Report 301

Records of Wells, Water Levels, Pumpage, and Chemical Analyses From Selected Wells in Parts of the Trans-Pecos Region, Texas 1968-1980

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TEXAS WATER DEVELOPMENT BOARD

REPORT 301

The following wells have been renumbered due to respoting of locations on topographic maps:

County	Well numbers used in this report	Equivalent well numbers used in agency files
Pecos	4543802	4543903
"	4543803	4543904
"	4543902	4544701
"	4551301	4552105
"	4552402	4552503
"	4663601	4663902
"	4663101	4662301
"	4663901	4663802
"	5216301	5216201
"	5216601	5216501
"	5216604	5216502
"	5216901	5216503
"	5301704	5309102
"	5301803	5301907
"	5301904	5309304
"	5301905	5309305
"	5305901	5306702
"	5307104	4563803
"	5309702	5216905
"	5418402	5418502
Ward	4517801	4525204
Reeves	4646207	4646212

The following well numbers in Ward County are duplicates of other wells and should be ignored:

46-24-709
46-24-710
46-32-617
46-32-618
45-33-714

TEXAS WATER DEVELOPMENT BOARD

REPORT 301

RECORDS OF WELLS, WATER LEVELS, PUMPAGE, AND CHEMICAL ANALYSES FROM SELECTED WELLS IN PARTS OF THE TRANS-PECOS REGION, TEXAS 1968-1980

By

R. W. Rees, Geologist

August 1987

TEXAS WATER DEVELOPMENT BOARD

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FOREWORD

Effective September 1, 1985, the Texas Department of Water Resources was divided to form the Texas Water Commission and the Texas Water Development Board. A number of publications prepared under the auspices of the Department are being published by the Texas Water Development Board. To minimize delays in producing these publications, references to the Department will not be altered except on their covers and title pages.

ABSTRACT

This report updates and expands Texas Water Development Board Report 114, first published in 1970. It presents data on aquifers that range in age from lower Permian Victorio Peak Limestone to Tertiary volcanics and Quarternary alluvium.

Water quality varies from fresh to brine with reported dissolved solids content ranging from as low as 200 to over 100,000 mg/l. The largest reported well yield was 4,400 gal/min. This well pumped from the Rustler Formation in the Belding area, southwest of Fort Stockton in Pecos County.

Estimated pumpage for the years 1958, 1964, 1969, 1974, and 1979 averaged about 742,800 acre-feet per year, 93.9 percent of which was used for irrigation. During the 1969-79 decade, irrigation pumpage decreased about 36 percent, and in those areas where irrigation has been curtailed because of sharply increased pumping costs, water levels are rising.

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INTRODUCTION

This report covers a large segment of the Trans-Pecos region of West Texas and includes all or parts of Brewster, Crane, Culberson, Hudspeth, Jeff Davis, Loving, Pecos, Presidio, Reeves, Terrell, Ward, and Winkler Counties. The limits of the study area are shown on Figure 1. This area had an estimated population of approximately 90,000 in 1980 which represented about 0.7 percent of the State's population.

The purpose of this report is to present current information on water-level measurements and water-quality analyses for all municipal and industrial wells as well as for selected irrigation wells within the study area. Originally, the study was designed to update Texas Water Development Board Report 114, entitled, "Records of Water Levels and Chemical Analyses From Selected Wells in Parts of the Trans-Pecos Region, Texas, 1965-68." This involved the remeasuring and resampling of as many wells as possible which were listed in that report. Subsequently, the study was expanded to include the inventory of additional selected irrigation wells and all industrial and municipal wells within the remaining portion of the study area.

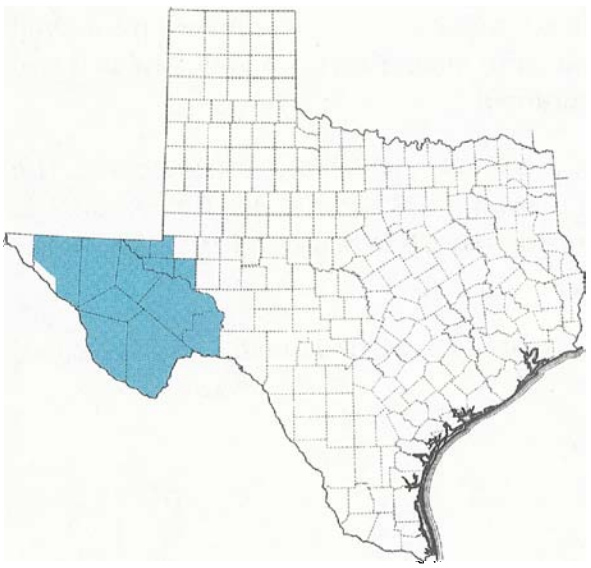


Figure 1.—Location of Study Area

Due to the expansion of the original study area, data on numerous wells previously inventoried were updated, and new wells were also added. This included wells in Report 259 of the Texas Department of Water Resources, entitled "Ground-Water Data for the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson in Westernmost Texas." Other publications containing wells included in this report are listed in the selected references. Table 5 contains the records of wells not appearing in previously published reports. Also included are selected previously inventoried wells where pertinent. The locations of these wells are shown on Figure 6. Figures 7 through 15 are maps applicable to the various aquifers. Most of the current water-level data and

recent water samples were collected by Texas Department of Water Resources personnel during the period 1978-1981.

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

PREVIOUS INVESTIGATIONS

Numerous previous investigations of the ground-water resources of the counties included in this report were conducted mainly by the U.S. Geological Survey and the Texas Department of Water Resources and its predecessor agencies. These are listed in the selected references.

WELL-NUMBERING SYSTEM

Well numbers used in Texas are part of a statewide well-numbering system adopted by the Texas Department of Water Resources. This system is based on the division of the State into quadrangles formed by degrees of latitude and longitude, and the repeated division of these quadrangles into smaller ones as shown on Figure 2.

The State has been divided into eighty-nine 1-degree quadrangles. The first two digits of the seven digit well number indicates in which 1-degree quadrangle the well is located. Each 1-degree quadrangle has been divided into sixty-four 7½-minute quadrangles. These are represented by the second pair of digits in the well number. The 7½-minute quadrangles are numbered from left to right starting in the upper left corner of the 1-degree quadrangle. The 1-degree and 7½-minute quadrangles are shown on the well location map.

The 7½-minute quadrangles are further divided into nine 2½-minute quadrangles. These are represented by the fifth digit of the well number. The 2½-minute quadrangles are also numbered from left to right starting in the upper left corner. These numbers are not shown on the well location maps, but comprise the first of the three digits that appear on each well. The last two digits are the well number within the 2½-minute quadrangle.

Also, each county has a 2-letter prefix to identify the county in which the well is located. The letter prefixes for the counties in the study area are: Brewster, BK; Crane, HH; Culberson, HL; Hudspeth, PD; Jeff Davis, PS; Loving, SL; Pecos, US; Presidio, UW; Reeves, WD; Terrell, XX; Ward, YX; and Winkler, ZP.

Using well PD-48-15-201 in Hudspeth County as an example, we find that the well is located as follows:

48	15	2	01
1-degree quadrangle number 48	7½-minute quadrangle number 15 in the 1-degree quadrangle number 48	2½-minute quadrangle number 2 in the 7½-minute quadrangle number 15	well number 1 in the 2½-minute quadrangle number 2

METRIC CONVERSIONS AND ADDITIONAL TERMS DEFINED

The table below gives factors for converting from the English units of measurement employed in this report to the metric equivalents in the International System of Units.

From English units	Multiply by	To obtain metric units
inches (in)	2.54	centimeters (cm)
feet (ft)	0.3048	meters (m)
miles (mi)	1.609	kilometers (km)
square miles (mi^2)	2.590	square kilometers (km^2)
cubic feet per second (ft^3/s)	0.02832	cubic meters per second (m^3/s)
gallons per minute (gal/min)	0.06309	liters per second (l/s)
gallons per day (gal/d)	3.785	liters per day (l/d)
million gallons per day (million gal/d)	3.785	million liters per day (million l/d)
million gallons per day (million gal/d)	0.04381	cubic meters per second (m^3/s)
acre-feet	0.001233	cubic hectometers (hm^3)

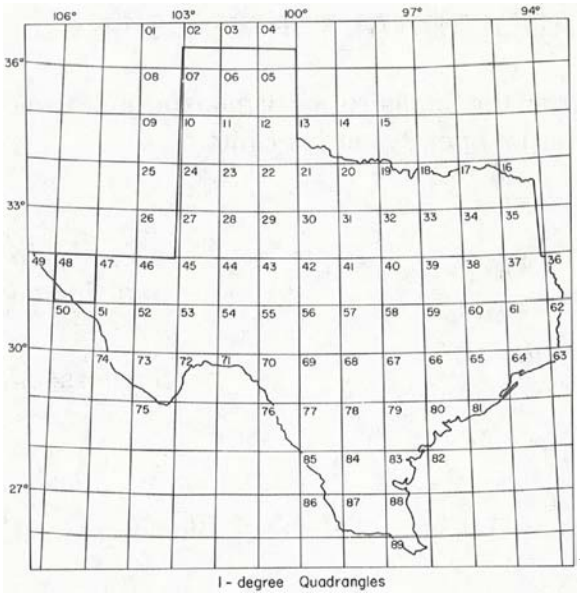
To convert degrees Fahrenheit to degrees Celsius, use the following formula: °C = 0.556 (°F-32)

For the purpose of this report, the classification of ground-water quality is described as follows:

