98.04	30.2	5.4
101	Tc	3,998	July 16, 1975	22	--	2	1	207	--	342	92	64	.6	< .4	--	557	8	880	8.1	98.01	29.8	5.4
101	Tc	3,998	Aug. 3, 1976	23	--	3	1	207	--	328	91	62	.5	< .4	--	549	8	878	8.7	97.48	26.4	5.1
101	Tc	3,998	June 22, 1977	25	--	2	1	209	--	329	89	62	.5	< .4	--	550	10	878	8.6	98.03	30.1	5.2
601	Tqc	2,765	Mar. 17, 1959	22	--	2	0	813	--	1,480	128	298	3.1	.1	--	1,993	6	3,130	8.6	99.71	158.3	24.1
601	Tqc	2,765	Sept. 8, 1970	20	--	3	3	850	1.0	1,460	131	396	3.4	< .4	--	2,125	21	3,200	8.2	98.87	83.0	23.5
601	Tqc	2,765	June 22, 1977	23	--	2	1	840	--	1,460	123	320	3.3	< .4	--	2,030	7	3,020	8.2	99.50	121.1	23.7
602	Tc	4,560	Jan. 15, 1950	27	.6	4	1	232	4.8	375	103	83	.6	.0	0.5	640	14	1,040	8.5	96.14	26.8	5.8
602	Tc	4,560	Aug. 15, 1969	27	--	4	2	231	2.0	372	94	81	.7	< .4	.4	625	5	988	8.2	96.03	23.5	5.7
602	Tc	4,560	July 22, 1977	27	--	7	1	236	--	375	96	81	.6	< .4	--	633	20	995	8.4	95.96	22.1	5.7
35-602	Tqc	3,500	Apr. 24, 1963	21	--	2	1	981	--	1,820	168	335	--	1.5	--	2,404	7	3,830	8.0	99.57	141.6	29.6
602	Tqc	3,500	Sept. 8, 1977	21	--	16	1	962	--	1,718	166	341	3.5	< .4	--	2,355	40	3,430	8.5	97.93	63.0	27.2
36-201	Tc	4,250	Dec. 8, 1949	29	.2	2	1	290	5.6	583	66	72	.6	.0	.4	753	6	1,200	8.1	97.48	41.8	9.3
201	Tc	4,250	July 12, 1956	32	--	2	0	296	3.0	604	49	71	1.0	.0	.4	751	5	1,190	8.3	98.64	57.6	9.7
201	Tc	4,250	Mar. 25, 1959	--	--	2	0	296	3.0	603	--	76	--	--	--	6	1,220	--	98.64	57.6	9.7	
201	Tc	4,250	Aug. 15, 1969	31	.0	4	2	306	3.0	580	49	75	.8	< .4	--	756	19	1,200	8.8	96.79	31.2	9.1
201	Tc	4,250	Jan. 17, 1972	--	.0	4	1	305	--	580	55	82	.8	< .4	--	1,050	13	--	8.7	97.92	35.3	9.2
201	Tc	4,250	July 10, 1972	30	--	2	2	288	2.0	590	61	73	.7	< .4	.5	749	14	1,139	8.2	97.54	34.4	9.4
201	Tc	4,250	Nov. 29, 1972	--	.0	4	2	307	--	590	50	81	.9	< .4	--	1,050	18	--	8.7	97.34	31.3	9.3
201	Tc	4,250	July 6, 1973	29	--	3	2	296	2.0	590	51	79	.9	8.0	--	761	17	1,140	8.5	97.24	32.4	9.3
201	Tc	4,250	July 18, 1974	29	.6	2	1	288	3.0	590	63	72	.9	< .4	.5	750	8	1,178	8.4	97.97	41.5	9.4
201	Tc	4,250	July 16, 1975	27	--	3	1	293	--	570	63	74	.8	< .4	--	742	9	1,176	8.6	98.21	37.4	9.1
201	Tc	4,250	Aug. 3, 1976	30	--	3	1	291	--	600	62	71	.7	< .4	--	754	9	1,166	8.4	98.20	37.1	9.6
201	Tc	4,250	June 23, 1977	38	--	2	1	299	--	586	62	70	.8	< .4	--	761	8	1,170	8.4	98.62	43.1	9.4
902	Tc	4,715	Mar. 16, 1959	37	--	2	0	379	--	776	68	87	--	.0	--	954	6	1,520	8.3	99.39	73.8	12.6

MCMULLEN COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
SU-78-36-902	Tc	4,715	Aug. 15, 1969	29	--	2	1	365	3.0	740	70	86	1.0	< 0.4	--	921	8	1,440	8.5	98.39	52.6	11.9
902	Tc	4,715	July 10, 1972	32	--	3	2	358	3.0	740	66	83	1.0	< .4	--	912	15	1,360	8.5	97.55	39.2	11.8
902	Tc	4,715	July 6, 1973	32	0.2	2	1	379	2.0	740	70	86	1.1	< .4	0.6	939	12	1,400	8.5	98.60	54.6	11.9
902	Tc	4,715	July 18, 1974	31	--	2	1	365	--	740	61	86	1.3	< .4	--	911	9	1,420	8.6	98.86	52.6	11.9
902	Tc	4,715	July 16, 1975	29	--	3	1	378	--	750	63	86	.9	< .4	--	930	8	1,450	8.4	98.60	48.2	12.0
902	Tc	4,715	Aug. 3, 1976	34	--	3	1	359	--	730	64	83	1.0	< .4	--	904	8	1,450	8.7	98.53	45.8	11.7
902	Tc	4,715	June 23, 1977	38	--	3	1	378	--	750	63	93	1.0	< .4	--	946	11	1,440	8.4	98.60	48.2	12.0
37-103	Tc	5,200	July 16, 1956	36	--	2	0	441	4.0	929	35	112	1.8	.2	--	1,088	6	1,730	8.2	98.95	85.9	15.1
103	Tc	5,200	Mar. 25, 1959	38	--	4	1	713	--	1,460	17	240	3.2	.0	--	1,734	10	2,790	8.2	99.09	82.6	23.6
103	Tc	5,200	June 25, 1977	38	--	2	1	590	--	1,210	7	174	2.5	< .6	--	1,409	8	2,180	8.6	99.29	85.0	19.6
302	Tj	58	Sept. 8, 1977	28	--	93	13	990	37.0	355	662	1,091	.3	< .4	--	3,089	286	4,550	7.3	86.61	25.4	.1
38-101	Tc	5,400	Apr. 3, 1959	45	--	4	2	1,310	--	2,760	0	420	--	.8	--	3,138	18	4,990	8.7	99.36	133.5	44.8
101	Tc	5,400	May 8, 1963	--	.1	3	--	361	--	850	2	77	1.2	< .4	--	1,290	9	1,608	7.9	--	--	--
101	Tc	5,400	Oct. 25, 1963	37	.2	2	1	366	4.6	868	0	76	1.0	.0	.9	915	8	1,480	7.5	98.15	52.7	14.0
101	Tc	5,400	Oct. 28, 1964	--	.2	3	--	373	--	860	5	80	1.2	2.0	--	1,330	9	1,632	8.4	--	--	--
101	Tc	5,400	Jan. 7, 1966	--	.6	4	--	377	--	860	4	74	1.1	< .4	--	1,320	10	1,576	7.9	--	--	--
101	Tc	5,400	Jan. 7, 1966	--	.4	3	1	383	--	850	4	81	1.2	2.5	--	1,330	13	1,608	8.4	98.62	48.9	13.6
101	Tc	5,400	July 10, 1972	38	.5	3	2	361	4.0	870	4	76	1.1	< .4	.6	918	16	1,340	8.1	97.41	39.6	13.9
101	Tc	5,400	July 6, 1973	36	--	4	3	372	4.0	870	4	77	1.3	< .4	--	929	22	1,410	7.9	96.72	34.2	13.8
101	Tc	5,400	July 18, 1974	34	.2	2	1	379	4.0	870	4	76	1.5	.8	.7	930	9	1,400	8.3	98.30	54.6	14.0
101	Tc	5,400	Mar. 4, 1975	--	.1	2	2	376	--	850	4	78	1.3	4.3	--	1,330	15	--	8.6	98.41	46.9	13.6
101	Tc	5,400	Mar. 17, 1975	--	.1	3	1	376	--	840	4	80	1.2	3.3	--	1,320	8	--	8.5	98.60	48.0	13.5
101	Tc	5,400	July 16, 1975	35	--	7	1	365	--	880	4	79	1.3	< .6	--	925	18	1,450	8.1	97.35	34.1	13.9
101	Tc	5,400	Aug. 3, 1976	38	--	7	1	365	--	870	4	75	1.1	< .6	--	919	17	1,420	8.0	97.35	34.1	13.8
101	Tc	5,400	June 23, 1977	40	--	3	1	373	--	870	4	74	1.2	< .6	--	924	11	1,420	7.9	98.59	47.6	14.0
44-402	Tj	108	July 15, 1959	36	--	177	8	279	--	338	454	234	--	.0	--	1,354	473	2,010	7.0	56.11	5.5	.0
402	Tj	108	Sept. 1, 1977	36	--	267	12	305	--	305	622	368	.5	< .4	--	1,760	718	2,440	7.8	68.10	4.9	.0
51-201	Tc	5,050	Mar. 26, 1959	40	--	3	0	826	7.5	1,790	1	228	--	.8	--	1,986	8	3,130	8.5	99.05	131.3	29.1
201	Tc	5,050	Aug. 31, 1977	40	--	16	1	828	--	1,760	4	227	3.5	< .4	--	1,985	46	2,960	8.6	97.61	54.2	27.9
52-801	Tct	287	Apr. 24, 1963	84	--	24	3	652	--	460	312	532	.9	46.0	--	1,880	74	2,930	7.9	95.15	33.3	6.0
801	Tct	287	Sept. 2, 1977	87	--	27	3	637	28.0	412	325	541	.6	55.7	--	1,906	80	2,850	8.7	92.30	31.0	5.1
53-601	Tok	100	May 21, 1963	81	2.9	97	13	784	--	324	402	930	--	4.0	--	2,499	296	4,040	7.6	85.23	19.8	.0

MCDLLEN COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
SU-78-53-601	Tot	100	Sept. 1, 1977	69	--	234	29	200	--	254	55	592	0.4	18.5	--	1,322	705	2,290	7.6	38.22	3.2	0.0
54-403	Tot	240	June 21, 1959	50	--	362	54	246	--	191	94	990	--	12.0	--	1,901	1,120	3,370	6.6	32.22	3.1	.0
403	Tot	240	Sept. 1, 1977	45	--	367	55	208	--	196	91	920	.5	10.8	--	1,793	1,146	3,100	7.6	28.37	2.6	.0

NAVERICK COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
WB-76-07-911	Tc	100	Mar. 7, 1969	27	--	80	7	57	4.0	251	22	85	0.4	2.0	0.3	408	230	690	7.3	34.68	1.6	0.0
911	Tc	100	July 27, 1972	27	0.0	87	9	44	4.0	249	31	124	.4	2.5	.4	451	257	792	7.3	26.96	1.2	.0
911	Tc	100	July 24, 1973	24	--	88	9	75	2.0	243	36	124	.5	7.0	.3	485	256	815	7.4	38.63	2.0	.0
911	Tc	100	July 9, 1975	24	--	79	5	70	--	246	26	100	.4	1.8	--	427	220	732	7.6	41.15	2.0	.0
911	Tc	100	July 22, 1976	24	--	72	7	64	--	248	24	84	.3	< .4	--	397	208	670	7.5	40.04	1.9	.0
911	Tc	100	July 7, 1977	27	--	110	9	108	.6	254	66	200	.4	11.4	--	657	312	1,121	7.6	42.93	2.6	.0
15-302	Tc	--	Apr. 9, 1970	22	--	97	18	118	4.0	288	136	147	.6	< .4	--	684	316	1,080	7.7	44.41	2.8	.0
302	Tc	--	Aug. 2, 1977	19	--	66	14	160	--	299	173	110	.8	< .4	--	690	222	1,050	8.0	61.02	4.6	.4
16-701	Tc	--	Aug. 2, 1977	18	--	91	23	308	--	439	386	176	1.0	< .4	--	1,219	323	1,780	8.0	67.56	7.4	.7