Fresh—less than 1,000 mg/l (milligrams per liter) dissolved solids

Slightly saline—1,000 to 3,000 mg/l dissolved solids

Moderately saline—3,000 to 10,000 mg/l dissolved solids



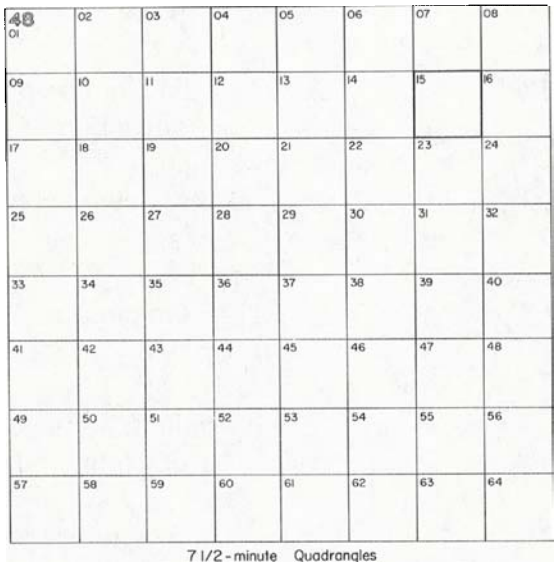
Location of Well 48-15-201

48 1 - degree quadrangle

15 7 1/2 - minute quadrangle

2 2 1/2 - minute quadrangle

01 Well number within 2 1/2-minute quadrangle



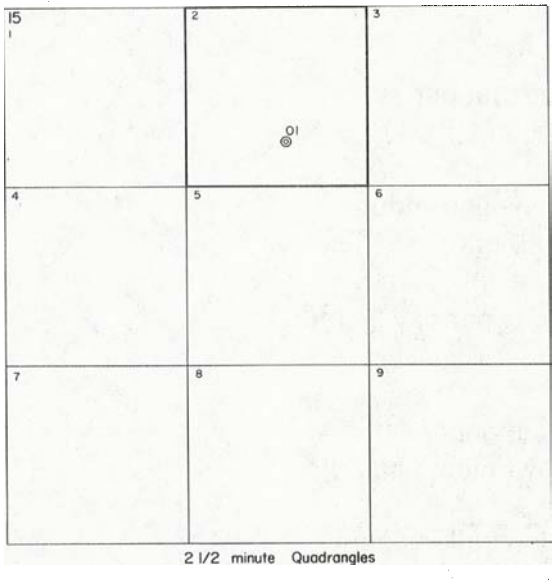


Figure 2.—Well-Numbering System

Very saline—10,000 to 35,000 mg/l dissolved solids

Brine—more than 35,000 mg/l dissolved solids

Additionally, well yields are categorized and described as follows:

Small—less than 100 gal/min (gallons per minute)

Moderate—100 to 1,000 gal/min

Large—more than 1,000 gal/min

PUMPAGE DATA

Data presented on Table 1 show the total estimated ground-water pumpage, by counties, during each of the years 1958, 1964, 1969, 1974, and 1979. Estimated pumpage during the 5 reported years averaged about 742,800 acre-feet per year and was used as follows: 93.9 percent for irrigation; 2.4 percent for public supply; 2.3 percent for industrial purposes; 1 percent for livestock watering; and 0.4 percent for domestic purposes.

Compared with 1969, pumpage in 1979 for irrigation increased between 47 and 63 percent in Culberson, Hudspeth, Jeff Davis, and Presidio Counties and decreased between 11 and 81 percent in Pecos, Reeves, Terrell, Ward, and Winkler Counties. Overall, irrigation pumpage decreased about 36 percent from 1969 to 1979, presumably because of the large decreases in irrigation in Pecos and Reeves Counties as a result of the substantial increases in pumping costs.

AQUIFERS

Aquifers included in this study are: Alluvium and bolson deposits in the Salt Bolson and its subareas, in the Red Light Draw Bolson, and in the Presidio and Redford Bolsons in the western part of the study area, and the Cenozoic Alluvium in the upper portion of the Pecos River valley in the eastern part of the study area (Figures 3A, 3B, and 4); Bone Spring-Victorio Peak Limestones in the Dell City area of the Salt Bolson (Figure 3C); Capitan Limestone where it underlies the Salt Bolson deposits in the Diablo Farms area along the Hudspeth-Culberson County line and where the limestone crops out in the Apache Mountains of southeastern Culberson County (Figure 3C); Rustler Formation in eastern Culberson, southwestern Reeves, northern Jeff Davis, and western Pecos Counties (Figure 3C); Santa Rosa Sandstone in the eastern part of the study area, mainly in Loving, Winkler, Ward, and Crane Counties (Figure 3C); and the Edwards-Trinity (Plateau) aquifer in eastern Culberson, most of Reeves, Pecos, and Terrell Counties and also in the northeastern parts of Jeff Davis and Brewster Counties (Figure 3A). In the report area, most of the ground-water production from Tertiary volcanics occurs in Jeff Davis, Presidio, Brewster, and southern Reeves Counties (Figure 15). Table 2 summarizes the general water-bearing characteristics of the aquifers discussed. The table also includes approximate well yields and general quality of ground water found in the hydrologic units.

Major subsurface structural features of the Trans-Pecos region applicable to this report are shown on Figure 5. Additionally, wells used for control in the evaluation of the aquifers are shown in the well location map (Figure 6).

Alluvium and Bolson Deposits

The alluvium and bolson aquifers consist, for the most part, of hydrologically connected unconsolidated gravel, sand, silt, clay, and caliche, which have thicknesses ranging from slightly less than 30 to more than 1,250 feet. Water from these water-bearing units varies widely in quality and ranges from fresh to saline. The dissolved-solids content ranges from less than 500 to as high as 13,000 mg/l.

Table 1.—Total Estimated Ground-Water Pumpage by Selected Years

(Water use, in acre-feet)

Year	Public supply	Industrial	Irrigation	Domestic	Livestock[1]	Approximate total water use, by year
			Brewster County			
1979	1,303.4	1.5	311.0	147.0	946.0	2,708.9
1974	1,706.3	—	130.0	151.0	946.0	2,933.3
1969	1,260.4	18.4	.0	151.0	946.0	2,375.8
1964	1,192.6	—	50.0	117.0	946.0	2,305.6
1958	552.4	—	.0	117.0	946.0	1,615.4
			Crane County			
1979	1,037.7	2,011.0	.0	130.0	136.0	3,314.7
1974	926.0	1,465.1	.0	109.0	136.0	2,636.1
1969	760.8	1,614.4	.0	84.0	136.0	2,595.2
1964	668.7	2,175.0	.0	33.0	136.0	3,012.7
1958	473.3	1,858.8	.0	66.0	136.0	2,534.1
			Culberson County			
1979	497.2	477.4	46,885.0	101.0	416.0	48,376.6
1974	646.2	483.1	28,935.0	211.0	416.0	30,691.3
1969	557.7	2,108.3	31,861.0	134.0	416.0	35,077.0
1964	423.6	407.8	24,512.0	99.0	416.0	25,858.4
1958	170.1	310.7	29,176.0	100.0	416.0	30,172.8
			Hudspeth County[2]			
1979	466.2	1.1	150,137.0	352.0	473.0	151,429.3
1974	429.9	—	137,734.0	319.0	473.0	138,955.9
1969	158.6	—	91,955.0	336.0	473.0	92,922.6
1964	152.8	—	113,024.0	445.0	473.0	114,094.8
1958	168.6	—	85,956.0	500.0	473.0	87,097.6
			Jeff Davis County			
1979	479.7	—	12,329.0	46.0	728.0	13,582.7
1974	326.1	—	692.0	84.0	728.0	1,830.1
1969	58.2	—	2,068.0	84.0	728.0	2,938.2
1964	1.6	—	2,543.0	84.0	728.0	3,356.6
1958	—	—	3,159.0	87.0	728.0	3,974.0
			Loving County			
1979	—	22.7	.0	16.0	100.0	138.7
1974	—	128.0	.0	16.0	100.0	244.0
1969	—	152.9	.0	16.0	100.0	268.9
1964	.9	402.0	.0	16.0	100.0	518.9
1958	—	—	.0	16.0	100.0	116.0
			Pecos County			
1979	4,008.8	8,051.5	91,226.0	650.0	1,227.0	105,163.3
1974	3,509.4	4,891.1	177,455.0	537.0	1,227.0	187,619.5
1969	3,407.9	9,132.2	192,556.0	554.0	1,227.0	206,877.1
1964	2,767.4	1,422.5	362,405.0	604.0	1,227.0	368,425.9
1958	1,907.8	1,063.1	328,015.0	672.0	1,227.0	332,884.9

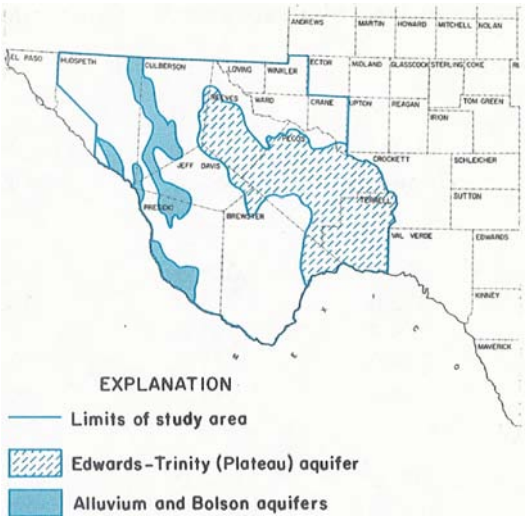
Table 1.—Total Estimated Ground-Water Pumpage by Selected Years—Continued

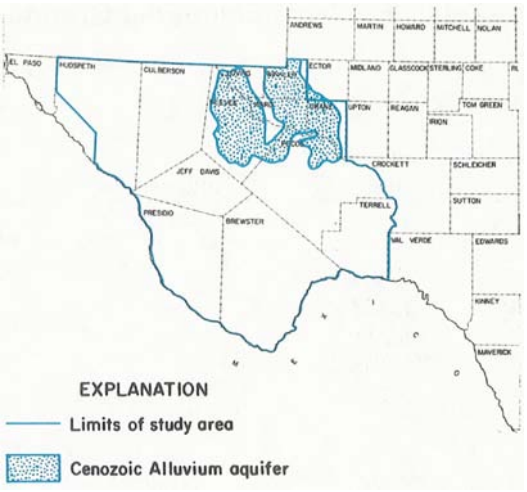
(Water use, in acre-feet)

Year	Public supply	Industrial	Irrigation	Domestic	Livestock[1]	Approximate total water use, by year
			Presidio County			
1979	1,054.9	—	8,317.0	202.0	1,041.0	10,614.9
1974	1,033.2	—	7,909.0	319.0	1,041.0	10,302.2
1969	1,241.2	—	5,520.0	319.0	1,041.0	8,121.2
1964	1,205.9	—	4,415.0	336.0	1,041.0	6,997.9
1958	758.5	.3	4,199.0	336.0	1,041.0	6,334.8
			Reeves County			
1979	3,681.7	8,092.9	109,453.0	386.0	1,500.0	123,113.6
1974	3,172.1	8,654.9	303,162.0	537.0	1,500.0	317,026.0
1969	2,761.2	526.0	327,376.0	554.0	1,500.0	332,717.2
1964	2,416.6	—	402,017.0	655.0	1,500.0	406,588.6
1958	2,326.0	.7	335,168.0	528.0	1,500.0	339,522.7
			Terrell County			
1979	308.8	38.1	489.0	51.0	500.0	1,386.9
1974	248.1	36.2	257.0	84.0	500.0	1,125.3
1969	199.9	29.4	1,005.0	50.0	500.0	1,784.3
1964	181.9	17.3	.0	41.0	500.0	740.2
1958	115.4	—	.0	50.0	500.0	665.4
			Ward County			
1979	10,558.5	3,307.0	2,436.0	294.0	169.0	16,764.5
1974	10,001.2	7,490.0	12,397.0	319.0	169.0	30,376.2
1969	2,919.0	3,900.2	13,049.0	285.0	169.0	20,322.2
1964	2,594.8	3,486.3	16,700.0	168.0	169.0	23,118.1
1958	2,251.7	2,582.1	5,051.0	185.0	169.0	10,238.8
			Winkler County			
1979	2,299.7	793.1	4,797.0	142.0	116.0	8,147.8
1974	2,319.2	1,071.2	3,466.0	125.0	116.0	7,097.4
1969	2,320.7	1,470.0	5,382.0	126.0	116.0	9,414.7
1964	2,871.7	1,695.0	1,664.0	156.0	116.0	6,502.7
1958	2,354.7	2,697.7	934.0	130.0	116.0	6,232.4
			Totals for all Counties in Study Area			
1979	25,696.6	22,796.3	426,380.0	2,517.0	7,352.0	484,741.9
1974	24,317.7	24,219.6	672,137.0	2,811.0	7,352.0	730,837.3
1969	15,645.6	18,951.8	670,772.0	2,693.0	7,352.0	715,414.4
1964	14,478.5	9,605.9	927,330.0	2,754.0	7,352.0	961,520.4
1958	11,078.5	8,513.4	791,658.0	2,787.0	7,352.0	821,388.9

[1]Water use by livestock was calculated using data from 1974 Texas county statistics (Texas Crop and Livestock Service, 1975), and it was assumed that the same amount was used each year.

[2]Includes pumpage from the Hueco Bolson.





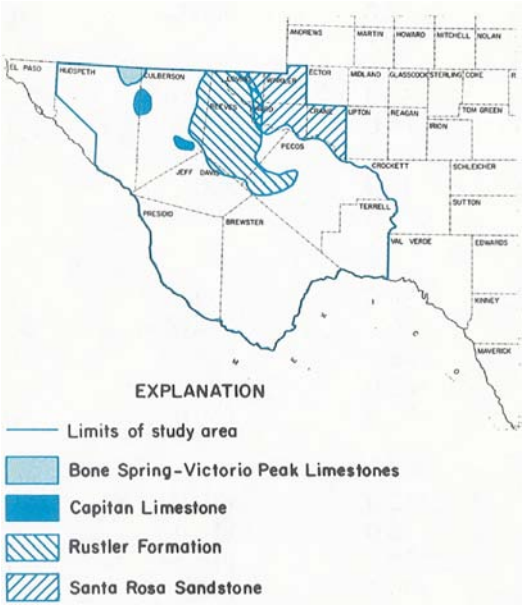


Figure 3.—Locations of Principal Aquifers

In the report area, producing alluvium and bolson aquifers include the Salt Bolson and its subareas in Culberson, Jeff Davis, and Hudspeth Counties; Red Light Draw Bolson in Hudspeth County; Presidio and Redford Bolsons in Presidio County; and the Cenozoic Alluvium aquifer which is present in parts of Loving, Reeves, Pecos, Winkler, Ward, and Crane Counties (Figures 3 and 4).

Salt Bolson and Its Subareas

The Salt Bolson extends along a winding course from northeastern Hudspeth County southward across western Culberson and Jeff Davis Counties into north-central Presidio County (Figure 4). It is divided into the subareas of Salt Flats; Wildhorse Flat; Michigan Flat and its northwest extension, Lobo Flat; Ryan Flat; and Rubio Dome (Muller and Price, 1979). Salt Flats subarea sediments are saturated with mostly saline ground water, therefore no irrigation is developed.

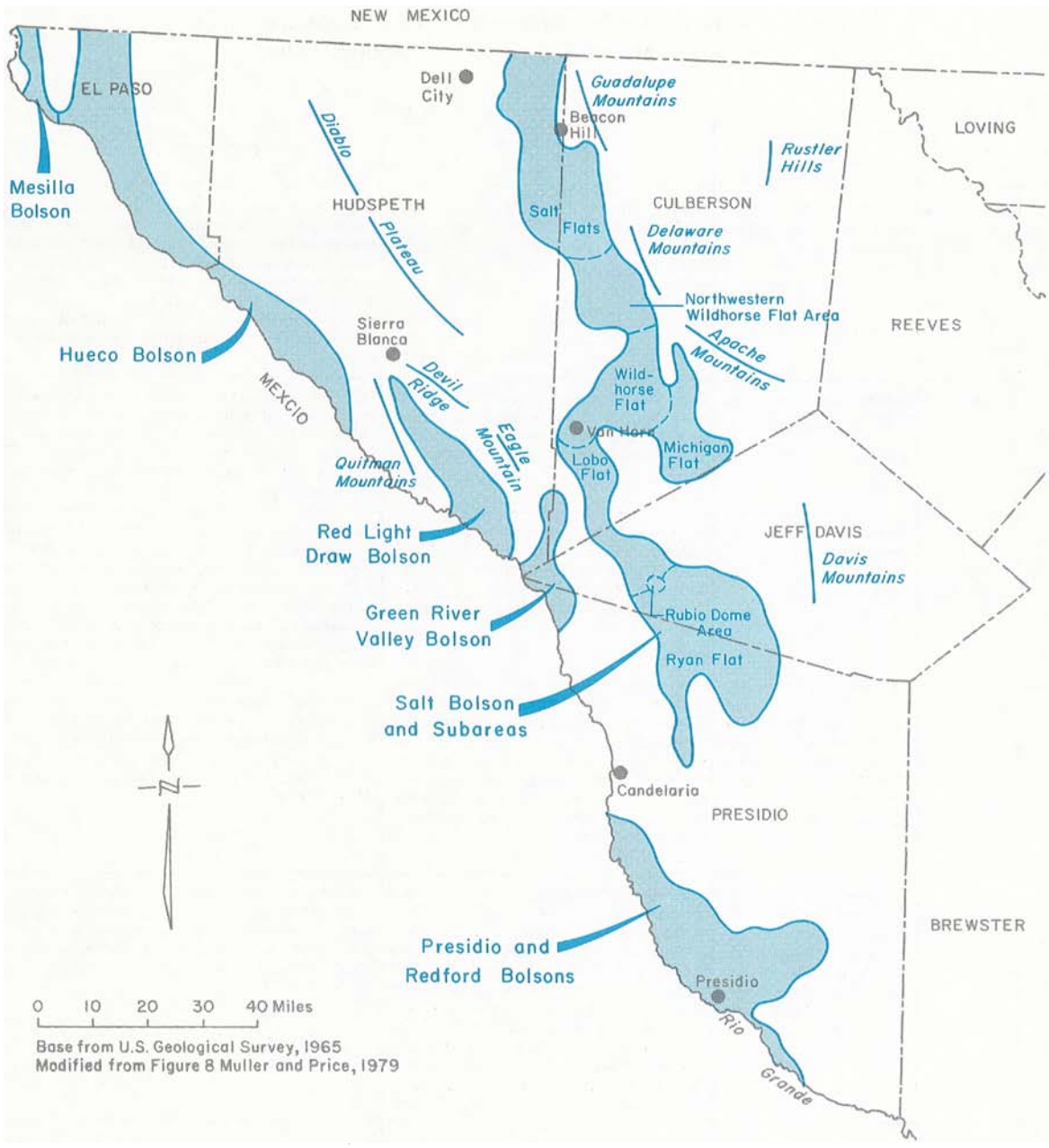


Figure 4.—Alluvium and Bolson Aquifers of the Trans-Pecos Region

In Wildhorse Flat, the fill material is composed mostly of coarse-to-fine-grained alluvial-fan deposits. A U.S. Geological Survey test hole (well HL-47-58-603), drilled on the Culberson County airport land near Van Horn, penetrated 1,306 feet of mostly sand, gravel, and clay. Below 1,035 feet, the drilling time was slower indicating more cemented material. From about 1,200 to 1,270 feet, drilling was rapid and samples indicated that the material was poorly consolidated quartz sandstone which is probably the Cox Sandstone. From 1,270 to 1,306 feet, drilling was slower with more chert present in the samples, indicating a hard, cherty zone in the Cox Sandstone.

It is probable that the recently drilled deep wells located 1 to 2 miles north of the airport test are producing from both the alluvium and bolsons as well as the Cox Sandstone.