MEDINA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
TD-68-49-902	Tc	182	May 3, 1971	--	0.0	70	17	107	--	343	82	88	0.6	< 0.4	--	710	248	--	7.4	48.76	2.9	0.7
903	Tc	287	Feb. 19, 1946	13	.0	63	15	98	10.0	346	77	56	.6	.0	--	502	218	--	7.7	47.91	2.8	1.2
903	Tc	287	Sept. 4, 1969	19	7.4	82	14	90	8.0	226	83	140	.6	< .4	--	555	262	911	7.3	41.81	2.4	.0
903	Tc	287	July 13, 1972	17	.2	81	14	99	8.0	326	80	100	.6	< .4	0.5	560	259	891	7.4	44.37	2.6	.1
903	Tc	287	Aug. 8, 1972	--	--	76	17	107	--	323	80	96	.7	< .4	--	700	259	--	7.3	47.27	2.8	.1
903	Tc	287	Mar. 8, 1973	--	.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
904	Tc	613	Aug. 8, 1972	--	--	53	17	162	--	642	77	75	.8	1.5	--	830	204	--	7.6	63.05	4.9	3.2
904	Tc	613	Mar. 8, 1973	--	.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
905	Tc	150	Mar. 25, 1968	--	.0	58	11	80	--	87	60	165	.3	4.0	--	465	190	900	6.5	47.81	2.5	.0
905	Tc	150	Sept. 4, 1969	--	.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
905	Tc	150	May 3, 1971	--	.0	57	11	79	--	87	67	156	.2	4.0	--	466	188	--	6.6	47.82	2.5	.0
905	Tc	150	Aug. 8, 1972	--	--	54	13	79	--	87	61	151	.2	5.0	--	450	186	--	6.6	47.72	2.5	.0
905	Tc	150	Mar. 8, 1973	--	.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
906	Tc	--	Mar. 25, 1968	--	.0	115	16	126	--	177	67	294	.2	6.5	--	800	355	1,521	7.0	43.72	2.9	.0
906	Tc	--	Sept. 4, 1969	24	15.6	72	9	47	6.0	154	41	107	.1	< .4	--	397	218	656	7.3	31.30	1.3	.0
906	Tc	--	May 3, 1971	--	.0	100	16	132	--	181	84	269	.3	4.3	--	790	317	--	7.0	47.66	3.2	.0
906	Tc	--	Aug. 8, 1972	--	--	118	18	155	--	207	79	320	.3	9.0	--	910	369	--	8.1	47.78	3.5	.0
906	Tc	--	Mar. 8, 1973	--	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
907	Tc	141	Sept. 4, 1969	--	.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
907	Tc	141	May 3, 1971	--	1.5	113	16	114	--	211	77	251	.4	6.5	--	790	356	--	7.0	41.62	2.6	.0
907	Tc	141	Aug. 8, 1972	--	--	132	16	135	--	248	68	276	.4	12.0	--	890	399	--	7.3	42.63	2.9	.0
907	Tc	141	Mar. 8, 1973	--	.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
907	Tc	141	July 13, 1973	38	.5	125	18	127	4.0	239	74	280	.5	14.0	.4	798	387	2,350	7.2	41.39	2.8	.0
907	Tc	141	July 13, 1974	36	.1	129	14	134	12.0	224	84	285	.4	17.0	.4	822	381	1,330	7.3	42.47	2.9	.0
907	Tc	141	June 17, 1975	35	--	132	13	148	--	249	81	291	.5	17.0	--	841	384	1,450	7.3	45.67	3.2	.0
907	Tc	141	July 23, 1976	43	--	150	17	149	--	259	78	342	.3	5.3	--	911	443	1,560	7.1	42.18	3.0	.0
907	Tc	141	July 12, 1977	40	--	135	17	157	11.0	223	99	333	.3	19.6	--	921	407	1,540	7.2	44.79	3.3	.0
69-54-601	Twi	150	Dec. 8, 1969	15	--	83	73	730	12.0	620	256	950	.2	< .4	--	2,424	510	3,800	7.9	75.23	14.0	.0
601	Twi	150	July 13, 1977	14	--	85	66	760	--	620	241	1,000	.3	< .4	--	2,471	483	3,920	7.5	77.37	15.0	.4
56-101	Twi	75	Nov. 26, 1969	20	--	118	9	91	2.0	410	43	71	.2	46.0	--	601	331	964	7.3	37.21	2.1	.0
101	Twi	75	July 13, 1977	22	--	134	7	132	--	346	49	145	.2	145.4	--	804	366	1,260	7.5	33.15	3.0	.0
901	Twi	365	Sept. 4, 1969	17	--	149	21	42	12.0	299	137	121	.8	1.5	--	648	457	1,016	7.2	16.17	.8	.0

MEDINA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
Th-69-56-901	Twi	365	July 12, 1977	23	--	109	15	83	--	373	74	95	1.0	< 0.4	--	583	335	950	7.8	35.11	1.9	0.0
64-202	Tc	210	Dec. 2, 1969	16	--	106	11	40	2.0	397	32	24	.1	< .4	--	426	309	689	7.4	21.79	.9	.3
202	Tc	210	July 13, 1972	21	--	141	11	21	3.0	417	43	32	.2	11.0	--	488	399	761	7.2	10.22	.4	.0
202	Tc	210	July 20, 1973	19	--	135	14	23	2.0	403	42	37	.2	17.0	0.2	487	395	782	7.2	11.19	.5	.0
202	Tc	210	July 12, 1974	19	--	136	10	20	--	395	41	35	.2	14.0	--	469	382	748	7.4	10.26	.4	.0
202	Tc	210	June 18, 1975	20	--	141	9	20	--	401	35	36	.3	20.0	--	478	390	773	7.4	10.06	.4	.0
202	Tc	210	July 12, 1977	20	--	141	11	24	--	398	40	48	.2	20.0	--	499	397	815	7.4	11.62	.5	.0

WEBB COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (microhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
YZ-77-49-601	Tc	923	Feb. 11, 1965	23	--	51	11	235	--	283	322	78	0.7	< 0.4	--	860	173	1,300	7.6	74.76	7.7	1.1
601	Tc	923	Sept. 18, 1969	20	--	50	11	235	4.0	287	307	80	.8	< .4	--	849	168	1,240	7.7	74.48	7.8	1.3
601	Tc	923	July 13, 1977	22	--	49	9	229	--	289	311	80	.6	< .4	--	843	161	1,250	8.1	75.77	7.8	1.5
5D-601	Tc	1,570	Feb. 11, 1965	18	--	5	1	277	--	235	198	149	.6	< .4	--	764	15	1,250	8.1	97.32	29.5	3.5
601	Tc	1,570	Sept. 18, 1969	17	--	3	1	264	1.0	235	191	128	1.0	3.0	--	724	10	1,131	8.2	97.80	33.7	3.6
601	Tc	1,570	July 9, 1974	16	--	5	1	312	--	248	214	199	.6	1.3	--	870	15	1,390	8.1	97.61	33.3	3.7
601	Tc	1,570	July 24, 1975	15	--	3	1	258	--	238	196	130	.6	< .4	--	721	10	1,150	7.7	97.97	32.9	3.6
601	Tc	1,570	July 24, 1976	18	--	2	2	255	--	238	200	130	.4	< .4	--	724	14	1,140	7.9	97.67	30.5	3.6
601	Tc	1,570	July 12, 1977	17	--	2	1	266	--	238	195	129	.4	< .4	--	727	8	1,155	8.1	98.45	38.3	3.7
57-501	Tc	760	Feb. 11, 1965	15	--	4	1	352	--	293	232	202	.7	< .4	0.7	951	15	1,600	8.3	98.19	40.7	4.5
501	Tc	760	Sept. 18, 1969	13	--	3	1	352	1.0	277	223	202	.8	< .4	--	932	11	1,510	8.6	98.34	44.9	4.3
501	Tc	760	July 13, 1977	12	--	4	1	356	--	296	232	205	.6	< .4	--	956	14	1,550	8.5	98.21	41.2	4.5
58-301	Tc-Twi	1,635	Feb. 11, 1965	17	--	3	2	336	--	301	189	196	.6	< .4	--	892	12	1,500	8.1	97.89	36.8	4.6
301	Tc-Twi	1,635	Sept. 18, 1969	15	--	3	2	400	1.0	387	195	252	.9	< .4	--	1,059	14	1,710	8.3	98.08	43.9	6.0
301	Tc-Twi	1,635	July 12, 1977	15	--	10	2	428	--	301	190	384	.7	< .4	--	1,178	35	1,940	8.0	96.55	32.2	4.2
59-401	Tc	1,800	Aug. 22, 1961	--	--	--	--	--	--	556	241	215	--	--	--	--	8	1,980	8.7	--	--	--
401	Tc	1,800	Feb. 11, 1965	17	--	3	0	299	--	292	159	172	.8	< .4	--	794	8	1,300	7.9	98.86	47.5	4.6
401	Tc	1,800	Sept. 18, 1969	16	--	3	1	297	1.0	303	148	170	.8	< .4	--	786	10	1,240	8.3	98.04	37.9	4.7
401	Tc	1,800	July 12, 1977	17	--	1	1	294	--	293	145	170	.7	< .4	--	773	2	1,250	8.1	98.97	49.7	4.6
61-301	T1a	295	Oct. 2, 1970	19	--	136	45	156	6.0	285	333	210	.8	< .4	--	1,046	530	1,550	7.9	38.94	2.9	.0
301	T1a	295	July 12, 1977	23	--	125	44	156	--	257	330	211	.7	< .4	--	1,016	493	1,580	8.2	40.77	3.0	.0
85-01-301	Tc	1,500	Aug. 23, 1961	--	--	--	--	--	--	318	189	167	--	--	--	--	4	1,410	8.2	--	--	--
301	Tc	1,500	Feb. 11, 1965	15	--	2	0	313	--	311	199	164	.9	< .4	.6	847	6	1,400	8.2	99.27	60.9	4.9
301	Tc	1,500	July 11, 1972	8	--	2	2	365	1.0	570	76	179	1.0	< .4	--	914	11	1,500	8.6	98.20	43.6	9.0
301	Tc	1,500	July 8, 1974	12	--	1	1	317	--	314	183	165	1.0	.6	--	836	3	1,330	8.1	99.05	53.6	5.0
301	Tc	1,500	July 14, 1977	32	--	1	1	315	--	292	186	158	.7	< .4	--	837	5	1,360	8.9	99.04	53.3	4.6
06-401	Tc	2,010	Feb. 8, 1965	19	--	6	0	417	--	660	94	199	1.2	< .4	--	1,061	16	1,750	8.1	98.37	46.8	10.5
401	Tc	2,010	Sept. 18, 1969	18	--	1	1	432	1.0	640	93	199	1.2	< .4	--	1,061	8	1,680	8.6	99.16	73.1	10.3
401	Tc	2,010	July 11, 1972	18	0.6	3	3	409	--	660	96	198	1.2	< .4	--	1,059	18	1,635	8.4	97.82	39.9	10.4
401	Tc	2,010	July 3, 1973	16	--	2	2	406	1.0	660	92	197	1.2	< .4	1.0	1,043	15	1,700	8.0	98.38	48.5	10.5
401	Tc	2,010	July 9, 1974	17	--	1	1	407	--	660	91	196	1.3	2.5	--	1,041	5	1,700	8.3	99.25	68.8	10.6
401	Tc	2,010	July 1, 1975	17	--	2	1	407	--	650	82	193	1.4	< .4	--	1,023	7	1,690	8.4	98.98	58.7	10.4
401	Tc	2,010	July 19, 1976	16	--	2	1	405	--	640	87	195	1.2	< .4	--	1,022	11	1,680	8.6	98.97	58.4	10.3

WEBB COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (microhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
YZ-85-04-401	Tc	2,010	July 13, 1977	18	--	2	1	429	--	660	91	193	1.2	0.9	--	1,060	6	1,680	8.7	99.03	61.8	10.6
06-802	Tla	468	Oct. 1, 1970	9	--	13	4	760	1.0	255	960	364	.7	< .4	--	2,237	48	3,190	8.1	97.05	47.2	3.2
802	Tla	468	July 12, 1977	8	--	18	2	800	--	296	980	369	.3	< .4	--	2,323	54	3,280	8.3	97.03	47.7	3.7
12-102	Tc	1,850	Aug. 11, 1965	20	--	1	1	520	--	772	136	238	1.5	4.2	--	1,301	6	2,160	8.3	99.41	88.0	12.5
102	Tc	1,850	July 11, 1972	8	--	2	2	365	1.0	570	76	179	1.0	< .4	--	914	11	1,500	8.6	98.20	43.6	9.0
102	Tc	1,850	July 3, 1973	17	--	3	4	486	1.0	750	121	234	1.8	< .4	--	1,236	26	1,920	7.7	97.67	43.2	11.8
102	Tc	1,850	July 9, 1974	19	--	2	1	500	--	750	125	231	1.6	1.7	--	1,250	7	1,890	8.3	99.17	72.1	12.1
102	Tc	1,850	July 1, 1975	20	--	2	1	483	--	750	120	226	1.6	.7	--	1,223	8	1,950	8.3	99.14	69.6	12.1
102	Tc	1,850	July 19, 1976	18	--	3	1	470	--	720	123	229	1.4	< .4	--	1,201	11	1,950	8.6	98.87	60.0	11.5
102	Tc	1,850	July 13, 1977	19	--	3	1	483	--	730	126	227	1.4	< .4	--	1,219	8	1,960	8.5	98.90	61.7	11.7
601	Tep	207	Aug. 24, 1961	--	--	--	--	--	--	338	173	69	--	--	--	--	134	1,070	7.5	--	--	--
601	Tep	207	July 13, 1977	20	--	48	17	158	--	298	177	85	.6	< .4	--	652	192	1,025	7.8	64.43	4.9	1.0
801	Tep	251	Aug. 24, 1961	--	1.1	--	--	--	--	284	534	460	--	--	--	--	71	2,880	7.7	--	--	--
801	Tep	251	July 14, 1977	11	--	19	7	560	--	287	489	399	.6	< .4	--	1,627	78	2,510	8.2	94.11	27.9	3.1
13-402	Tia	505	July 13, 1977	8	--	412	119	680	16.0	84	1,310	1,180	.2	< .4	--	3,766	1,520	4,910	7.6	49.02	7.5	.0
20-501	Tla	216	Oct. 1, 1970	15	--	40	28	730	3.0	466	1,040	213	1.0	< .4	--	2,299	214	3,240	8.4	87.89	21.6	3.3
501	Tla	216	July 13, 1977	18	--	46	23	830	--	477	1,240	219	.8	.8	--	2,612	209	3,400	8.3	89.60	24.9	3.6
29-202	Tc	3,245	Jan. 31, 1976	11	--	5	2	1,230	--	1,760	54	790	3.5	< .4	--	2,961	20	4,720	8.8	99.23	117.6	28.4
301	Tla	200	Oct. 2, 1970	11	--	11	2	1,080	1.0	243	1,040	750	1.1	< .4	--	3,015	37	4,440	8.6	98.45	78.6	3.2
301	Tla	200	July 13, 1977	13	--	14	2	1,360	--	394	1,810	500	.9	< .4	--	3,894	42	5,200	8.3	98.56	90.0	5.5
30-201	Ty	416	Aug. 22, 1961	--	.3	--	--	--	--	274	490	730	--	--	--	--	16	3,630	8.4	--	--	--
201	Ty	416	July 14, 1977	12	--	7	1	780	--	295	480	690	.5	< .4	--	2,115	20	3,260	8.6	98.74	73.0	4.4

WILSON COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZL-67-41-301	Tc	600	July 14, 1969	34	--	9	3	22	7.0	5	20	47	0.1	< 0.4	--	144	37	229	5.6	52.24	1.6	0.0
301	Tc	600	July 31, 1973	29	--	16	4	19	3.0	29	31	35	.1	< .4	0.1	151	57	240	6.4	40.70	1.1	.0
301	Tc	600	July 3, 1974	29	--	12	3	18	5.0	16	25	34	.2	.2	.1	134	41	214	6.6	44.57	1.2	.0
301	Tc	600	July 28, 1977	33	--	10	3	19	7.0	10	27	35	.1	< .4	--	139	37	205	6.0	47.19	1.3	.0
42-801	Tc	1,067	Mar. 12, 1969	16	--	38	7	58	7.0	217	30	30	.2	< .4	--	293	123	483	7.7	48.76	2.2	1.0
801	Tc	1,067	June 17, 1977	16	--	41	7	53	--	209	31	33	.1	< .4	--	284	130	474	8.1	46.79	2.0	.8
909	Tqc	600	Feb. 18, 1976	24	--	435	273	474	--	204	720	1,630	.2	< .4	--	3,656	2,210	5,420	7.1	31.83	4.3	.0
910	Tqc	300	Feb. 18, 1976	16	--	91	38	133	--	195	306	146	.1	< .4	--	826	383	1,250	7.8	43.01	2.9	.0
911	Tqc	350	Feb. 18, 1976	17	--	68	33	108	--	242	179	118	.1	< .4	--	642	304	1,000	7.9	43.47	2.6	.0
912	Tcm	37	Feb. 18, 1976	40	--	116	21	112	--	209	133	164	.4	111.0	--	800	378	1,200	7.8	39.33	2.5	.0
49-101	Tqc	315	Mar. 23, 1938	10	0.8	40	28	95	--	250	128	60	.1	.9	--	485	215	--	7.6	49.01	2.8	.0
101	Tqc	315	Aug. 25, 1939	23	.4	72	23	66	--	244	126	62	.4	< .4	--	493	276	--	7.6	34.36	1.7	.0
101	Tqc	315	Aug. 12, 1941	10	.2	63	21	87	--	262	123	57	.4	< .4	--	490	244	--	7.8	43.72	2.4	.0
101	Tqc	315	Dec. 8, 1942	25	1.6	65	24	73	--	244	133	57	.4	< .4	--	499	261	--	7.6	37.83	1.9	.0
101	Tqc	315	Nov. 6, 1947	24	.4	70	29	58	--	244	130	60	.1	< .4	--	491	294	--	7.7	30.03	1.4	.0
101	Tqc	315	Nov. 13, 1952	30	.0	57	22	75	--	244	117	53	.2	< .4	--	474	233	--	8.0	41.21	2.1	.0
101	Tqc	315	Jan. 9, 1953	--	.3	--	--	--	--	--	--	--	--	--	--	--	--	--	7.5	--	--	--
101	Tqc	315	June 16, 1954	17	.1	54	21	76	--	238	109	53	.2	< .4	--	447	217	--	7.8	42.78	2.2	.0
101	Tqc	315	Dec. 6, 1955	25	.6	62	21	114	--	226	167	92	.1	< .4	--	593	241	--	7.7	50.70	3.1	.0
101	Tqc	315	June 22, 1960	--	.6	73	29	92	--	215	154	96	.1	< .4	--	556	305	927	7.4	39.90	2.3	.0
101	Tqc	315	Mar. 31, 1964	--	.2	36	2	176	--	329	21	125	.2	< .4	--	690	98	1,045	7.8	79.61	7.7	3.4
101	Tqc	315	Nov. 5, 1965	--	.8	29	0	123	--	296	19	65	.2	< .4	--	540	90	726	7.6	78.71	6.2	3.4
101	Tqc	315	Dec. 13, 1966	--	1.1	53	19	116	--	221	163	96	.2	< .4	--	670	210	--	7.5	54.53	3.4	.0
101	Tqc	315	Feb. 26, 1968	--	.8	28	4	114	--	294	16	58	.2	< .4	--	520	87	--	7.8	74.17	5.3	3.0
101	Tqc	315	Dec. 31, 1968	--	.9	15	3	109	--	240	14	52	.1	< .4	--	440	50	--	8.6	82.65	6.7	2.9
101	Tqc	315	Feb. 18, 1969	11	.6	23	5	113	--	290	19	54	.1	< .4	--	374	79	637	7.8	75.92	5.5	3.1
101	Tqc	315	Nov. 17, 1971	--	.0	33	12	86	--	272	35	45	.1	< .4	--	481	131	--	8.0	58.68	3.2	1.8
201	Tc	912	Apr. 23, 1963	13	.0	31	3	107	--	305	13	42	--	--	--	358	89	615	7.4	72.18	4.9	3.2
201	Tc	912	Apr. 25, 1963	--	--	--	--	--	--	320	--	--	--	--	--	--	--	--	--	--	--	--
201	Tc	912	Feb. 18, 1969	13	.1	23	6	94	--	272	14	37	.1	< .4	--	321	82	540	7.4	71.36	4.5	2.8
201	Tc	912	July 24, 1972	16	.2	28	6	96	1.0	281	18	42	.4	< .4	0.2	346	96	555	7.3	68.54	4.2	2.7
201	Tc	912	July 31, 1973	15	--	27	6	97	5.0	281	20	43	.2	< .4	--	351	93	580	7.4	68.18	4.3	2.7
201	Tc	912	July 3, 1974	15	--	29	3	92	9.0	270	15	39	.2	< .4	.3	335	85	540	7.9	67.53	4.3	2.7

WILSON COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-67-49-201	Tc	912	June 25, 1975	15	--	30	4	90	--	265	19	40	0.2	< 0.4	--	328	90	564	7.7	68.19	4.0	2.5
201	Tc	912	July 7, 1976	16	0.0	30	4	88	8.0	262	20	40	.2	< .4	--	335	91	556	7.7	65.34	4.0	2.4
201	Tc	912	June 17, 1977	16	--	32	3	91	8.0	273	17	41	.2	< .4	--	342	92	559	7.6	65.90	4.1	2.6
202	Tqc	460	Feb. 18, 1969	13	.6	38	17	173	10.0	228	211	114	.2	< .4	--	694	166	1,076	7.9	67.94	5.8	.4
202	Tqc	460	June 17, 1977	15	--	40	15	175	11.0	221	201	114	.1	1.0	--	680	162	1,070	7.9	68.43	5.9	.3
50-103	Tqc	263	Aug. 17, 1970	15	--	152	60	127	14.0	195	437	213	.3	< .4	--	1,114	630	1,640	7.6	30.02	2.2	.0
103	Tqc	263	June 22, 1977	14	--	153	59	136	--	195	453	221	.1	< .4	--	1,130	630	1,670	7.6	31.82	2.3	.0
68-47-301	Twi	119	Apr. 24, 1936	--	--	--	--	--	--	214	48	86	--	--	--	377	--	--	--	--	--	--
301	Twi	119	Aug. 17, 1970	29	--	239	69	72	4.0	366	324	283	.7	< .4	--	1,201	880	1,800	7.1	15.03	1.0	.0
301	Twi	119	June 22, 1977	31	--	396	114	113	--	376	740	449	.6	< .4	--	2,028	1,460	2,720	7.2	14.43	1.2	.0
902	Tc	453	Mar. 4, 1969	34	--	30	3	19	6.0	92	16	30	.2	< .4	--	183	89	280	7.1	30.34	.8	.0
902	Tc	453	July 26, 1977	28	--	79	3	24	--	249	15	32	.1	2.5	--	306	211	504	7.6	19.95	.7	.0
48-102	Twi	514	June 18, 1968	--	.9	52	28	284	--	370	268	197	.6	< .4	--	1,012	244	1,958	7.8	71.61	7.8	1.1
102	Twi	514	Feb. 19, 1969	16	.4	48	31	283	--	366	294	192	.4	< .4	--	1,048	249	1,630	7.6	71.34	7.8	1.0
102	Twi	514	May 14, 1973	--	--	51	31	283	--	355	302	205	.5	2.9	--	1,230	256	--	7.6	70.73	7.7	.7
102	Twi	514	May 22, 1974	--	.9	79	34	207	--	376	222	182	--	--	--	1,300	336	--	7.8	57.19	4.9	.0
102	Twi	514	Apr. 19, 1976	--	.9	73	29	270	--	338	208	95	.2	< .4	--	880	406	--	7.6	66.08	6.7	.0
102	Twi	514	July 26, 1977	21	--	55	29	282	--	356	300	190	.2	< .4	--	1,052	256	1,640	7.8	70.51	7.6	.7
103	Twi	525	June 27, 1968	--	.8	88	32	118	--	343	182	102	.4	< .4	--	691	353	1,352	7.5	42.22	2.7	.0
103	Twi	525	May 14, 1973	--	--	81	33	155	--	348	225	128	.5	1.3	--	970	338	--	7.7	49.95	3.6	.0
103	Twi	525	May 22, 1974	--	.1	77	36	330	--	348	421	251	.6	3.7	--	1,470	342	--	7.7	67.84	7.7	.0
103	Twi	525	Apr. 19, 1976	--	.9	105	35	94	7.0	338	208	95	.2	< .4	--	880	406	1,350	7.6	33.01	2.0	.0
804	Tc	355	July 8, 1969	29	--	16	3	21	7.0	28	16	45	.2	< .4	--	151	51	241	6.2	42.73	1.2	.0
804	Tc	355	July 26, 1977	30	--	13	2	27	7.0	16	23	51	.1	< .4	--	161	42	256	6.6	54.20	1.8	.0
53-902	Tc	754	July 15, 1969	21	--	11	3	18	6.0	23	21	32	.7	< .4	--	124	40	203	6.4	45.20	1.2	.0
902	Tc	754	July 31, 1973	20	.5	12	3	20	4.0	21	23	34	.2	< .4	0.1	127	41	204	6.2	47.86	1.3	.0
902	Tc	754	July 23, 1974	20	--	17	2	19	--	31	21	34	.1	< .4	--	128	51	224	6.9	44.93	1.1	.0
902	Tc	754	June 25, 1975	22	--	31	2	19	6.0	77	19	34	.2	< .4	--	171	85	291	7.0	30.71	.8	.0
902	Tc	754	Aug. 4, 1976	21	--	12	4	19	--	22	23	33	.1	< .4	--	123	46	205	7.3	47.11	1.2	.0
902	Tc	754	July 27, 1977	24	--	15	3	19	6.0	28	25	33	.1	< .4	--	139	48	225	6.7	41.84	1.1	.0
54-302	Tc	355	July 18, 1969	24	--	25	4	14	5.0	81	15	23	.3	< .4	--	150	79	240	7.2	26.32	.6	.0
302	Tc	355	July 21, 1972	24	--	32	4	14	1.0	99	14	24	.2	< .4	--	162	97	260	7.6	23.78	.6	.0
302	Tc	355	July 30, 1974	21	--	23	4	14	4.0	68	14	25	.2	< .4	--	139	70	228	7.3	27.83	.7	.0

WILSON COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
302	Tc	353	July 27, 1977	27	--	24	3	15	--	71	15	23	.1	< .4	--	142	72	229	7.3	31.11	.7	.0
501	Tw1	720	Apr. 2, 1969	5	--	4	1	258	4.0	270	100	153	.4	< .4	--	658	13	1,167	9.1	96.69	29.9	4.1
501	Tw1	720	July 28, 1977	16	--	14	5	275	--	321	218	131	.4	< .4	--	817	57	1,280	8.2	91.51	16.0	4.1
55-705	Tqc	200	Aug. 21, 1970	34	--	135	30	65	6.0	305	119	171	.8	< .4	--	711	460	1,135	7.4	23.20	1.3	.0
705	Tqc	200	June 16, 1977	39	--	140	30	64	--	290	101	196	.5	< .4	--	713	475	1,173	7.8	22.75	1.2	.0
901	Tc	794	May 2, 1969	16	0.3	28	9	112	9.0	329	36	42	.5	< .4	--	417	108	684	7.5	67.29	4.7	3.2
901	Tc	794	July 21, 1972	17	--	25	24	319	8.0	455	68	311	.3	< .4	0.5	996	161	1,580	7.5	80.20	10.9	4.2
901	Tc	794	July 26, 1973	16	--	25	23	321	10.0	458	67	317	.4	< .4	--	1,004	158	1,690	7.5	80.44	11.1	4.3
901	Tc	794	Oct. 17, 1973	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
901	Tc	794	July 23, 1974	15	2.4	35	19	371	10.0	473	72	383	.3	.6	.7	1,141	166	1,940	7.8	81.90	12.5	4.4
901	Tc	794	Feb. 13, 1975	--	--	29	8	124	--	344	27	54	.5	< .4	--	590	106	--	7.7	71.92	5.2	3.5
901	Tc	794	June 24, 1975	16	--	27	22	359	--	468	61	348	.3	< .4	--	1,063	156	1,810	7.8	83.18	12.4	4.5
901	Tc	794	July 7, 1976	17	11.1	30	21	348	--	466	56	350	.2	< .4	--	1,062	160	1,850	7.7	82.44	11.9	4.4
901	Tc	794	June 17, 1977	15	--	26	21	315	--	456	53	297	.3	< .4	--	951	151	1,620	7.9	81.91	11.1	4.4
902	Tc	960	May 2, 1969	16	.1	31	10	109	9.0	323	39	38	.5	< .4	--	412	118	661	7.5	64.58	4.3	2.9
902	Tc	960	Sept. 16, 1976	--	.1	31	9	142	--	350	36	76	.4	< .4	--	640	113	--	7.7	72.97	5.7	3.4
902	Tc	960	Nov. 4, 1976	--	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
903	Tc	1,400	May 2, 1969	17	.2	41	15	75	10.0	287	53	32	.4	< .4	--	385	167	625	7.8	47.99	2.5	1.4
903	Tc	1,400	Feb. 13, 1975	--	.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
903	Tc	1,400	Nov. 4, 1976	--	--	41	13	76	--	288	52	33	.4	1.1	--	520	155	--	8.1	51.48	2.6	1.6
56-202	Tc	531	Apr. 22, 1969	14	--	7	9	188	4.0	453	30	40	.9	< .4	--	516	52	840	7.8	87.28	11.0	6.3
202	Tc	531	July 27, 1977	17	--	10	2	202	--	450	42	39	.9	< .4	--	534	35	856	8.1	92.98	15.2	6.7
901	Ts	79	Aug. 17, 1970	59	--	55	15	75	5.0	70	44	170	.2	25.0	--	482	198	789	6.5	44.27	2.3	.0
901	Tc	79	June 17, 1977	63	--	42	4	71	--	102	37	84	.3	43.6	--	395	123	580	7.3	56.02	2.8	.0
62-503	Tqc	600	June 27, 1977	22	--	58	22	115	--	316	116	82	.5	< .4	--	571	238	918	8.0	51.54	3.2	.4
607	Ts	103	June 27, 1977	86	--	47	12	65	9.0	60	116	96	.2	16.3	--	477	166	666	7.2	44.25	2.1	.0
902	Tc	1,600	June 24, 1955	17	--	61	11	39	8.9	274	28	27	.4	.2	.2	327	197	561	7.7	28.88	1.2	.5
902	Tc	1,600	Apr. 2, 1969	17	--	65	10	39	9.0	272	30	27	.5	< .4	--	331	204	552	7.5	28.30	1.1	.3
902	Tc	1,600	July 23, 1974	17	--	66	9	37	--	260	29	29	.5	< .4	.2	315	201	525	7.9	28.52	1.1	.2
902	Tc	1,600	Aug. 4, 1976	17	--	61	10	37	9.0	250	32	28	.4	< .4	.3	318	195	521	8.6	28.20	1.1	.2
902	Tc	1,600	June 27, 1977	17	--	61	11	41	9.5	273	32	28	.4	< .4	--	334	198	551	7.6	29.84	1.2	.5
63-207	Ts	126	June 22, 1977	90	--	39	11	113	7.0	112	53	173	.4	15.4	--	556	144	747	7.2	61.86	4.1	.0
803	Tc	2,215	June 28, 1972	--	--	22	6	127	--	354	29	35	.4	< .4	--	580	81	--	7.8	77.63	6.1	4.2
803	Tc	2,215	May 2, 1973	--	.0	19	8	130	--	336	29	33	.5	< .4	--	560	80	--	7.6	77.88	6.3	3.9