Table 2.—Water-Bearing Characteristics of Geologic Units That Are Significant Sources of Ground Water

Era	System	Unit	Physical and lithologic characteristics	Water-bearing characteristics
CENOZOIC	Quaternary	Rio Grande alluvium and alluvium of tributary streams	Gravel, sand, silt, and clay deposited by the Rio Grande and its tributaries; may be as much as 250 feet thick at some locations.	Supplies moderate to large quantities of fresh to moderately saline water in the Rio Grande Valley, in the bolsons at the lower ends of Red Light Draw and Green River Valley, and between Green River Valley and the Presidio bolson; alluvium of tributary streams is commonly unsaturated in many basins but supplies small amounts of fresh water for domestic and livestock use in the Presidio bolson and near the Rio Grande in other basins.
	Quaternary and Tertiary	Bolson deposits and the Cenozoic Alluvium	Clay, silt, sand, and gravel deposited by the ancestral Rio Grande or streams local to individual basins; commonly 1,000 to as much as 5,000 feet thick in the Presidio bolson.	Principal fresh-water aquifer in westernmost Texas; supplies small to large quantities of fresh to slightly saline water in basin areas; contains moderately saline or poorer quality water at depth in the Presidio bolson and the Salt Basin, mostly in fine-grained lacustrine and alluvial deposits.
	Tertiary	Volcanic-clastic and volcanic deposits	Reworked tuffs and alluvial deposits consisting almost exclusively of volcanic debris (volcanic clastics) interbedded with ash-fall tuffs and volcanic flows or ash-flow tuffs; up to 6,000 feet thick at Ryan Flat.	Supplies small to large quantities of fresh water in Ryan and Lobo Flats; probably occurs at depth in Red Light Draw, Green River Valley and southeastern Presidio bolson; permeable zones probably most common in the uppermost 1,000 feet and may include well-reworked tuff, well-sorted volcanic clastics, weathered zones above and below volcanic flows, and possibly in fractured volcanic-flow rocks.
MESOZOIC	Cretaceous	Basal upper and lower Cretaceous limestones, undifferentiated, including the Edwards-Trinity (Plateau) equivalents containing the Maxon or Cox Sandstone.	Limestone units include beds of marl, sandstone, conglomerate, siltstone, and shale, and locally more than 2,000 feet thick. The Cox Sandstone is mostly quartz sandstone with some pebble conglomerate and siltstone, shale and limestone; very fine- to medium-grained; commonly less than 200 feet thick, but can be as thick as 700 feet.	Limestones supply small to large quantities of fresh to moderately saline water in the Sierra Blanca area; Cox Sandstone supplies small to moderate quantities of fresh to moderately saline water in southeastern Hueco bolson, the Sierra Blanca area, and eastern Wildhorse Flat.
	Triassic	Sandstones, siltstones, conglomerates, and shales of the Dockum Group including the Chinle Formation equivalent, Santa Rosa Sandstone, and the Tecovas Formation	Santa Rosa sandstones of importance are medium- to coarse-grained, arkosic cross-bedded, conglomeratic, interbedded with siltstone and shale and are normally about 350 to 520 feet thick; Chinle is dominantly a shale with thin beds of fine-grained sand or siltstone with the unit reaching a maximum thickness of 1,000 feet; Tecovas is a shale with siltstones and very fine-grained sandstones; Dockum Group may reach a maximum thickness of 1,620 feet in Winkler County.	Sandstones, conglomerates, and siltstones supply small to moderate quantities of fresh to slightly saline water to wells primarily in Crane, eastern Loving, Ward, and Winkler Counties; basal unit of the "Pecos" aquifer of Pecos County and of the "Allurosa" of Ward County.
PALEOZOIC	Permian	Predominantly limestones including the Rustler Formation, the Capitan Limestone, the Seven Rivers Formation, the Bone Spring-Victorio Peak Limestones undifferentiated, and sandstones and limestones included in the Delaware Mountain Group	The Rustler is a massive, flinty, dolomite with anhydrite, clastic deposits, and shale. Southwest of Culberson County the unit becomes increasingly marine and is composed of limestone and dolomite reaching a total thickness of slightly over 500 feet. The Capitan and the inseparable Goat Seep are massive thick-bedded reef limestones and dolomite; Capitan is 1,000-2,000 feet thick in the Guadalupe Mountains and Beacon Hill area; the Bone Spring and Victorio Peak are limestones and dolomite with sandstone and siltstone, having an aggregate thickness of 1,800 to more than 3,000 feet; the Seven Rivers is a clastic facies of the Carlsbad Limestone which is the back or lagoonal facies of the Capitan reef; the Delaware Mountain Group is sandstone and limestone with some siltstone with a total thickness of about 3,000 feet.	Rustler dolomite supplies small to large quantities of slightly to moderately saline water in parts of Culberson, Jeff Davis, Pecos, Reeves, Loving, and Ward Counties; Capitan and Goat Seep Limestones supply moderate to large quantities of fresh to slightly saline water in the Beacon Hill area and the Capitan supplies moderate to large quantities of fresh to slightly saline water in the Apache Mountains area; the Seven Rivers lagoonal facies locally contains small supplies of potable water; the Bone Spring and Victorio Peak Limestones supply small to large quantities of slightly to moderately saline water in the Dell City area, and the northeastern Diablo Plateau; the sandstones and limestones of the Delaware Mountain Group supply small quantities of slightly to moderately saline water along the eastern side of the northern Salt Basin and the foothills of the Delaware Mountains.

Modified from Table 1 of Gates, and others, 1980.
Consult Figures 3 and 4 for limits of principal aquifers and the location of referenced areas.

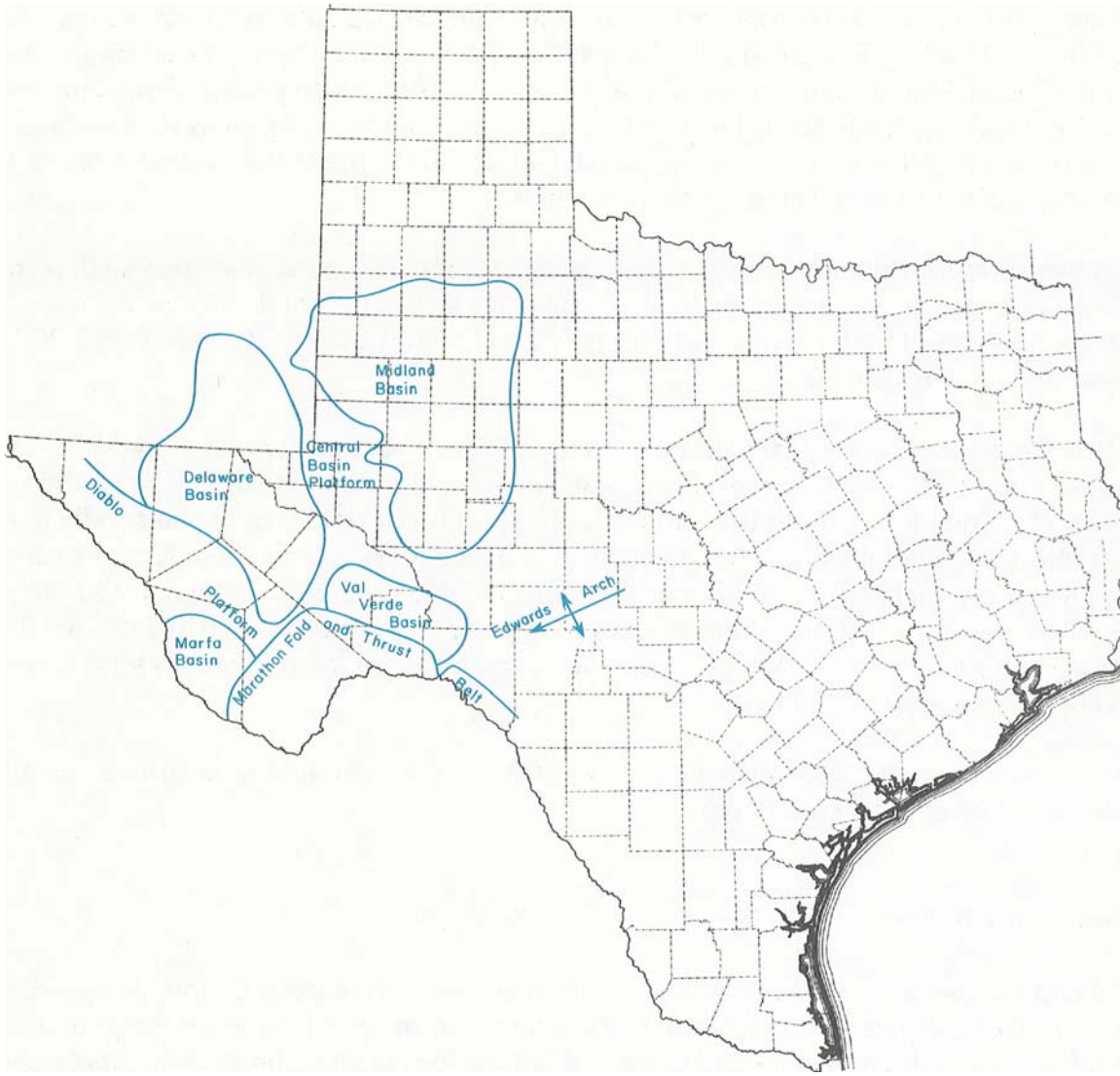


Figure 5.—Major Structural Features of the Trans-Pecos Region

Water from the Cox Sandstone interval between 1,205 and 1,237 feet had a dissolved-solids concentrations of 761 mg/l; water from the partly cemented alluvial or bolson fill from 1,083 to 1,115 feet contained 819 mg/l; and water from the sand and gravel between 552 and 584 feet had 497 mg/l. Large-capacity wells may yield in excess of 1,200 gal/min.

During the 1968-80 period for which data are presented, water-level changes in the Wildhorse Flat area ranged from a decline of 32 feet to a rise of 11 feet (Figure 7). Water levels in 1980 were approximately 3,525 feet above sea level or about 200 feet below the land surface (Figure 8). Dissolved-solids content of waters ranged from less than 1,000 mg/l to more than 3,000 mg/l (Figure 9).

The Michigan Flat area contains lacustrine-type sediments of mostly fine-grained sand and clay ranging in thickness from 400 to over 600 feet. Large-capacity wells may yield over 2,000 gal/min and ground waters have dissolved solids which range from less than 400 to as high as 2,000 mg/l. Water levels measured during 1980 were approximately 3,520 feet above sea level or about 400 feet below land surface.

Sediments in the Lobo Flat area are lacustrine and alluvial deposits with thicknesses ranging from 1,400 to 1,900 feet. Well yields vary from 400 to 1,400 gal/min. Water-level changes range from a decline of 36 feet to a rise of 72 feet during the 1968-1980 period, with water levels ranging from about 3,700 to 4,200 feet above sea level or about 200 feet below land surface. The upper part of the fill and volcanics of Lobo Flat contains fresh water that ranges from approximately 200 to over 400 mg/l dissolved solids.

The Ryan Flat and Rubio Dome areas lie in the most southern extension of the Salt Bolson and sediments in these areas are composed of volcanic, lacustrine, and alluvial deposits. The sediments in Ryan Flat range in thickness from 740 feet near the Davis Mountains to 4,300 feet near Valentine in Jeff Davis County.

A U.S. Geological Survey test hole at Ryan Flat in Presidio County (well UW-51-28-902) was drilled to a total depth of 2,006 feet through alluvial fill, alluvial sands or volcanic origin, and volcanic rocks. The interval from the surface to 555 feet is equivalent to the bolson fill in ither basins in the area. The sands from 555 to about 1,250 feet are mostly reworked and redeposited volcanic materials that may be older than the typical bolson fill. Below about 1,250 feet, the deposits are volcanic rock. Water samples were obtained from the intervals 1,135 to 1,165; 971 to 1,001; 850 to 880; and 345 to 375 feet. All water samples were fresh in quality with dissolved solids ranging from 430 to 490 mg/l.