WILSON COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
AL-68-63-803	Tc	2,215	Sept. 6, 1973	--	0.0	21	6	128	--	323	38	41	0.6	1.5	--	560	78	--	8.1	78.31	6.3	3.7
803	Tc	2,215	Oct. 4, 1974	--	.0	22	7	120	--	343	25	39	.6	.7	--	570	83	--	7.9	75.72	5.7	3.9
803	Tc	2,215	Oct. 6, 1975	--	.0	21	6	124	--	333	27	37	.5	1.3	--	570	79	--	8.6	77.77	6.1	3.9
803	Tc	2,215	Oct. 27, 1976	--	.0	20	7	123	--	318	34	33	.4	< .4	--	550	77	--	8.7	77.27	6.0	3.6
64-401	Tc	2,010	Apr. 29, 1953	21	.1	8	2	202	--	451	26	43	.5	< .4	--	525	28	--	8.5	93.97	16.5	6.8
401	Tc	2,010	Nov. 22, 1955	21	--	42	1	205	3.6	461	38	37	.5	.0	D.3	575	16	857	7.7	79.70	8.5	5.3
401	Tc	2,010	Oct. 1, 1959	--	.1	6	2	185	--	473	19	38	.5	< .4	--	501	21	835	8.2	94.55	16.7	7.2
401	Tc	2,010	Sept. 4, 1963	--	.1	5	1	217	--	510	5	41	.6	< .4	---	790	18	980	8.4	96.60	23.1	8.0
401	Tc	2,010	Mar. 9, 1967	--	.0	4	3	173	--	368	54	32	.4	< .4	--	630	20	--	8.2	94.40	15.9	5.5
401	Tc	2,010	May 2, 1969	22	.0	4	8	199	3.0	472	35	36	.7	< .4	--	540	45	855	7.9	90.25	13.2	6.8
401	Tc	2,010	June 4, 1970	--	.0	5	2	197	--	470	39	25	.6	< .4	--	740	21	--	8.0	95.39	18.8	7.2
401	Tc	2,010	Mar. 1, 1972	--	.0	5	2	206	--	476	36	36	.6	> .4	--	760	22	--	8.1	95.58	19.6	7.3
401	Tc	2,010	Aug. 9, 1977	22	--	9	3	214	--	489	34	38	.4	> .4	--	561	35	865	8.3	93.04	15.7	7.3
402	Tc	2,032	May 10, 1962	--	.1	4	2	200	--	460	39	44	.5	> .4	--	534	18	890	7.8	95.98	20.3	7.1
402	Tc	2,032	Jan. 8, 1966	--	.0	4	2	200	--	436	42	33	.6	> .4	--	720	19	880	8.1	95.98	20.3	6.7
402	Tc	2,032	Jan. 8, 1966	--	.1	4	2	176	--	361	51	29	.5	> .4	--	630	20	800	8.5	95.46	17.9	5.5
402	Tc	2,032	Mar. 9, 1967	--	.0	3	3	202	--	460	36	38	.6	> .4	--	740	20	--	7.9	95.68	19.7	7.1
402	Tc	2,032	May 2, 1969	23	.0	4	4	172	4.0	375	56	30	.4	> .4	--	478	27	751	7.9	92.22	14.5	5.6
402	Tc	2,032	July 20, 1972	24	.0	5	3	174	1.0	371	55	30	.4	< .4	--	475	24	720	7.9	93.55	15.1	5.5
402	Tc	2,032	Nov. 19, 1973	--	.0	6	2	213	--	482	26	39	.7	> .4	--	770	21	--	8.3	95.23	19.2	7.4

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-69-58-801	Tc	84	Dec. 27, 1948	12	--	107	29	24	--	262	54	117	--	3.5	--	475	386	856	--	11.90	0.5	0.0
801	Tc	84	July 19, 1972	13	--	89	20	117	1.0	248	102	162	0.2	22.0	--	648	304	1,045	7.4	45.43	2.9	.0
801	Tc	84	July 9, 1973	11	--	119	32	120	1.0	238	145	231	.5	28.0	0.4	804	430	1,300	7.3	37.78	2.5	.0
801	Tc	84	July 11, 1974	10	--	74	19	96	--	242	120	100	.3	18.0	--	556	261	870	7.5	44.27	2.5	.0
801	Tc	84	July 16, 1975	10	--	86	21	59	--	234	72	106	.2	16.0	--	485	299	825	7.4	29.89	1.4	.0
801	Tc	84	July 23, 1976	12	--	115	31	58	--	217	74	183	.1	26.0	--	605	416	1,033	7.5	23.33	1.2	.0
801	Tc	84	June 30, 1977	12	--	104	29	69	--	223	133	137	.1	21.7	--	615	380	1,006	7.6	28.38	1.5	.0
802	Tc	203	Feb. 26, 1969	18	--	271	49	240	4.0	310	177	670	.3	43.0	--	1,624	880	2,680	7.1	37.15	3.5	.0
802	Tc	203	June 30, 1977	17	--	211	33	198	--	307	168	456	.1	66.2	--	1,300	660	2,110	7.5	39.40	3.3	.0
59-911	Tc	272	June 27, 1969	13	--	214	20	94	2.0	277	347	168	.4	11.5	--	1,006	618	1,380	7.3	24.83	1.6	.0
911	Tc	272	July 31, 1974	14	--	313	40	265	--	327	810	262	.6	55.0	--	1,920	950	2,400	7.7	37.87	3.7	.0
911	Tc	272	July 9, 1975	16	--	331	36	273	--	328	820	278	.6	62.0	--	1,977	980	2,530	7.3	37.87	3.8	.0
911	Tc	272	July 28, 1976	17	--	324	33	253	3.0	329	790	293	.1	56.0	--	1,930	950	2,500	7.4	36.72	3.5	.0
911	Tc	272	July 8, 1977	17	--	281	31	185	--	316	590	245	.1	45.3	--	1,549	830	2,100	7.4	32.68	2.7	.0
60-201	Tc	--	Apr. 16, 1970	27	--	108	6	35	1.0	281	42	52	.3	19.0	--	428	295	690	7.6	20.49	.8	.0
201	Tc	--	July 11, 1974	29	--	106	4	29	--	278	24	46	.3	37.0	--	411	284	643	7.5	18.33	.7	.0
201	Tc	--	July 8, 1975	31	--	108	3	30	--	281	23	45	.3	37.0	--	415	281	662	7.5	18.80	.7	.0
201	Tc	--	July 27, 1976	30	--	107	4	30	--	284	25	45	.2	34.0	--	414	285	661	7.6	18.71	.7	.0
201	Tc	--	June 28, 1977	30	--	127	8	38	3.0	282	45	92	.3	36.9	--	518	351	840	7.5	18.94	.8	.0
801	Tms	--	May 13, 1976	30	--	110	8	30	--	329	26	53	.3	7.0	--	426	308	694	7.3	17.51	.7	.0
801	Tms	--	July 6, 1977	18	--	114	9	38	4.0	336	34	64	.3	7.3	--	453	322	760	7.6	20.19	.9	.0
61-509	Tc	250	Aug. 2, 1968	22	--	124	16	17	--	395	30	38	.3	2.5	--	444	377	750	7.4	8.97	.3	.0
509	Tc	250	July 11, 1974	22	--	177	21	37	6.0	394	48	162	.2	8.0	.3	675	530	1,094	7.5	13.06	.7	.0
509	Tc	250	July 8, 1975	23	--	196	21	40	--	390	46	202	.3	8.0	--	728	580	1,220	7.5	13.13	.7	.0
509	Tc	250	June 28, 1977	24	--	255	34	56	--	371	74	371	.2	10.5	--	1,007	780	1,720	7.4	13.56	.8	.0
526	Kceb	3,488	July 15, 1976	12	--	600	115	186	12.0	84	1,680	358	2.3	< .4	.6	3,007	1,960	3,400	6.9	16.92	1.8	.0
526	Kceb	3,488	June 28, 1977	19	--	670	110	187	13.0	179	1,890	349	2.7	< .4	--	3,329	2,130	3,590	7.1	15.96	1.7	.0
76-08-503	Tc	150	Apr. 7, 1970	43	--	107	18	90	2.0	334	59	120	.3	26.0	--	629	341	1,000	7.5	36.29	2.1	.0
503	Tc	150	June 29, 1977	23	--	232	82	1,150	--	193	780	1,750	.4	< .4	--	4,112	920	5,980	7.8	73.19	16.5	.0
24-201	Tc	300	July 25, 1974	14	--	50	10	163	4.0	317	112	116	.7	< .4	--	625	165	1,003	7.9	67.46	5.5	1.8
201	Tc	300	July 10, 1975	17	--	131	24	320	--	336	311	374	.9	< .4	--	1,343	424	2,100	7.7	62.05	6.7	.0
201	Tc	300	July 21, 1976	14	--	36	10	141	--	316	74	72	.5	< .4	--	503	130	820	7.9	70.07	5.3	2.5
201	Tc	300	July 1, 1977	14	--	33	7	135	--	315	66	58	.5	< .4	--	468	112	763	8.0	72.54	5.5	2.9

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Well--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-76-24-201	Tb	180	Dec. 18 1974	13	--	36	12	125	4.0	268	142	38	0.7	< 0.4	--	502	141	760	7.9	65.33	4.6	1.6
206	Tb	180	July 10, 1975	14	--	28	8	124	--	304	63	37	.6	< .4	--	424	102	702	7.7	72.41	5.3	2.9
206	Tb	180	July 21, 1976	14	--	27	10	123	--	299	84	39	.6	< .4	--	445	109	712	7.8	71.14	5.1	2.7
206	Tb	180	July 1, 1977	17	--	29	9	129	--	292	98	38	.5	< .4	--	464	109	729	7.9	71.95	5.3	2.5
604	Tc	--	July 8, 1969	16	--	43	9	68	--	288	37	19	.4	< .4	--	334	146	542	7.6	50.61	2.4	1.8
604	Tc	--	July 20, 1972	16	--	43	12	100	1.0	306	50	53	.3	< .4	--	426	157	690	7.7	57.93	3.4	1.8
604	Tc	--	July 10, 1973	14	0.5	38	12	77	1.0	293	38	26	.5	< .4	0.6	352	144	595	7.6	53.52	2.7	1.9
604	Tc	--	July 10, 1974	14	--	41	10	74	--	288	37	23	.4	.6	.3	341	143	550	7.9	52.88	2.6	1.8
604	Tc	--	July 10, 1975	15	--	41	8	80	--	295	35	26	.4	< .4	--	350	137	593	7.8	56.27	2.9	2.1
604	Tc	--	July 22, 1976	16	--	39	9	81	4.0	295	34	27	.3	< .4	.3	356	137	584	7.8	55.82	3.0	2.1
604	Tc	--	July 1, 1977	16	--	42	10	75	--	290	40	23	.4	< .4	--	349	147	565	7.8	52.78	2.7	1.8
77-01-101	Tc	150	Apr. 7, 1970	27	--	128	30	100	2.0	328	125	181	.5	< .4	--	755	442	1,200	7.7	32.81	2.0	.0
101	Tc	150	July 25, 1974	26	--	142	25	98	3.0	337	144	185	.6	< .4	--	789	456	1,250	7.7	31.62	1.9	.0
101	Tc	150	July 16, 1975	28	--	141	26	99	--	332	145	183	.6	< .4	--	786	460	1,200	7.6	31.94	2.0	.0
101	Tc	150	July 22, 1976	31	--	139	27	98	--	334	130	181	.4	< .4	--	771	459	1,240	7.9	31.76	1.9	.0
101	Tc	150	June 29, 1977	31	--	132	28	102	--	331	144	180	.4	< .4	--	780	445	1,240	7.9	33.29	2.1	.0
02-402	Tb	--	Dec. 18, 1974	30	--	85	19	30	--	342	34	29	.4	< .4	--	395	293	630	7.8	18.35	.7	.0
402	Tb	--	July 21, 1975	28	--	90	17	30	--	344	33	31	.4	< .4	--	398	295	635	7.6	18.14	.7	.0
402	Tb	--	July 22, 1976	31	--	85	20	27	--	344	31	31	.3	< .4	--	394	295	636	7.7	16.63	.6	.0
402	Tb	--	June 30, 1977	32	--	86	19	30	--	345	33	35	.3	< .4	--	405	291	655	7.6	18.22	.7	.0
403	Tc	575	Nov. 30, 1960	--	.4	76	18	15	--	311	23	17	.2	< .4	--	334	263	557	7.4	11.01	.4	.0
403	Tc	575	Sept. 5, 1962	--	.0	76	14	12	--	284	27	14	.2	< .4	--	317	248	528	7.2	9.55	.3	.0
403	Tc	575	Mar. 27, 1968	18	--	77	13	13	--	287	23	17	.3	< .4	--	302	248	514	7.6	10.32	.3	.0
403	Tc	575	June 29, 1972	--	--	79	13	12	--	283	22	14	.3	< .4	--	423	251	--	7.2	9.43	.3	.0
403	Tc	575	July 19, 1972	20	--	80	14	11	1.0	283	23	15	.2	< .4	.1	303	257	485	7.6	8.47	.2	.0
403	Tc	575	Mar. 23, 1974	--	--	82	12	13	--	285	25	18	.2	< .4	--	435	255	--	7.4	10.01	.3	.0
403	Tc	575	Mar. 4, 1975	--	--	82	12	12	--	287	25	16	.3	.8	--	435	254	--	7.5	9.32	.3	.0
403	Tc	575	June 30, 1977	23	--	81	11	12	--	282	25	16	.2	< .4	--	307	251	509	7.7	9.54	.3	.0
603	Q1e	70	Feb. 26, 1969	18	--	254	99	225	3.0	378	304	610	.4	21.5	--	1,720	1,040	2,730	7.0	31.90	3.0	.0
603	Q1e	70	June 29, 1977	23	--	210	63	214	--	405	340	394	.2	27.6	--	1,470	790	2,240	7.6	37.28	3.3	.0
03-402	Tc	697	July 29, 1976	25	--	113	11	27	--	328	55	46	.3	< .4	--	438	329	696	7.9	15.21	.6	.0
402	Tc	697	June 29, 1977	26	--	112	13	32	--	341	59	49	.3	< .4	--	459	333	741	7.8	17.29	.7	.0
502	Tb	220	Dec. 17, 1974	27	--	130	31	166	--	378	311	128	1.2	< .4	--	980	454	1,400	7.9	44.41	3.3	.0