Several wells ranging in depth from about 1,000 to 2,600 feet have been drilled recently in the Valentine area of Jeff Davis County.

Red Light Draw Bolson

Red Light Draw is located in the southeastern corner of Hudspeth County (Figure 4). It is bordered on the southwest by by Quitman Mountains, on the north by Devil Ridge and Eagle Mountain, and extends southeastward to the Rio Grande (Gates and others, 1980). Its bolson fill consists of coarse-grained alluvial-fan deposits as revealed by Guerra No. 1 Test hole which penetrated 1,100 feet (Gates and others, 1980). Additionally, seismic refraction velocity surveys indicate that the bolson fill in the southeastern portion is underlain by volcanic rocks which are possibly well cemented. Here, the fil and volcanic rocks probably are as much as 3,600 feet thick. In the northwestern portion of Red Light Draw, the fill is generally less than 500 feet thick and mostly unsaturated (Muller and Price, 1979).

Most wells in Red Light Draw are livestock wells of small yield; however, irrigation wells located near the Rio Grande in the floodplain alluvium reportedly yield between 1,000 and 1,500 gal/min (Muller and Price, 1979).

Ground water in the bolson fill usually is fresh and has a dissolved-solids content of less than 500 mg/l. Near the Rio Grande, the water quality deteriorates and is commonly saline to very saline (Table 6).

Since insufficient historical water-level data were available and limited recent water-level data were assembled during this study, altitude of water-level and decline of water-level maps were not prepared. Table 5 includes recent water-level measurements on selected wells.

Presidio and Redford Bolsons

The Presidio and Redford Bolsons outcrop in an area of south-central Presidio County along and on the north side of the Rio Grande from south of the community of Candelaria to about 10 miles southeast of Presidio (Figure 4). These deposits vary from conglomerate near the bordering mountains to mudstone near the basin center. Alluvial-fan materials interbedded with gravels near the axis along the Rio Grande unconformably overlie these deposits (Groat, 1972, p. 5). Thicknesses range from a minimum of 500 feet to a maximum of 5,000 feet along the axis. Wells located above the floodplain of the Rio Grande have small yields, but those in the proximity of the river have yields generally ranging from 300 to 800 gal/min with some yielding as much as 2,000 gal/min (Muller and Price, 1979). Two observation wells, located near Presidio and Redford, respectively, have shown no significant change in water levels from 1966 to 1980 (data in files of Texas Department of Water Resources).

Ground-water quality above the floodplain of the Rio Grande is usually fresh, but along the river it ranges from fresh to very saline with most of it being moderately saline. The overlying Rio Grande alluvium is usually less than 100 feet thick and generally contains poor quality water (Table 6).

As in the case of the Red Light Draw area, maps reflecting the altitude of and the decline of water levels were not prepared. Consult Tables 5 and 6 for chemical quality and well data on selected wells located within the area.

Cenozoic Alluvium

Cenozoic Alluvium deposits in the eastern part of the area range in thickness up to 1,500 feet and have yielded large volumes of ground water used principally for irrigation. Since 1968, water-level changes have ranged from a decline of 51 feet to a rise of 98 feet south of the City of Pecos (Figure 10). Water levels in 1980 ranged from approximately 2,400 to 3,100 feet above sea level or from about 12 to more than 400 feet below the land surface depending on topography and pumpage (Figure 11). Dissolved-solids content ranged from less than 1,000 to more than 12,000 mg/l (Figure 12).

Bone Spring-Victorio Peak Limestones

The Bone Spring-Victorio Peak Limestones aquifer of Permian age supplies the Dell City irrigated area in northern Hudspeth County.

In the outcrop area, the Bone Spring Limestone typically consists of black, cherty, dense, fine-textured, thin-bedded limestone with a thickness of at least 500 feet. Overlying the Bone Spring is the Victorio Peak Limestone, which is a succession of thick-bedded layers of gray limestone having a thickness of about 800 feet. The lower part of the Victorio Peak consists of gray-brown, fine-grained, dolomitic limestone in beds several feet thick. The occurrence of ground water in the Bone Spring and Victorio Peak Limestones is related in large part to the geologic structure. Fault zones east and south of the irrigated area, as well as at the western foot of the Guadalupe and Delaware Mountains, are related to the recharge, movement, discharge, and quality of the ground water.

The Bone Spring and Victorio Peak Limestones yield large quantities of slightly to moderately saline water to wells in the irrigation area. Generally, the water from the aquifer is unsatisfactory for municipal supply, but is used successfully for irrigation because of the highly permeable soil which allows for adequate leaching (Tables 5 and 6).

During the period 1968-80, declines up to 30 feet were observed with an average decline of approximately 15 feet. Two outlier wells northwest of the main irrigation area rose 3 and 13 feet, respectively (Figure 13). Water levels in 1980 were approximately 3,580 feet above sea level or 115-120 feet below land surface (Figure 14). Dissolved-solids content of ground waters ranged from less than 2,000 to more than 5,000 mg/l (Figure 15 and Table 6).

Capitan Limestone

The Capitan Limestone is late Guadalupean (Permian) age and is from 1,500 to 2,000 feet thick. The sediments, originally deposited as a reef, consist of limestone, dolomite, and talus. On the east flank of the Delaware Basin, the Capitan is a north-south trending belt of rocks approximately 6 miles wide which occurs at depths greater than 2,000 feet.

In the Diablo Farms area along the Culberson and Hudspeth County lines, the reef has been penetrated at depths greater than 1,000 feet. Water levels range from about 3,580 to over 3,680 feet above sea level or about 100 to over 200 feet below land surface (Figure 14) and have declined about 17 feet during the period 1968-80 (Figure 13 and Table 5). Yields of more than 1,000 gal/min are common. Further southeast in the Apache Mountains area, water levels vary from 280 to 1,000 feet below land surface with yields as high as 400 gal/min (Couch, 1979).

Dissolved-solids content ranged from less than 1,000 to slightly above 3,000 mg/l (Figure 15 and Table 6).

Rustler Formation

The Rustler Formation of Permian age dips eastward into the Permian Basin from its outcrop area (Figure 3C). The formation name is derived from the Rustler Hills of eastern Culberson County, the type locality, where it ranges in thickness from 200 to 375 feet (Sellards and others, 1932, p. 161). It consists largely of dolomite and anhydrite with a basal zone of sand, conglomerate, and varigated shale. Locally, the Rustler contains minor amounts of salt; and, in places, limestone replaces the dolomite. The dolomite and limestone contain many vugs, and cavernous conditions are reported in many places. Occurrence of ground water in the Rustler is erratic due in part to the irregular occurrence of cavernous openings. Acidizing wells usually results in yields from 300 to 1,000 gal/min. One well in the Belding Farms area in Pecos County had a yield of 4,400 gal/min when it was drilled.

Ground water obtained from the Rustler aquifer is unsuitable for human consumption, but can be used for irrigation, livestock, and in oil reservoir water flooding operations. Dissolved solids in water samples collected from the Rustler ranged from less than 1,000 mg/l in Culberson County to over 100,000 mg/l in Crane County (Figure 15 and Table 6).

Santa Rosa Sandstone

The Santa Rosa Sandstone of Triassic age consists of reddish-brown and gray, medium to coarse, subangular, arkosic, micaceous, and conglomeratic sandstone. The sandstone beds are typically cross-bedded and are interbedded with soft red and green shale and siltstone.

Hard water, which is high in both sulfate and fluoride, is common in the Santa Rosa Sandstone. Most of the water samples collected are from both the Santa Rosa and the overlying alluvium. Dissolved solids present in these waters range from less than 1,000 to more than 3,000 mg/l (Figure 15 and Table 6). In the vicinity of Monahans in Ward County, water levels have remained fairly stable during the period 1968-1980 although isolated changes ranging from a decline of about 28 feet to a rise of about 23 feet were noted. Near Kermit in Winkler County, water levels rose a maximum of 5 feet (Figure 13). Water levels ranged from approximately 2,450 to about 2,900 feet above sea level or about 35 to 150 feet below land surface (Figure 14).

Edwards-Trinity (Plateau) Aquifer

The Edwards Limestone of Cretaceous age is a hard, light-gray, thick bedded limestone containing brown nodular chert. It is a relatively uniform, massive ledge-forming unit with a thickness of 200 to 600 feet. It overlies the "Trinity" sand.

West of the Pecos River, the Edwards Limestone generally does not yield large quantities of water to wells except in very localized areas. It is usually impermeable and much of it is above the water table. In faulted areas, a few domestic, livestock, and irrigation wells are producing from isolated permeable zones.

As an aquifer, the Edwards is unreliable and water may or may not be encountered by well drilling because ground-water accumulation is dependent upon the presence or absence of joints, fractures, or crevices.

All Cretaceous strata below the base of the Edwards Limestone are referred to as the Trinity. In the southeastern third of the aquifer, the Trinity Group is composed of three geologic units—a "basal" sand unit, the Glen Rose Limestone, and an upper sand unit called the Maxon Sandstone. Where the Glen Rose is absent, the Maxon and "basal" sands coalesce, forming a single "Trinity" sand unit. The Cox Sandstone, which is the westward equivalent of the Maxon Sandstone, also occurs in this interval. The "Trinity" sand is varicolored and varies greatly in texture, composition, and degree of cementation. Generally, it is a cross-bedded, fine- to coarse-grained quartz sand which ranges in color from white to red. A conglomerate is usually present at the base of the unit. The thickness of the "Trinity" varies locally with a reported maximum of about 400 feet. In areas where conditions are favorable, the "Trinity" sand supplies large amounts of water to industrial, public supply, and irrigation wells. Available data indicate dissolved-solids content of waters derived from the Edwards-Trinity (Plateau) aquifer ranges from less than 1,000 to a little over 8,000 mg/l (Figure 9 and Table 6). The main chemical constituent found in water is sulfate. During the 1968-80 period, observed water-level changes ranged from a decline of about 47 feet to a rise of about 83 feet (Figure 7). Water levels in 1980 ranged from about 2,200 to over 3,300 feet above sea level (Figure 8). This would be approximately 32 to 400 feet below land surface.