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-77-03-502	Tb	220	July 9, 1975	27	--	127	34	163	--	379	317	127	1.1	< 0.4	--	982	455	1,450	8.0	43.70	3.3	0.0
503	Tb	210	Dec. 17, 1974	23	--	79	24	173	7.0	365	157	158	1.5	< .4	--	802	298	1,250	7.8	55.25	4.3	.0
503	Tb	210	July 9, 1975	22	--	85	21	173	--	367	138	154	1.6	< .4	--	775	297	1,260	7.7	55.76	4.3	.0
504	Tb	208	Dec. 17, 1974	23	--	72	20	194	8.0	379	164	164	1.6	< .4	--	833	263	1,280	7.9	60.79	5.2	.9
504	Tb	208	July 9, 1975	21	--	71	19	190	8.0	373	157	157	1.5	< .4	--	808	256	1,250	8.0	60.88	5.1	1.0
505	Tb	208	Dec. 17, 1974	20	--	78	24	260	9.0	415	213	234	1.6	< .4	--	1,044	294	1,600	7.8	64.97	6.6	.9
505	Tb	208	July 9, 1975	17	--	77	25	260	--	410	203	230	1.5	< .4	--	1,015	295	1,620	7.9	65.72	6.5	.8
506	Tb	195	Dec. 19, 1974	29	--	93	21	108	8.0	361	147	92	.9	< .4	--	676	320	1,016	7.6	41.68	2.6	.0
506	Tb	195	July 9, 1975	24	--	72	17	112	--	327	99	92	.9	< .4	--	578	250	920	8.1	49.39	3.0	.3
506	Tb	195	July 29, 1976	30	--	95	21	113	--	360	144	92	.8	< .4	--	673	324	1,035	7.9	43.18	2.7	.0
506	Tb	195	June 29, 1977	36	--	99	23	120	8.0	362	164	114	.8	< .4	--	743	342	1,131	7.9	42.59	2.8	.0
04-206	Tb	155	May 12, 1976	37	--	510	102	89	--	217	99	1,110	.3	62.0	--	2,115	1,690	3,500	7.2	10.26	.9	.0
207	Tb	112	May 12, 1976	21	--	79	23	134	--	365	124	119	.6	< .4	--	680	291	1,082	7.6	49.98	3.4	.1
207	Tb	112	June 29, 1977	25	--	76	22	133	8.0	357	130	119	.6	< .4	--	689	281	1,095	7.9	49.91	3.4	.2
431	Te	922	July 9, 1973	14	0.0	86	10	11	2.0	279	24	16	.3	< .4	--	300	257	510	7.2	8.47	.2	.0
431	Te	922	July 11, 1974	14	.1	89	8	10	5.0	278	25	16	.2	< .4	0.1	304	256	493	7.6	7.68	.2	.0
431	Te	922	July 8, 1975	16	--	90	8	10	--	282	20	16	.3	< .4	--	299	256	555	7.6	7.79	.2	.0
431	Te	922	July 29, 1976	16	.1	90	8	10	--	283	25	16	.2	< .4	--	304	257	501	8.1	7.79	.2	.0
431	Te	922	June 28, 1977	14	--	90	7	11	--	285	26	15	.2	< .4	--	303	255	512	7.5	8.62	.3	.0
608	Te	960	Feb. 27, 1969	13	--	30	19	356	10.0	210	63	500	1.2	< .4	--	1,095	152	1,960	8.1	82.36	12.5	.3
608	Te	960	June 29, 1977	13	--	41	12	378	--	210	106	494	1.1	< .4	--	1,148	152	2,000	7.4	84.42	13.3	.4
818	Te	1,087	Nov. 6, 1968	16	--	87	10	11	2.0	268	30	20	.3	< .4	.2	308	259	523	7.6	8.40	.2	.0
818	Te	1,087	July 8, 1977	16	--	88	8	17	2.0	392	34	20	.3	< .4	--	378	254	535	7.7	12.66	.4	1.3
09-102	Te	600	Apr. 7, 1970	15	--	63	30	430	3.0	270	224	540	.7	< .4	1.5	1,440	280	2,340	7.9	76.68	11.1	.0
102	Te	600	July 7, 1977	18	--	81	28	437	--	300	240	550	.6	< .4	--	1,502	319	2,450	7.7	74.97	10.6	.0
605	Te	848	July 29, 1976	19	--	66	10	59	--	310	40	29	.4	< .4	--	376	207	601	7.8	38.40	1.7	.9
10-102	Te	--	June 7, 1968	19	--	81	13	18	--	306	24	14	.4	< .4	--	320	255	534	7.4	13.28	.4	.0
102	Te	--	June 30, 1977	23	--	81	12	19	--	307	23	14	.3	< .4	--	323	254	534	7.8	14.11	.5	.0
611	Te	903	July 8, 1969	18	--	120	17	30	--	361	65	51	.4	< .4	--	479	371	775	7.3	15.01	.6	.0
611	Te	903	July 8, 1977	19	--	116	16	32	--	356	70	51	.4	< .4	--	479	358	782	7.5	16.38	.7	.0
904	Te	1,007	Feb. 18, 1969	16	--	102	18	40	5.0	350	82	41	.4	< .4	.3	477	330	767	7.3	20.62	.9	.0
904	Te	1,007	July 8, 1977	19	--	100	18	43	6.0	346	80	41	.4	< .4	--	477	322	759	7.4	22.02	1.0	.0
911	Te	929	May 6, 1975	23	--	77	16	71	--	322	71	53	.4	< .4	--	470	256	755	7.7	37.45	1.9	.1

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-77-11-409	Tb	865	Aug. 21, 1975	11	0.3	15	3	470	5.0	407	248	355	1.6	< 0.4	2.7	1,312	49	2,040	8.3	94.79	28.9	5.6
409	Tb	865	Aug. 21, 1975	12	.9	17	3	456	5.0	411	237	351	1.5	< .4	2.6	1,288	53	2,010	8.2	94.19	26.8	5.6
409	Tb	865	Aug. 21, 1975	13	.3	30	.3	153	5.0	312	93	56	.6	< .4	.6	508	88	800	8.1	78.05	7.1	3.3
409	Tb	865	Aug. 21, 1975	13	.7	28	4	150	5.0	314	86	56	.6	< .4	.5	498	88	797	8.1	77.87	7.0	3.4
409	Tb	865	Aug. 22, 1975	12	.5	21	3	560	7.0	426	277	459	1.8	< .4	3.0	1,554	63	2,400	8.1	94.29	30.2	5.6
409	Tb	865	Aug. 22, 1975	11	.8	23	3	590	7.0	464	279	459	1.8	< .4	3.0	1,606	69	2,400	8.2	94.22	30.7	6.2
409	Tb	865	Sept. 2, 1975	10	--	18	7	640	--	406	302	590	1.8	< .4	--	1,768	73	2,750	8.0	94.97	32.4	5.1
409	Tb	865	Sept. 2, 1975	10	--	22	6	640	--	411	296	590	1.8	< .4	--	1,768	79	2,800	8.0	94.59	31.2	5.1
409	Tb	865	Sept. 2, 1975	10	--	20	7	640	--	406	268	590	1.8	< .4	--	1,736	76	2,760	8.2	94.65	31.3	5.0
409	Tb	865	Sept. 10, 1975	19	--	98	39	670	--	610	810	357	1.7	< .4	--	2,295	408	3,150	7.4	78.25	14.4	1.9
409	Tb	865	Sept. 10, 1975	18	--	97	42	680	--	610	870	364	1.9	< .4	--	2,373	414	3,100	7.4	78.10	14.5	1.7
409	Tb	865	Sept. 10, 1975	19	--	94	44	680	--	610	850	362	1.9	< .4	--	2,351	414	3,090	7.3	78.06	14.5	1.6
409	Tb	865	Sept. 10, 1975	13	--	44	14	406	--	510	419	150	1.6	< .4	--	1,298	168	1,880	7.6	84.06	13.6	5.0
409	Tb	865	Sept. 10, 1975	12	--	46	15	405	--	520	387	150	1.7	< .4	--	1,272	176	1,900	7.4	83.31	13.2	4.9
409	Tb	865	Sept. 10, 1975	18	--	48	16	409	--	560	393	149	1.4	< .4	--	1,310	187	1,840	7.3	82.74	13.0	5.4
409	Tb	865	Nov. 19, 1975	3	--	2	1	177	273.0	--	60	43	.5	< .4	--	900	4	1,960	11.3	51.79	25.5	--
701	Te	1,163	Dec. 27, 1948	16	--	98	25	24	--	320	83	36	--	--	--	439	--	754	--	13.06	.5	.0
701	Te	1,163	June 7, 1968	17	--	107	14	35	--	344	75	34	.5	< .4	--	452	325	734	7.3	19.00	.8	.0
701	Te	1,163	July 10, 1973	15	.6	101	18	35	3.0	342	66	36	.6	.9	.2	444	327	735	7.5	18.75	.8	.0
701	Te	1,163	July 10, 1974	16	--	102	18	35	--	343	75	35	.5	< .4	--	450	329	709	7.6	18.81	.8	.0
701	Te	1,163	July 15, 1975	14	--	182	56	2,150	--	212	630	3,270	1.5	.1	--	6,407	680	8,600	6.9	87.23	35.7	.0
701	Te	1,163	July 29, 1976	12	--	70	16	35	--	284	37	33	.3	< .4	--	343	239	575	8.0	24.04	.9	.0
701	Te	1,163	June 30, 1977	23	--	103	15	36	6.0	345	76	35	.4	< .4	--	464	320	726	7.7	19.35	.8	.0
703	Te	1,137	Dec. 19, 1974	16	--	101	13	36	4.0	336	69	33	.4	< .4	--	438	307	690	7.7	20.13	.8	.0
703	Te	1,137	Jan. 24, 1975	17	--	100	13	35	--	334	66	32	.5	< .4	--	428	304	687	7.8	20.08	.8	.0
703	Te	1,137	Feb. 28, 1975	16	--	95	15	38	--	333	61	32	.6	< .4	--	421	301	700	7.8	21.67	.9	.0
703	Te	1,137	Apr. 29, 1975	16	--	103	12	36	--	334	63	32	.5	< .4	--	427	306	695	7.6	20.35	.8	.0
703	Te	1,137	May 27, 1975	16	--	100	13	35	--	332	60	31	.5	< .4	--	419	304	690	7.6	20.08	.8	.0
703	Te	1,137	June 23, 1975	19	--	100	12	36	--	331	60	32	.6	< .4	--	422	299	700	7.5	20.76	.9	.0
703	Te	1,137	July 25, 1975	16	--	104	11	36	--	336	59	32	.5	< .4	--	424	306	685	7.9	20.44	.8	.0
703	Te	1,137	Sept. 26, 1975	19	--	100	13	35	--	336	57	32	.5	< .4	--	422	306	680	7.9	20.08	.8	.0
703	Te	1,137	Oct. 22, 1975	19	--	99	16	35	--	336	65	32	.4	< .4	--	432	312	680	7.9	19.57	.8	.0
703	Te	1,137	Nov. 19, 1975	17	--	99	16	36	--	337	64	32	.4	< .4	--	430	311	689	8.0	20.02	.8	.0