PERFORMANCE TESTS

Table 3 lists selected wells for which performance tests are available and Table 4 summarizes the various aquifer parameters derived from these tests. Texas Department of Water Resources Report 238 (Muller and Price, 1979) may be consulted for definitions of the aquifer parameters.

Table 3.—Selected Wells for Which Performance Tests Are Available

(Data from Meyers, 1969)

County	Well	Latitude	Longitude
Brewster	52-35-713	30°22'56"	103°43'00"
	43-109	30°22'14"	103°42'39"
	307	30°22'16"	103°39'56"
Culberson	47-18-701	31°39'32"	104°52'34"
	59-201	31°05'24"	104°41'44"
	51-03-701	30°53'10"	104°46'02"
	10-603	30°47'50"	104°47'04"
Hudspeth	48-15-201	31°51'42"	105°10'27"
Presidio	51-48-901	30°18'08"	104°02'00"
Reeves	46-28-901	31°30'17"	103°30'45"
	42-915	31°16'07"	103°45'15"
	60-102	31°04'57"	103°36'54"
Ward	45-25-317	31°35'20"	102°54'00"
	46-24-701	31°38'10"	103°05'10"
	704	31°38'10"	103°05'10"
	40-308	31°28'36"	103°01'49"
Winkler	46-08-403	31°55'59"	103°06'20"

Table 4.—Summary of Aquifer Parameters Derived From Performance Tests, by Aquifer

(Data from Meyers, 1969)

Aquifer	Yield (gal/min)	Specific capacity (gal/min/ft)	Coefficient of storage	Coefficient of permeability (gal/d/ft²)	Coefficient of transmissibility (gal/d/ft)
Alluvium and bolson	250 to 1,470	8.9 to 26.8	0.0003 to 0.001	137 to 1,420	9,320 to 71,300
Bone Spring Limestone	1,473	61.4	—	60	15,300
Cretaceous rocks, undifferentiated	460	2.7	—	—	2,710
Rustler Formation	600	4.7	—	—	22,000
Santa Rosa Formation	126	—	0.0001	—	2,580
Tertiary volcanics	122 to 240	1.36 to 13.7	0.0002	60	5,100 to 17,000

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Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas

BREWSTER COUNTY

Water level: Reported water levels given to the nearest foot; measured water levels given in tenths of a foot, and hundredths of a foot in observation wells; (+), flows; E, estimated.
Method of lift and type of power: B, bucket; C, cylinder; Cf, centrifugal; E, electric; G, gasoline, butane, or diesel engine; H, hand; J, jet; N, none; Ng, natural gas; P, piston; R, reciprocating; S, submergible; T, turbine; W, windmill. Number indicates horsepower.
Use of water: D, domestic; Ind, industrial; Irr, irrigation; N, none; P, public supply; S, livestock.
Diameter of casing: N, no casing.
Altitude of land surface: Altitudes were determined principally from U.S. Geological Survey topographic maps; a few altitudes may have been surveyed.
Water-bearing units: K, Cretaceous rocks, undifferentiated; Kc, Cox Formation; Kce-Kct, Edwards Limestone-Trinity Group sands, undifferentiated; Kg, Upper Cretaceous rocks, undifferentiated; LK, Lower Cretaceous rocks, undifferentiated; Omt, Ordovician Marathon limestone; P, Permian rocks, undifferentiated; Pbcd, Delaware Mountain Group; Plbs, Bone Spring-Victorio Peak Limestones; Pgc, Capitan Limestone (reef complex and associated limestone); Por, Rustler Formation; Pgsr, Seven Rivers Formation; Qal, Alluvial deposits; QalRG, Alluvial deposits along Rio Grande; QTal, Alluvial and/or bolson; Trd, Triassic Dockum Group, undifferentiated; Trdsr, Santa Rosa sandstone; T, Tertiary intrusives, undifferentiated; Tv, Tertiary volcanics.

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* BK-52-29-801	J. D. Strauss	--	Old	1,700	7	500	Kce-Kct	3,950	500 650	Apr. 21, 1961 June 6, 1973	S, E	D, S	Drilled as oil test. Reported pumping rate 10 gal/min. Well B-1, Bull. 5712.
* 30-501	Sims & McMullen	--	1950	650	6	100	Kce-Kct	3,710	600	1958	C, W	S	Temp. 62°F.
35-401	City of Alpine	Frank Galvon	1960	485	12 8	50 485	Tv	4,483	102	May 25, 1970	S, E	P	"Meriweather" No. 2 well. Reported yield 54 gal/min. Radioactivity log. Slotted 100 to 485 feet. Measured depth of 377 feet.
701	do	R. G. Dickson	1961	436	8	436	Tv	4,600	129.2	Jan. 13, 1961	T, E	P	Yield reported at 80 gal/min.
702	do	M. B. Virdell	1971	798	14	83	Tv	4,720	250	1971	S, E, 24	P	Owner's Robert's No. 4. Pump set at 550 feet. Reportedly pumped 75 gal/min.
703	do	Big "3" Machine & Supply Inc.	1977	850	11	850	Tv	4,696	95	Sept. 17, 1977	S, E	P	Owner's Robert's No. 5. Slotted from 100 to 850 feet.
704	Mrs. Oscar Roberts	Paul Gooden	1957	451	11	360	Tv	4,618	95.95 90.42	Apr. 17, 1957 Apr. 6, 1959	T, E	P	City of Alpine public-supply well Robert's No. 1. Open hole 360 to 451 feet. Perforated 111 to 360 feet. Yield measured at 80 gal/min. Well C-72, USGS. 1/
* 705	do	do	1957	400	11	352	Tv	4,643	108.00 149.64	Jan. 15, 1964 Dec. 19, 1973	T, E	P	City of Alpine public-supply well Robert's No. 2. Slotted from 22 to 352 feet. Pumped 162 gal/min with 133 feet of drawdown on 30-hour test. Well C-73, USGS. 1/ 3/
706	City of Alpine	do	1957	400	13	144	Tv	4,645	83.72	Aug. 6, 1957	T, E	P	City of Alpine public-supply well Robert's No. 3. Pumped 37 gal/min with 23.1 feet of drawdown on measured test on June 10, 1958. Well C-74, USGS. 1/
* 708	do	C. Watson	1959	390	7	204	Tv	4,640	119.39 126.10	Feb. 27, 1959 July 7, 1959	S, E	P	Drawdown 6.18 feet pumping 145 gal/min on 24-hour test on Mar. 9, 1961. Well C-76, USGS. 1/
709	Perry Cartwright	Nolan Schuler	1958	400	16 14 11	-- -- 400	Tv	4,580	104.70 78.04	May 29, 1958 Feb. 5, 1981	T, E	P	City of Alpine public-supply well. Pumped 175 gal/min with 128.25 feet of drawdown on 24-hour test on May 24, 1958. Well C-75, USGS. 4/
711	City of Alpine	Paul Gooden	1953	265	8	81	Tv	4,617	88.68 170.52	Apr. 10, 1955 Jan. 17, 1980	N	N	Abandoned municipal well. Not used by city because of high fluoride content. Driller reported yield of 40 to 50 gal/min. Well C-13, Bull. 5712. Well depth was measured Feb. 10, 1970. 4/
712	Perry Cartwright	--Wooley	1946	190	6	--	Tv, Qal	4,605	71.84 87.22	Jan. 26, 1955 Jan. 17, 1980	S, W	S	Pumped 20 gal/min. Well C-21, Bull. 5712. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

BREWSTER COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	BK-52-35-713	Mrs. Flora Daugherty	Paul Gooden	1953	361	10 8 7	31 300 361	Tv	4,553	71.32 106.73	Feb. 9, 1955 Jan. 11, 1958	T, G	Irr	Formerly supplied City of Alpine. Yield reported at 500 gal/min. Temp. 69°F. Well C-22, Bull. 5712. 5/
	714	Mrs. Oscar Roberts	--	1935	300	6	--	Tv	4,643	63.20 148.91	Jan. 8, 1957 Jan. 17, 1980	C, W	S	Pumped 65 gal/min in 1955. Well C-20, Bull. 5712. 4/
*	801	City of Alpine	Charles N. Watson	1949	300	12 10 8	57 138 300	Tv	4,447	191.5	Feb. 14, 1955	S, E	P	Owner's Parker well (old city well No. 9). Reportedly pumped 35 gal/min. Well D-9, Bull. 5712.
	901	do	Paul Gooden	1954	276	13	276	Tv	4,402	83.72 12.14	Feb. 16, 1955 Feb. 5, 1981	T, E, 15	P	Owner's well, "Kokernot" No. 2. Yield reported at 97 gal/min when drilled. Well D-13, Bull. 5712. 3/ 4/
*	37-201	J. E. Casner	--	Old	633	> 7	--	K	4,110	400	1961	C, W	S	Yield reported at 25 gal/min. Well E-1, Bull. 5712.
*	401	do	A. Yackey	--	900	6	--	K	4,150	500	1961	C, W	S	--
*	38-501	W. Y. Benge	--	1961	670	6	--	K	4,160	620	Apr. 1961	C, W	S	Producing intervals 625 to 665 feet.
	43-106	W. H. Terry	Nolan Schuler	1957	450	6	450	Tv?	--	175	Aug. 7, 1957	N	N	Former City of Alpine public-supply well. Owner's "Terry well" No. 3. Perforated 350 to 450 feet. Well abandoned July 15, 1958.
	109	W. H. Terry, Jr.	do	1955	592	8	307	Tv	4,573	135.09 107.31	Dec. 8, 1958 Jan. 17, 1980	S	P	City of Alpine public-supply well. Open hole 307 to 592 feet. Pumped 240 gal/min with 17.5 feet of drawdown on 36-hour test in 1955. Well C-28, Bull. 5712. 4/
	110	Mrs. W. H. Terry, Jr.	do	1954	540	8	528	Tv?	4,629	82.19 86.47	Jan. 19, 1955 Jan. 7, 1959	N	N	Unused livestock well. Formerly City of Alpine No. 2 Terry. Yield measured at 120 gal/min with 50 feet drawdown in 4 hours on Jan. 19, 1955. Well C-38, Bull. 5612. 1/
*	202	Lewis Lowenthal	E. E. Doyle	1947	320	--	--	Tv	4,660	141.40 142.44	Aug. 16, 1948	C, E, 3	D, S, P	Supplies water for stables, race track, and night club. Well C-46, Bull. 5712. 5/
	207	Roadrunner Mobile Home Park	--	--	219	10	100	Tv	4,620	70	--	S, E, 30	P	Pump set at 190 feet. Drawdown 10 feet; pumping 155 gal/min.
	208	City of Alpine	Charles N. Watson	1949	500	12 10 8	71 297 368	Tv	4,465	--	--	S, E, 15	P	Owner's "Funk" well (old city No. 10). Well C-36, Bull. 5712. 3/
	302	do	Paul Gooden	1954	325	12 10 8	-- -- 325	Tv	4,412	39.36 23.80	Feb. 14, 1955 Jan. 2, 1956	N	N	Abandoned municipal well, "Kokernot" No. 4. Yield inadequate. Well D-11, Bull. 5712. 1/ 3/
	303	do	do	1954	250	8	159	Tv?	4,406	47.42 20.43	Feb. 14, 1955 Jan. 2, 1956	T, E, 7½	P	Owner's well "Kokernot" No. 1. Open hole 159 to 250 feet. Reported weak well. Well D-12, Bull. 5712. 1/
	307	do	--	1923	313	7	211	Tv	4,500	75.3	Feb. 3, 1955	S, E	P	Owner's "Railroad" well. Reportedly pumped 49 gal/min. Well D-41, Bull. 5712.
*	308	do	--	1927	580	--	--	Tv	4,498	32	July 29, 1948	S, E, 60	P	Owner's "East" well. Reportedly pumped 36 gal/min. Well D-42, Bull. 5712.
	309	do	Charles N. Watson	1950	650	8	260	Tv	4,551	--	--	S, E	P	Owner's "Moss" well (old well No. 13). Reportedly pumped 22 gal/min. Well D-53, Bull. 5712.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

BREWSTER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* BK-52-43-310	City of Alpine	Anton Hess	1929	443	6	443	Tv	4,567	165	Aug. 1948	S, E, 30	P	Owner's "South hill-lower well" (old well No. 3). Reportedly pumped 200 gal/min. Well D-50, Bull. 5712.
* 311	do	--	1929	703	10	325	Tv	4,584	--	--	T, E, 30	P	Owner's "South hill-upper well" (old well No. 4). Reportedly pumped 180 gal/min. Well D-51, Bull. 5712.
312	do	Paul Gooden	1950	350	10	350	Tv	4,554	70.5	Jan. 1955	T, E, 30	P	Owner's "Golf course well" (old well No. 14). Reportedly pumped 50 gal/min. Well D-22, Bull. 5712.
* 501	Kimball Krushers	--	1968	251	16	85	Tv	--	38	1968	S, E	Ind	--
601	Joseph Moss	--	--	--	48	--	Qal	4,581	21.80 21.48	Feb. 17, 1955 Jan. 10, 1978	N	N	Abandoned livestock well. Well D-63, Bull. 5712. 4/
* 44-801	Billy Webb	Dick Baker	1976	98	5	98	Tv	--	--	--	C, W	S	Perforated 78 to 98 feet. Temp. 69°F., Aug. 2, 1978. 3/
* 45-401	Miles Pierce	--	1974	646	--	--	Tv	--	450	Aug. 9, 1978	S, E	S	--
* 47-701	William Blakemore, II	H. H. Virdell, Inc.	1975	506	7	97	Qal	--	70	1978	C, W	S	--
* 902	Combs-Kincaid	--	--	175	6	10	Qal	4,270	58.20 58.14	Nov. 13, 1956 Nov. 14, 1957	C, W	S	Well M-7, Bull. 5712. 1/
* 54-902	Combs-Post	G. Hargus	1950	125	6	--	Qal	3,936	11.41 11.95	Nov. 7, 1956 Nov. 14, 1957	C, W	S	Well R-3, Bull. 5712. 1/
55-104	Marathon Water Supply Corp.	M. B. Virdell	1969	468	10 9	-- 467	Omt?	4,090	--	--	S, E, 7½	P	Owner's well No. 1. Pump set at 250 feet. Pumped 85 gal/min.
105	do	H. H. Virdell	1974	346	6	346	Omt?	4,090	125	Oct. 8, 1974	S, E, 3	P	Owner's well No. 2. Slotted 340 to 346 feet. Yield reported at 55 gal/min.
301	Texas Dept. of Highways & Public Transportation	--	--	--	5	--	--	--	30.87	Oct. 18, 1956	N	N	Abandoned industrial well. Probably used during highway construction. 1/
401	do	G. W. Hapeus	1941	168	10	8	--	4,075	116.2	Sept. 21, 1956	N	N	Abandoned industrial well. Used occasionally for highway road repairs. Yield measured at 300 gal/min with 7 feet of drawdown after pumping 48 hours. 1/ 6/
* 402	Cruz McGuire	Ed Wagner	1975	160	--	--	Qal	--	--	--	S, E	D	--
* 601	William C. Donnell	--	1977	126	7 6	22 126	Qal	--	--	--	C, W	S	Producing intervals 113 to 119 feet. 3/
* 59-501	W. B. Yarborough	Anton Hess	1967	251	8	11	Tv	--	--	--	C, W	S	3/
* 60-801	do	do	1974	118	7	95	Tv	--	--	--	C, W	S	3/
* 64-101	Edward Holland	E. L. Virdell	1975	206	7	20	Qal	--	--	--	C, W	D, S	Pumping 15 gal/min. 3/
* 53-58-301	C. F. Cox	Billy Bruce	1972	640	6	300	Kce-Kct	--	--	--	S, E, 1½	D, S	--
* 302	do	Johnny Cox	1942	720	4	720	Kce-Kct	3,643	695	July 16, 1973	C, W	D, S	Yield 4 gal/min. Pump set at 710 feet.
* 802	Jim O'Neal Land Co.	Bill Haynes	1950's	790	8	--	Kce-Kct	3,517	192	May 16, 1973	C, W	S	--