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Bromine (Br)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-77-11-703	Tc	1,137	Dec. 19, 1975	20	--	100	14	35	--	337	61	32	0.4	< 0.4	--	428	308	700	8.2	19.86	0.8	0.0
703	Tc	1,137	July 29, 1976	16	--	95	14	38	--	339	53	31	.4	< .4	--	414	297	675	7.8	21.90	.9	.0
703	Tc	1,137	June 30, 1977	18	--	93	14	43	--	334	65	31	.4	< .4	--	429	289	692	7.7	24.41	1.0	.0
17-105	Tc	618	July 9, 1969	17	--	47	14	61	--	290	36	17	.5	< .4	--	335	174	550	7.7	43.14	2.0	1.2
105	Tc	618	July 11, 1973	15	--	45	13	66	2.0	292	34	21	.4	.5	--	340	165	560	7.7	46.03	2.2	1.4
105	Tc	618	July 10, 1974	15	--	47	11	65	--	290	37	20	.4	.6	--	338	163	547	7.8	46.52	2.2	1.5
105	Tc	618	July 10, 1975	17	--	49	10	65	--	293	34	22	.5	< .4	0.3	342	163	560	7.7	46.39	2.2	1.5
105	Tc	618	July 1, 1977	17	--	47	11	66	--	292	37	20	.4	< .4	--	342	161	556	7.7	46.90	2.2	1.5
18-401	Tc	1,054	Oct. 8, 1946	17	0.3	67	21	45	--	275	63	43	.4	< .4	--	392	254	--	7.1	27.85	1.2	.0
401	Tc	1,054	Jan. 13, 1948	17	.4	63	19	53	--	287	57	39	.5	< .4	--	390	235	--	7.8	32.88	1.5	.0
401	Tc	1,054	Mar. 30, 1955	14	.2	55	15	63	--	275	53	39	.3	< .4	--	375	199	--	7.6	40.78	1.9	.5
401	Tc	1,054	Apr. 9, 1958	--	.3	55	15	47	--	278	46	34	.4	< .4	--	334	200	575	7.6	33.94	1.4	.5
401	Tc	1,054	Apr. 13, 1959	--	.3	53	15	45	--	266	50	34	.3	< .4	--	328	196	637	7.2	33.54	1.4	.4
401	Tc	1,054	July 25, 1960	--	.6	53	17	49	--	275	50	23	.3	< .4	--	327	205	594	7.4	34.52	1.4	.4
401	Tc	1,054	May 11, 1961	--	.4	55	16	53	--	278	45	30	.4	< .4	--	336	203	614	7.5	36.21	1.6	.4
401	Tc	1,054	May 22, 1962	--	.5	52	16	55	--	268	44	34	.3	< .4	--	333	195	600	7.5	37.95	1.7	.4
401	Tc	1,054	May 8, 1963	--	1.8	51	16	54	--	257	42	32	1.1	< .4	--	322	195	633	7.4	37.82	1.6	.3
401	Tc	1,054	May 11, 1964	--	.0	54	14	52	--	270	50	32	.5	< .4	--	336	192	642	7.7	37.03	1.6	.5
401	Tc	1,054	May 14, 1965	--	.2	56	13	52	--	266	47	36	.5	< .4	--	336	196	651	8.0	36.92	1.6	.4
401	Tc	1,054	May 3, 1966	--	.1	56	14	52	--	262	44	31	.3	< .4	--	326	195	627	7.8	36.43	1.6	.3
401	Tc	1,054	June 1, 1967	--	.1	57	13	52	--	270	44	33	.4	< .4	--	332	196	--	7.6	36.62	1.6	.5
401	Tc	1,054	June 14, 1968	--	.4	23	37	53	--	268	49	32	.4	< .4	--	326	209	--	7.8	35.49	1.5	.2
401	Tc	1,054	June 2, 1969	--	.1	59	13	90	--	260	58	89	.2	< .4	--	437	203	--	8.0	49.38	2.7	.2
401	Tc	1,054	June 5, 1970	--	.1	56	14	63	--	264	51	51	.4	< .4	--	365	199	--	8.0	40.98	1.9	.3
401	Tc	1,054	June 4, 1971	--	--	60	15	95	--	266	63	100	.4	< .4	--	464	211	--	7.9	49.43	2.8	.1
401	Tc	1,054	July 3, 1972	--	--	62	16	95	--	266	61	103	.4	< .4	--	468	219	--	7.8	48.37	2.7	.0
401	Tc	1,054	June 5, 1973	--	.2	55	15	55	--	264	46	39	.4	< .4	--	474	199	--	7.6	37.55	1.6	.3
401	Tc	1,054	July 10, 1973	17	--	58	15	94	1.0	266	56	91	.5	< .4	.2	463	209	795	7.5	49.60	2.8	.2
401	Tc	1,054	Oct. 22, 1973	--	2.1	104	16	34	--	344	78	35	.5	< .4	--	620	323	--	7.8	18.52	.8	.0
401	Tc	1,054	July 11, 1974	--	.5	55	14	69	--	267	51	55	.4	< .4	--	510	195	--	7.8	43.51	2.1	.4
401	Tc	1,054	July 12, 1974	17	--	55	13	63	--	266	52	45	.4	< .4	--	376	192	608	7.6	41.81	1.9	.5
401	Tc	1,054	July 10, 1975	19	--	60	11	60	--	268	43	43	.5	< .4	--	368	194	617	7.7	40.10	1.8	.4
401	Tc	1,054	July 15, 1975	--	.5	60	11	68	--	268	49	56	.5	< .4	--	510	197	--	7.7	43.14	2.1	.4

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)	
ZX-77-18-401	Tc	1,054	Oct. 22, 1975	--	0.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
401	Tc	1,054	July 20, 1976	--	.4	57	13	63	--	266	47	50	0.3	< 0.4	--	496	197	--	7.6	41.18	1.9	.4	
401	Tc	1,054	July 21, 1976	19	--	57	12	60	--	267	39	40	.4	< .4	--	359	192	600	7.8	40.52	1.8	.5	
402	Tc	976	July 9, 1969	19	--	45	11	50	--	253	31	19	.5	< .4	--	300	158	496	7.5	40.84	1.7	.9	
402	Tc	976	July 20, 1972	16	--	12	4	81	1.0	178	33	27	.4	< .4	0.2	262	46	413	7.9	78.70	5.1	1.9	
402	Tc	976	July 6, 1977	19	--	48	12	196	--	251	84	221	.4	< .4	--	704	170	1,194	7.7	71.59	6.5	.7	
503	Tc	995	May 13, 1949	24	1.0	66	15	83	--	311	65	59	.4	< .4	--	466	226	--	7.2	44.36	2.3	.5	
503	Tc	995	Aug. 8, 1952	18	--	66	18	90	--	311	77	71	.5	< .4	--	493	239	--	7.5	45.05	2.5	.3	
503	Tc	995	Nov. 23, 1964	--	2.4	60	14	95	--	281	59	91	.4	7.0	--	464	209	900	7.5	49.92	2.8	.4	
503	Tc	995	Aug. 25, 1965	--	.1	42	13	372	--	260	128	462	.7	< .4	--	1,146	161	2,400	7.6	83.64	12.8	1.0	
503	Tc	995	Oct. 15, 1966	--	.0	63	15	66	--	298	62	44	.4	< .4	--	399	225	756	7.5	39.07	1.9	.4	
503	Tc	995	Jan. 16, 1968	--	1.4	56	16	59	--	275	50	46	.4	< .4	--	362	205	700	7.6	38.43	1.7	.3	
503	Tc	995	Jan 13, 1969	--	.0	58	55	1	--	273	52	36	.5	< .4	--	297	208	680	7.8	.58	.0	.0	
503	Tc	995	July 20, 1972	21	.4	60	17	82	1.0	276	60	73	.4	< .4	.3	451	220	717	7.6	44.67	2.4	.1	
510	Tc	950	Aug. 23, 1938	15	.4	64	18	65	--	305	64	42	.4	< .4	--	419	234	--	7.4	37.69	1.8	.3	
510	Tc	950	Sept. 15, 1939	17	1.4	60	13	78	--	301	63	43	.4	< .4	--	424	--	--	7.6	45.50	2.3	.8	
510	Tc	950	Feb. 2, 1941	17	.6	63	17	72	--	317	65	39	.6	< .4	--	430	227	--	7.7	40.81	2.0	.6	
510	Tc	950	Dec. 9, 1942	20	1.1	63	17	66	--	299	65	41	.4	.7	--	421	227	--	7.8	38.73	1.9	.3	
510	Tc	950	Jan. 8, 1945	19	.3	64	19	61	--	296	64	43	.2	< .4	--	416	238	--	7.5	35.81	1.7	.0	
510	Tc	950	Oct. 19, 1946	18	--	72	19	64	1.0	293	78	53	.1	< .4	--	449	258	--	7.1	34.95	1.7	.0	
510	Tc	950	July 11, 1947	17	.2	66	18	45	--	299	72	11	.5	< .4	--	377	239	--	7.8	29.08	1.2	.1	
510	Tc	950	Mar. 7, 1953	22	.2	51	16	204	--	51	16	227	.5	< .4	--	562	193	--	7.8	69.68	6.3	.0	
510	Tc	950	Apr. 24, 1954	14	.1	36	26	157	--	281	85	156	.3	< .4	--	612	197	--	7.3	63.44	4.8	.6	
510	Tc	950	Aug. 26, 1955	19	.9	53	15	137	--	268	66	144	.4	< .4	--	567	194	--	7.9	60.57	4.2	.5	
510	Tc	950	Sept. 8, 1956	--	.0	64	15	65	--	293	62	42	.4	< .4	--	459	224	--	7.7	38.97	1.9	.3	
510	Tc	950	Aug. 23, 1962	--	.6	60	20	86	--	278	63	82	.3	< .4	--	448	234	830	7.6	44.64	2.4	.0	
510	Tc	950	Sept. 3, 1963	--	.1	58	16	70	--	283	55	557	.4	< .4	--	390	211	750	7.4	41.97	2.0	.4	
510	Tc	950	Nov. 20, 1964	--	.1	60	15	60	--	281	52	44	.4	< .4	--	369	214	724	7.4	38.17	1.7	.3	
510	Tc	950	Aug. 25, 1965	--	.0	61	14	58	--	279	52	44	.4	< .4	--	366	212	728	7.5	37.55	1.7	.3	
510	Tc	950	Oct. 15, 1966	--	.0	55	15	67	--	278	52	47	.4	< .4	--	373	198	704	7.6	42.28	2.0	.5	
510	Tc	950	Jan. 16, 1968	--	.8	56	16	57	--	275	51	41	.4	< .4	--	356	207	688	7.6	37.62	1.7	.3	
510	Tc	950	Jan. 13, 1969	--	1.9	58	15	60	--	276	52	44	.4	< .4	--	365	209	725	7.8	38.73	1.8	.3	
511	Tc	900	Dec. 9, 1942	31	.3	63	17	58	--	293	64	34	.6	.7	--	412	227	--	7.9	35.71	1.6	.2	

ZAVALA COUNTY

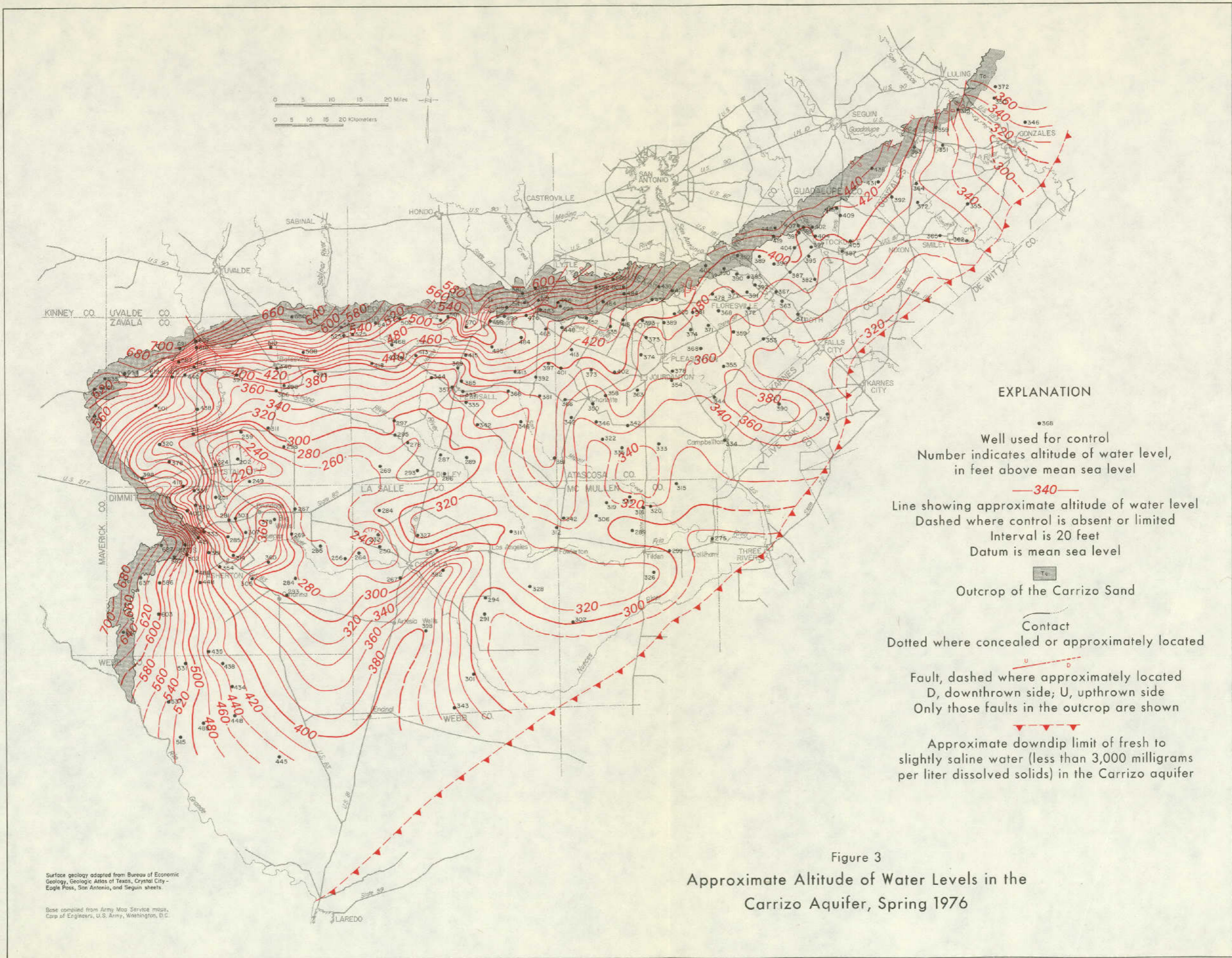
Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-77-18-511	Te	900	Jan. 8, 1945	20	0.4	64	19	60	--	293	64	43	0.2	< 0.4	--	415	238	--	7.5	35.43	1.6	0.0
511	Te	900	Oct. 18, 1946	21	.1	67	16	62	--	293	70	39	.1	< .4	--	419	233	--	7.1	36.66	1.7	.1
511	Te	900	July 11, 1947	18	.2	67	18	61	--	293	69	43	.4	< .4	--	421	241	--	7.8	35.48	1.7	.0
511	Te	900	May 13, 1949	21	.6	66	15	106	--	293	78	96	.4	< .4	--	527	227	--	7.3	50.45	3.0	.2
511	Te	900	Aug. 8, 1952	19	.2	63	18	65	--	293	64	46	.3	< .4	--	419	231	--	7.5	37.94	1.8	.1
511	Te	900	Mar. 3, 1953	17	.1	62	18	52	--	293	58	28	.5	< .4	--	380	229	--	7.4	33.08	1.4	.2
511	Te	900	Apr. 24, 1954	20	.2	32	32	73	--	293	67	43	.4	< .4	--	412	212	--	7.4	42.88	2.1	.5
511	Te	900	Aug. 26, 1955	15	.1	59	20	62	--	287	61	46	.4	< .4	--	405	229	--	7.8	37.01	1.7	.1
511	Te	900	Oct. 21, 1957	--	.2	56	26	57	--	298	75	40	.4	< .4	--	401	250	660	7.2	33.45	1.5	.0
511	Te	900	Nov. 17, 1958	--	.2	57	16	58	--	296	47	36	.3	< .4	--	360	208	632	7.6	37.75	1.7	.6
511	Te	900	July 20, 1959	10	.2	58	15	60	--	278	64	40	.3	< .4	--	384	207	565	7.1	38.73	1.8	.4
511	Te	900	Nov. 10, 1960	--	.1	56	18	60	--	281	54	35	.2	< .4	--	361	213	649	7.3	37.91	1.7	.3
511	Te	900	July 21, 1961	--	.1	56	15	62	--	276	57	36	.2	< .4	--	362	203	652	7.1	40.10	1.9	.4
511	Te	900	Aug. 23, 1962	--	.1	56	16	60	--	279	56	35	.3	< .4	--	360	203	660	7.5	38.83	1.8	.4
511	Te	900	Nov. 23, 1964	--	.3	60	15	60	--	281	53	44	.4	< .4	--	370	209	724	7.4	38.17	1.7	.3
511	Te	900	Aug. 25, 1965	--	.0	60	15	56	--	276	50	37	.4	< .4	--	354	213	688	7.5	36.55	1.6	.2
511	Te	900	Oct. 15, 1966	--	.0	60	14	58	--	282	54	37	.4	< .4	--	362	206	688	7.5	37.83	1.7	.4
511	Te	900	Jan. 16, 1968	--	.1	56	15	55	--	273	49	38	.4	< .4	--	347	202	676	7.6	37.26	1.6	.4
511	Te	900	Jan. 13, 1969	--	.1	80	1	52	--	276	49	32	.5	< .4	--	350	200	660	7.6	35.69	1.5	.4
512	Te	1,000	Nov. 17, 1948	--	.2	50	14	54	--	262	36	29	.4	< .4	--	312	184	562	7.5	39.18	1.7	.6
512	Te	1,000	May 13, 1949	20	.2	56	14	64	--	275	46	44	.4	< .4	--	380	197	--	7.1	41.36	1.9	.5
512	Te	1,000	Aug. 8, 1952	15	.3	62	16	85	--	299	77	57	.6	< .4	--	460	221	--	7.5	45.60	2.4	.4
512	Te	1,000	Mar. 7, 1953	21	.3	49	13	75	--	275	47	46	.5	< .4	--	387	176	--	7.3	48.14	2.4	.9
512	Te	1,000	Apr. 24, 1954	14	.1	37	21	75	--	21	53	43	.3	< .4	--	254	179	--	7.5	47.72	2.4	.0
512	Te	1,000	Aug. 26, 1955	14	.1	50	17	60	--	275	47	36	.4	< .4	--	360	195	--	7.6	40.13	1.8	.6
512	Te	1,000	Sept. 8, 1956	--	.1	52	12	55	--	260	38	28	.2	< .4	--	353	182	--	--	40.04	1.7	.6
512	Te	1,000	Oct. 21, 1957	--	.3	50	12	68	--	276	61	33	.4	< .4	--	360	175	600	7.2	45.93	2.2	1.0
512	Te	1,000	July 20, 1959	10	.2	50	14	53	--	261	46	26	.3	< .4	--	328	182	590	7.3	38.73	1.7	.6
512	Te	1,000	Oct. 10, 1960	--	.2	50	15	53	--	262	41	28	.2	< .4	--	316	188	584	7.4	38.20	1.6	.5
512	Te	1,000	July 21, 1961	--	.1	49	14	57	--	260	46	31	.2	< .4	--	325	179	590	7.0	40.80	1.8	.6
512	Te	1,000	Aug. 23, 1962	--	.1	49	13	53	--	264	44	30	.3	< .4	--	319	177	652	7.7	39.61	1.7	.8
512	Te	1,000	Sept. 6, 1963	--	.2	58	15	161	--	275	77	181	.4	< .4	--	627	205	1,230	7.5	62.91	4.8	.3
512	Te	1,000	Nov. 20, 1964	--	.1	52	13	55	--	266	40	33	.4	< .4	--	324	183	640	7.4	39.50	1.7	.6

ZAVALA COUNTY

Table 4.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	Depth of well	Date of sample	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)
ZX-77-18-512	Tc	1,000	Aug. 25, 1965	--	0.0	51	14	55	--	262	38	30	0.4	< 0.4	--	317	184	615	7.5	39.29	1.7	0.5
512	Tc	1,000	Oct. 15, 1966	--	.4	62	14	61	--	285	59	40	.4	< .4	--	376	211	704	7.5	38.46	1.8	.4
512	Tc	1,000	Jan. 16, 1968	--	.3	56	15	89	--	278	48	81	.4	< .4	--	426	201	845	7.6	49.00	2.7	.5
512	Tc	1,000	Jan. 13, 1969	--	.1	50	12	52	--	264	39	26	.4	< .4	--	309	176	600	7.8	39.38	1.7	.3
713	Tb	292	Dec. 18, 1974	10	--	143	41	1,930	--	214	1,180	2,400	1.7	< .4	--	5,811	530	7,450	7.6	88.87	36.6	.0
77-20-101	Tc	4,698	Feb. 24, 1965	18	--	29	11	90	--	309	28	26	.4	< .4	--	354	119	593	7.8	62.47	3.6	2.7
101	Tb	4,698	July 10, 1974	17	--	36	11	88	--	288	52	24	.5	< .4	--	370	134	591	7.8	58.63	3.2	2.0
101	Tc	4,698	July 8, 1975	19	--	40	9	83	--	294	44	24	.5	< .4	--	364	137	600	7.8	56.88	3.0	2.0
101	Tc	4,698	July 26, 1976	15	--	37	9	83	6.0	293	44	26	.4	< .4	--	364	129	584	7.9	56.85	3.1	2.2
101	Te	4,698	June 30, 1977	17	--	40	9	86	--	294	51	24	.4	< .4	--	372	137	596	7.9	57.75	3.1	2.0

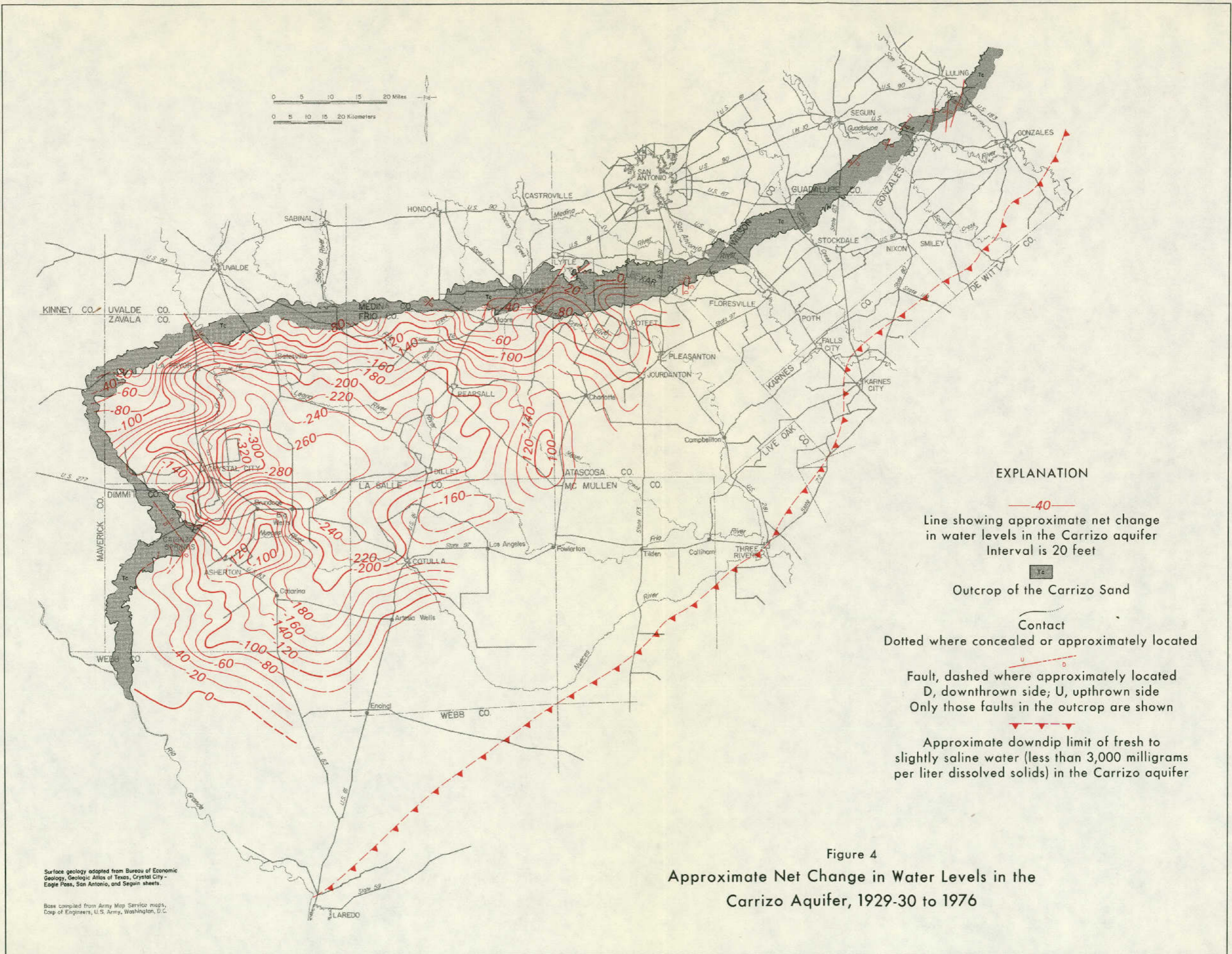


EXPLANATION

- 366
Well used for control
Number indicates altitude of water level,
in feet above mean sea level
- 340 —
Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is 20 feet
Datum is mean sea level
- Outcrop of the Carrizo Sand
- Contact
Dotted where concealed or approximately located
- D — U —
Fault, dashed where approximately located
D, downthrown side; U, upthrown side
Only those faults in the outcrop are shown
- ▲▲▲▲
Approximate downdip limit of fresh to
slightly saline water (less than 3,000 milligrams
per liter dissolved solids) in the Carrizo aquifer

Figure 3
Approximate Altitude of Water Levels in the
Carrizo Aquifer, Spring 1976

Surface geology adapted from Bureau of Economic Geology, Geologic Atlas of Texas, Crystal City-Eagle Pass, San Antonio, and Seguin sheets.
Base compiled from Army Map Service maps, Corp of Engineers, U.S. Army, Washington, D.C.



EXPLANATION

- 40—
Line showing approximate net change in water levels in the Carrizo aquifer
Interval is 20 feet
- Tc**
Outcrop of the Carrizo Sand
- Contact**
Dotted where concealed or approximately located
- Fault, dashed where approximately located**
D, downthrown side; U, upthrown side
Only those faults in the outcrop are shown
- Approximate downdip limit of fresh to slightly saline water (less than 3,000 milligrams per liter dissolved solids) in the Carrizo aquifer**

Figure 4
Approximate Net Change in Water Levels in the Carrizo Aquifer, 1929-30 to 1976

Surface geology adapted from Bureau of Economic Geology, Geologic Atlas of Texas, Crystal City - Eagle Pass, San Antonio, and Seguin sheets.

Base compiled from Army Map Service maps, Corp. of Engineers, U.S. Army, Washington, D.C.

October 18th 1878

Dear Sir

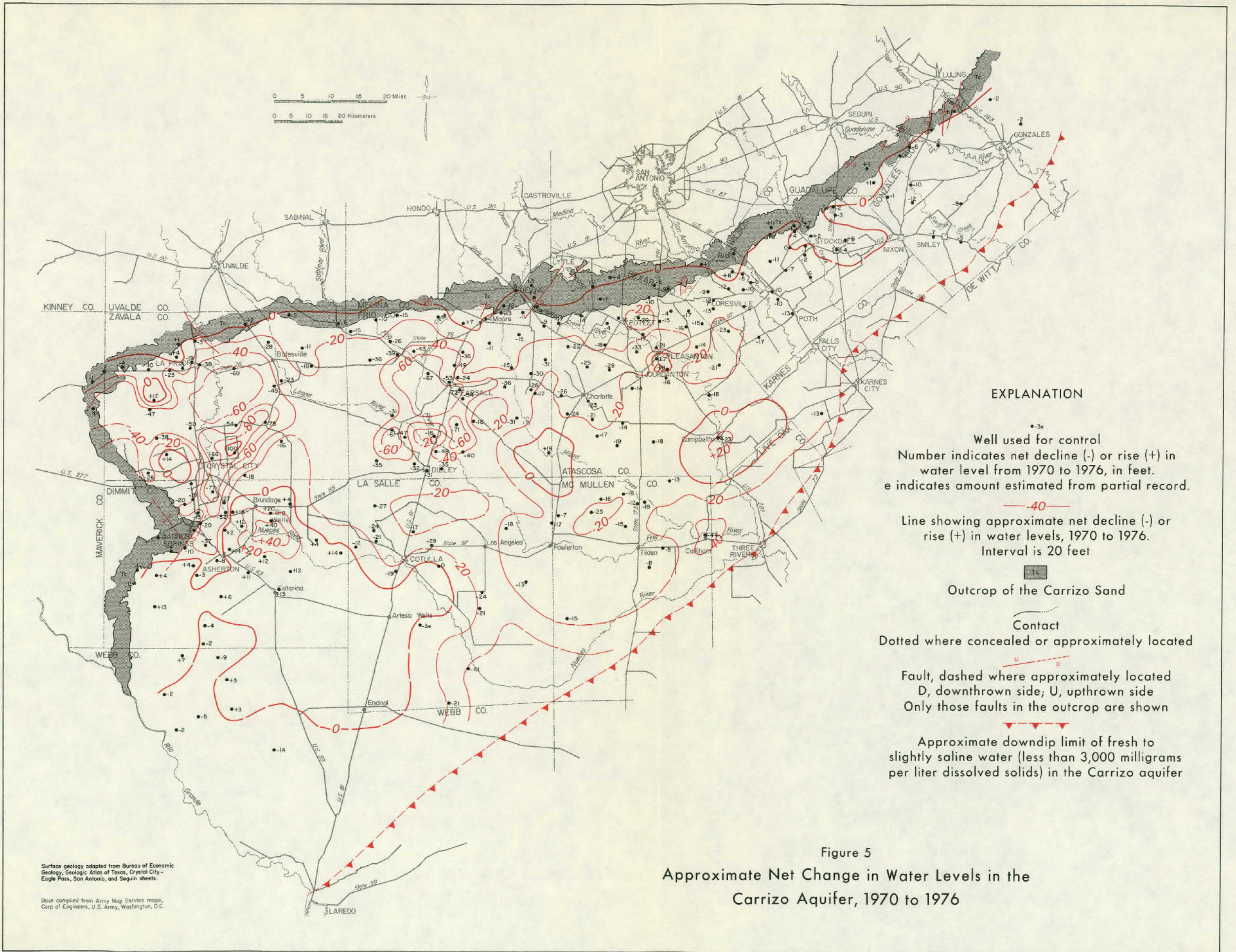
I have the honor to acknowledge the receipt of your letter of the 14th inst.

and in reply to inform you that the same has been forwarded to the proper authorities.

I am, Sir, very respectfully,
Your obedient servant,
J. H. [Name]

I am, Sir, very respectfully,
Your obedient servant,
J. H. [Name]

Yours truly,
J. H. [Name]



EXPLANATION

●-3e
Well used for control
Number indicates net decline (-) or rise (+) in water level from 1970 to 1976, in feet.
e indicates amount estimated from partial record.

—40—
Line showing approximate net decline (-) or rise (+) in water levels, 1970 to 1976.
Interval is 20 feet

■
Outcrop of the Carrizo Sand

—
Contact
Dotted where concealed or approximately located

— U — D —
Fault, dashed where approximately located
D, downthrown side; U, upthrown side
Only those faults in the outcrop are shown

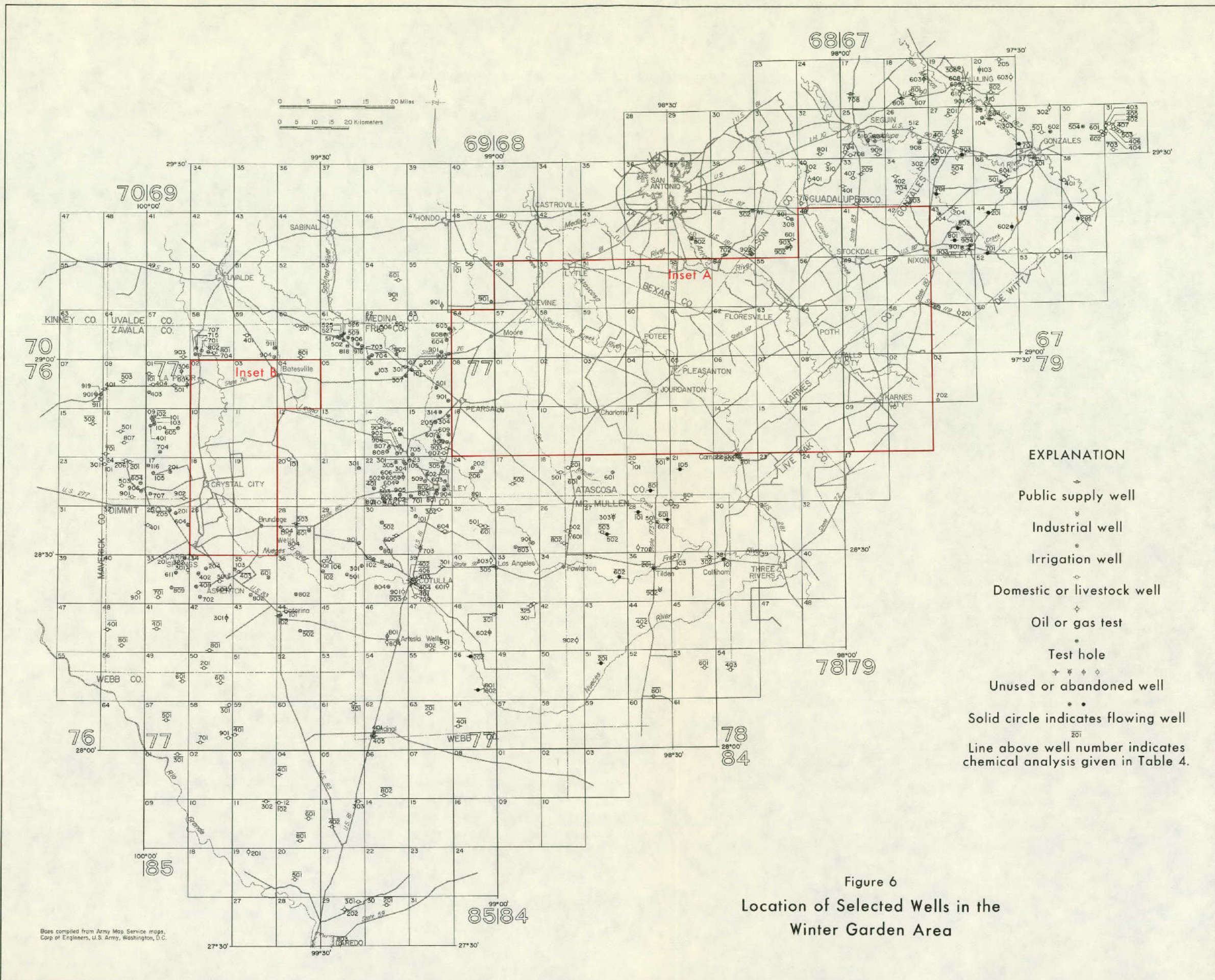
▲▲▲▲
Approximate downdip limit of fresh to slightly saline water (less than 3,000 milligrams per liter dissolved solids) in the Carrizo aquifer

Figure 5

Approximate Net Change in Water Levels in the Carrizo Aquifer, 1970 to 1976

Surface geology adapted from Bureau of Economic Geology, Geologic Atlas of Texas, Crystal City-Eagle Pass, San Antonio, and Seguin sheets.

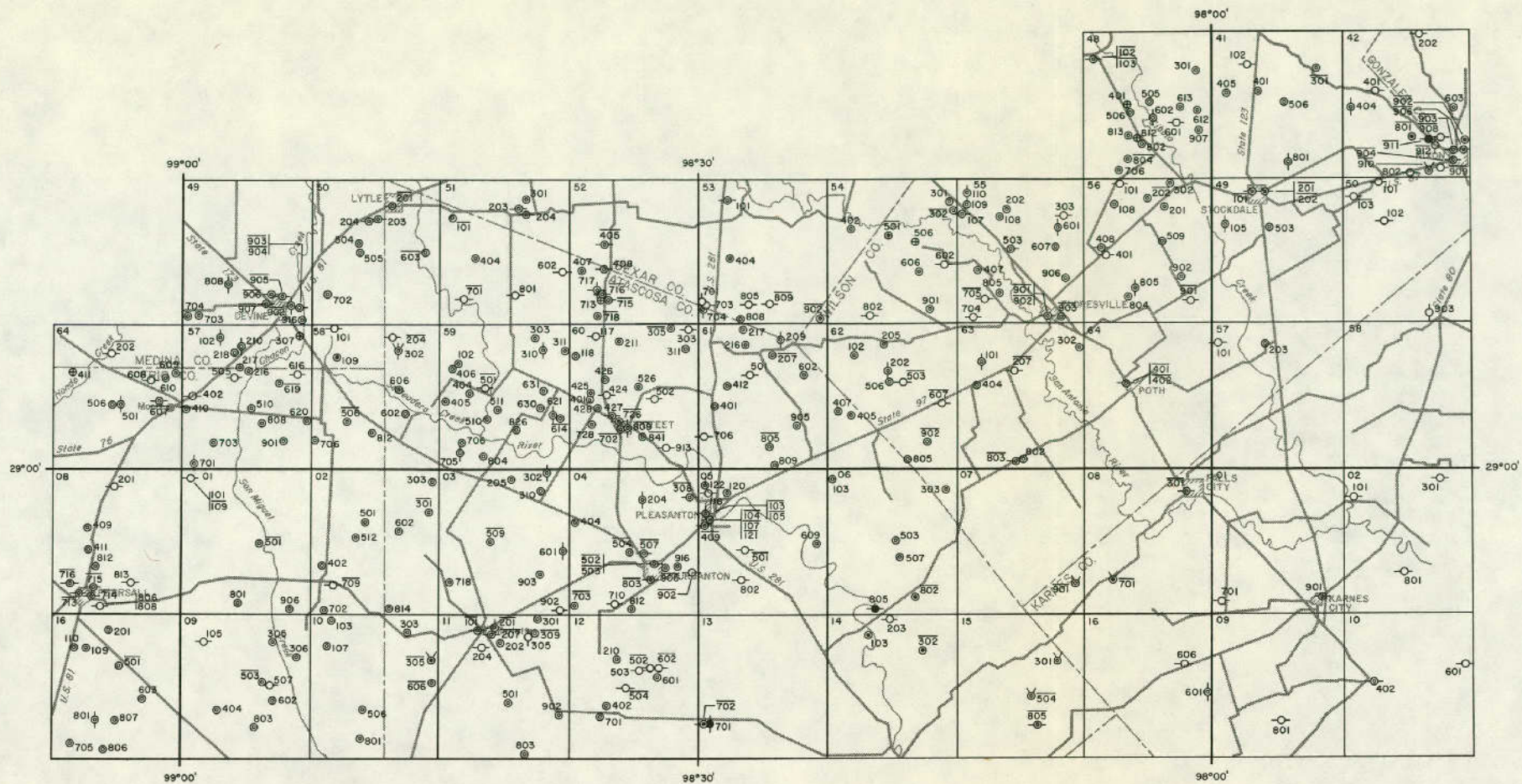
Base compiled from Army Map Service maps, Corp of Engineers, U.S. Army, Washington, D.C.



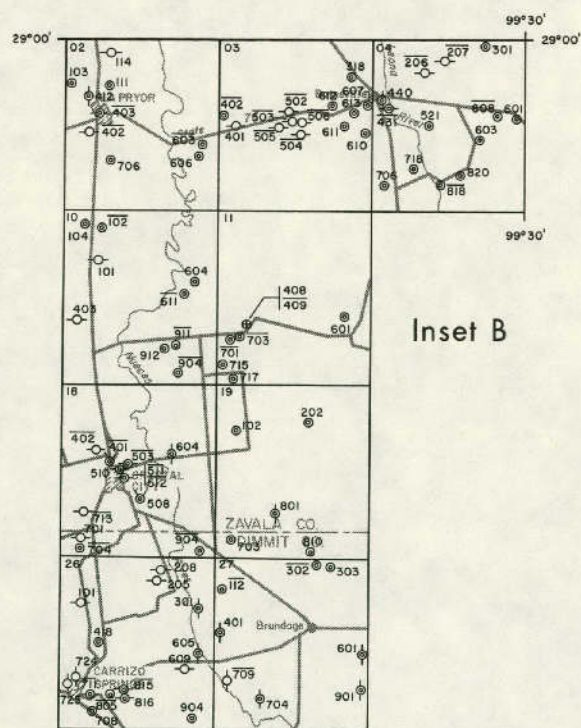
- EXPLANATION**
- Public supply well
 - ⊙ Industrial well
 - ⊙ Irrigation well
 - ⊙ Domestic or livestock well
 - ⊙ Oil or gas test
 - ⊙ Test hole
 - ⊙ Unused or abandoned well
 - Solid circle indicates flowing well
 - 201
Line above well number indicates chemical analysis given in Table 4.

Figure 6
 Location of Selected Wells in the
 Winter Garden Area

Base compiled from Army Map Service maps,
 Corps of Engineers, U.S. Army, Washington, D.C.



Inset A



Inset B

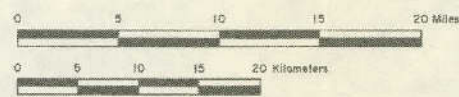


Figure 6 Continued