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

BREWSTER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* BK-72-09-501	D. W. Collins, Jr.	Roy H. Kent, Jr.	1976	1,032	9 5	33 1,032	Kce-Kct	--	--	--	S, E	S	Producing interval 952 to 1,032 feet. 3/
* 12-101	Bullis Gap Ranch	--Lambert	--	857	8	--	Kce-Kct	2,427	804	Mar. 5, 1951	C, W	S	Pumps 2 to 3 gal/min. Well RF-38, USGS.
* 49-503	Dept. of Interior National Park Service	--	Spring	--	--	--	Kg	1,840	(+)	--	Cf, E	P	"Rio Grande Village" Spring No. 4 (Big Bend National Park). Provides water for public supply. Reportedly yields 25 gal/min.
* 73-07-301	Gage Holland	Ed Wagner	1973	135	7	135	Tv	--	--	--	C, W	D	Casing slotted 55 to 75 and 115 to 135 feet. Producing 20 gal/min.
* 14-201	Bill Pope	Werner Hollis	1974	92	8 6	16 92	Qal	--	67	--	C, W	S	3/
* 23-302	Pope Est.	do	1974	375	8	16	Qal, LK?	--	324	--	C, W	S	3/
* 28-801	K. K. Blount	do	1976	155	7	155	LK?	--	--	--	C, W	S	Casing slotted 92 to 96 and 130 to 140 feet. 3/
* 42-902	Rex Ivey	Jimmy Cook	1979	238	9	238	K	2,364	--	--	--	--	Test hole to be completed as supply for resort development. Originally drilled to 315 feet.
* 44-401	Hilario Acosta	Lee Murphy	1963	336	4	336	Kg	2,717	--	--	S, E	D	--
* 501	Texas Dept. of Highways & Public Transportation	E. F. Doyle	1978	800	--	--	Kg	2,525	--	--	S, E	P	Well LT-13, USGS.
503	Gil Felts	--	--	--	--	48	Kg	--	--	--	Cf, E	P	Supplies trailer park and school in Terlingua.
* 601	Carl Thain	Alton Hess	1965	826	9 7	8 274	Kg	--	2 63.44 57.83	Sept. 30, 1965 Jan. 12, 1971 Jan. 27, 1976	C	D	Open hole 274 to 826 feet. Well was formerly used as water supply at Diamond Shamrock Mine. 1/
* 45-101	J. F. McCalla	Lee Murphy Drilling Company	1972	336	5	336	Kg	--	220	--	S, E	D	--
* 46-701	Dept. of Interior National Park Service	--	Spring	--	--	--	Kg?	4,080	(+)	Sept. 1979	Flows	P	"Oak Spring" in Big Bend National Park. Flow reported at 120 gal/min in 1979.
* 47-401	do	--	--	215	6	210	Qal, K?	3,720	180.5	Aug. 28, 1979	S, E	P	"Panther Junction" well No. 4. Measured yield 7 gal/min.
* 504	do	--	1948	138	6	90	Kg	3,490	83.1	do	S	P	"Panther Junction" well No. 2. Pumped 12 gal/min in 1969.
* 505	do	C. W. Watson	1969	109	5	--	Kg	3,448	52.5	do	S	P	"Panther Junction" well No. 5. Pumped 15 gal/min in 1969.
* 52-903	do	--	1969	77	5	--	Qal, K?	2,126	--	--	--	P	Pumped 5 gal/min in 1969.
904	do	--	1979	200	--	--	Qal, K?	2,169	40	Aug. 1979	N	N	Not completed. Performance test August 1979 of 26 hours. Pumping level 85 feet with drawdown of 45 feet, producing 30 gal/min. Specific capacity 0.67 gal/min/ft.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CRANE COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* HH-45-18-902	F. L. Williams, Jr.	R. C. Murray	1972	103	--	--	Trdsr, Qal	--	68	July 21, 1972	S, E	D, S	
* 22-702	George Clark	R. G. Dixon	1967	80	5	80	Qal	--	55	Oct. 18, 1967	C, W	S	Temp. 80°F. Perforated 50 to 80 feet. Yield reported at 12 gal/min.
27-203	McKnight Brothers	--	--	94	8	--	Qal	2,761	41.48 43.08	Nov. 17, 1954 Jan. 13, 1981	C, W	S	Well A-3, Bull. 5604 and 5906. 4/
* 204	McKnight Ranch	Carl Hammett	1950	120	7	12	Qal	--	46.0	Dec. 13, 1954	C, W	S	"Highway Mill" well. Open hole and producing interval 12 to 120 feet. Well A-5, Bull. 5604.
901	R. F. Winfohr	--	--	105	8	--	Qal?	2,698	58.65 59.81	Nov. 4, 1954 Jan. 13, 1981	N	N	Well B-19, Bull. 5604 and 5906. 4/
* 902	Rodman & Noel Ranch	Dixon Pump & Drilling Co.	1974	95	5	95	Qal	--	60	Dec. 20, 1974	S, E	D	Perforated 75 to 95 feet.
28-701	W. N. Waddell	--	--	61	12	--	Qal	2,635	43.82 38.26	Sept. 27, 1954 Jan. 10, 1980	C, W	S	Well B-64, Bull. 5604 and 5906. 4/
901	City of Crane	Damron Drilling Co.	--	80±	--	--	Qal	--	--	--	T, E, 3	P	Owner's well No. 1. Well B-52, Bull. 5604.
902	do	do	--	80±	--	--	Qal	--	--	--	T, E, 3	P	Owner's well No. 2. Well B-53, Bull. 5604.
903	do	do	--	80±	--	--	Qal	--	--	--	--	P	Owner's well No. 3. Well B-54, Bull. 5604.
904	do	Wayne Bower	1954	83	12 7	20 83	Qal	--	42	Feb. 1954	T, E, 3	P	Owner's well No. 6A. Slotted 50 to 78 feet. Yield reported at 70 gal/min when drilled. Well B-55, Bull. 5604. 3/ 6/
905	do	do	1954	80	10 7	20 80	Qal	--	--	--	T, E, 2	P	Owner's well No. 5A. Yield reported at 50 gal/min. Well B-56, Bull. 5604. 3/
906	do	do	1953	80	10 7	20 80	Qal	--	40	Dec. 1954	T, E, 3	P	Owner's well No. 4A. Slotted 45 to 80 feet. Yield reported at 50 gal/min. Well B-57, Bull. 5604. 3/
907	do	do	1953	85	10 7	20 85	Qal	--	--	--	T, E, 3	P	Owner's well No. 1A. Yield reported at 100 gal/min when drilled. Pumping level at 53.0 feet on Sept. 20, 1954. Well B-60, Bull. 5604. 3/
908	do	do	1953	81	10 7	20 81	Qal	--	--	--	T, E, 2	P	Owner's well No. 2A. Yield reported at 120 gal/min when drilled. Well B-59, Bull. 5604. 3/
* 29-401	Phillip's Crane Water Station	--	1953	105	7	105	Qal	2,670	57.70 59.24	Dec. 5, 1955 Jan. 10, 1980	T, E, 7½	Ind	Temp. 71°F. Well C-52, Bull. 5604 and 5906. 4/
501	Gulf Oil Corp.	--	1940	183	9 7	16 167	Qal	2,695	50.43 52.52	Sept. 30, 1954 Dec. 9, 1971	N	N	Unused industrial well. Formerly supplied water for oil drilling rigs. Slotted from 60 to 72 feet. Well C-23, Bull. 5604. 1/
* 601	Mobil Oil Co.	--	--	--	6	--	Qal	2,725	48.95 47.28	Sept. 26, 1954 Jan. 13, 1981	C, W	S	Temp. 78°F. Well C-98, Bull. 5604 and 5906. 4/
702	Texas Dept. of Highways & Public Transportation	Bower Water Well Service	1948	90	7	87	Qal	2,658	41.94 47.94	Dec. 13, 1954 Nov. 30, 1960	N	N	Unused industrial well. Formerly supplied water for road construction. Yield reported at 80 gal/min when drilled. Well C-64, Bull. 5604. 1/ 3/
703	City of Crane	Damron Drilling Co.	about 1953	80±	10 6	-- --	Qal	2,580	42.6 41.7	Sept. 25, 1954 Dec. 13, 1954	S, E	P	Owner's well No. 6. Well C-71, Bull. 5604. 6/
704	do	do	about 1953	80±	10 6	--	Qal	2,580	--	--	S, E	P	Owner's well No. 7. Well C-70, Bull. 5604.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CRANE COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
HH-45-29-705	City of Crane	Damron Drilling Co.	about 1953	80±	10 6	-- --	Qal	2,580	--	--	T, E, 3	P	Owner's well No. 8. Well C-69, Bull. 5604.
706	do	do	--	85±	--	--	Qal	--	41.3	Dec. 13, 1954	T, E, 3	P	Owner's well No. 4. Yield reported at 50 gal/min in 1954. Well C-65, Bull. 5604.
707	do	do	--	80±	--	--	Qal	--	42.9	do	T, E, 3	P	Owner's well No. 5. Well C-66, Bull. 5604.
* 30-701	McElroy Ranch	--	1955	--	6	--	Qal	2,650	58.95 64.69	Dec. 5, 1955 Jan. 10, 1980	C, W	S	4/
* 34-901	Jess M. Wristen	Jim Miles	1940	55	6	--	Qal	2,465	39.9	July 20, 1967	C, W	S	
35-202	City of Crane	Layne-Texas Co.	1958	155	11	155	Qal	2,526	--	--	S, E	P	Owner's well No. 3. Pump setting 150 feet.
203	do	do	1958	147	9	--	Qal	2,526	--	--	S, E	P	Owner's well No. 4. Pump setting 130 feet. Yield reported at 175 gal/min.
204	do	do	--	157	11	157	Qal	2,525	--	--	S, E	P	Owner's well No. 5. Pump setting 130 feet.
205	do	do	1958	174	11	--	Qal	2,532	--	--	S, E	P	Owner's well No. 6. Pump setting 145 feet. Pumped 175 gal/min.
206	do	Dixon Pump & Drilling Co.	1976	165	16 9	17 165	Qal	2,524	89.0	Sept. 21, 1976	S, E	P	Owner's well No. 14. Drawdown 51.27 feet while pumping 75 gal/min on Sept. 21, 1976.
* 301	do	--	1959	157	11	156	Qal	2,521	79.60 73.55	July 16, 1974 Dec. 5, 1974	S, E, 15	P	Owner's well No. 7, Tubb Ranch. Pumped 175 gal/min. Screened 81 to 156 feet. 3/ 5/ 6/
302	do	Layne-Texas Co.	--	166	11	--	Qal	2,521	--	--	S, E	P	Owner's well No. 8. Yield reported at 90 gal/min. Pump setting at 144 feet.
303	do	do	--	136	11	--	Qal	2,530	--	--	S, E	P	Owner's well No. 10. Pump set at 120 feet. Yield reported at 75 gal/min.
304	do	do	1958	128	11	--	Qal	2,518	--	--	S, E	P	Owner's well No. 12. Pump set at 100 feet. Pumped 50 gal/min.
501	Crane County	Wayne Bower	1953	165	7	165	Qal	--	55.00 55.30	Dec. 7, 1954 Dec. 7, 1956	T, E, 5	P, D	Supplies water for a small community and a swimming pool. Yield measured at 55 gal/min. Well D-12, Bull. 5604. 1/ 3/ 6/
504	City of Crane	Layne-Texas Co.	1958	166	9	166	Qal	2,517	--	--	S, E	P	Owner's well No. 1. Yield reported at 125 gal/min.
505	do	do	1958	150	11	150	Qal	2,521	--	--	S, E	P	Owner's well No. 2. Pump setting 125 feet.
506	do	Dixon Drilling Co.	1976	190	8	190	Qal	2,524	88.1	Jan. 26, 1977	S, E	P	Owner's well No. 16. Perforated 71 to 180 feet. Drawdown 54.08 feet while pumping 108 gal/min on Sept. 27, 1976. 3/
602	Humble Oil & Refg. Co.	K. P. Looney	1939	148	7	145	Qal	--	--	--	N	N	Abandoned industrial well. Abandoned when camp moved. Well E-50, Bull. 5604. Formerly well No. HH-45-33-503. 1/ 3/
603	City of Crane	Layne-Texas Co.	1958	180	11	--	Qal	2,530	--	--	S, E	P	Owner's well No. 9. Yield reported at 125 gal/min.
604	do	Dixon Drilling Co.	1976	168	16 9	12 168	Qal	2,523	89.5	Jan. 26, 1977	S, E	P	Owner's well No. 15. Perforated 97 to 163 feet. Drawdown 36.08 feet while pumping 200 gal/min on Sept. 27, 1976.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CRANE COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	HH-45-35-605	City of Crane	Dixon Drilling Co.	1976	164	20 9	18 164	Qal	2,512	--	--	S, E	P	Owner's well No. 17. Perforated 93 to 159 feet. Drawdown 60 feet while pumping 105 gal/min on Dec. 20, 1976. 3/
	606	do	do	1977	168	20 9	18 168	Qal	2,510	--	--	S, E	P	Owner's well No. 18. Perforated 92 to 168 feet. Drawdown 65 feet while pumping 80 gal/min on Jan. 28, 1976. 3/
	607	do	do	1976	160	20 9	12 160	Qal	2,502	--	--	S, E	P	Owner's well No. 19. Perforated 88 to 154 feet. Drawdown 50 feet while pumping 40 gal/min on Dec. 28, 1976. 3/
*	702	Annie Long, Dobie Ranch	--	--	51	6	--	Qal	2,469	46.18 49.47	Dec. 4, 1955 Dec. 5, 1969	C, W	S	1/
*	36-802	T. C. Barnsley	Wayne Bower	1947	234	9 4	129	Qal	2,477	64.02 92.14	Oct. 7, 1954 Jan. 13, 1981	C, W	S	Former industrial well. Well E-62, Bull. 5604 and 5906. 4/
	37-202	City of Crane	W. & Z. Drilling Co.	1952	72	13 9	15 72	Qal	--	45.10 45.19	Oct. 19, 1954 Dec. 5, 1962	N	N	Unused public supply well No. 20A. Well F-10, Bull. 5604. 1/ 3/
*	203	do	do	1952	87	10 89	10 87	Qal	2,579	43.87 71.52	Sept. 23, 1954 Jan. 13, 1981	S, E, 3	P	Perforated 64 to 87 feet. Well F-9, Bull. 5604 and 5906. 2/ 3/
	204	Atlantic Oil & Refg. Co.	Damron Drilling Co.	1940	230	11	44	Qal	2,575	43.98 47.50	Dec. 15, 1955 Dec. 4, 1972	T, E, 5	N	Unused industrial well formerly used to supply water for oil leases. Open hole from 44 to 230 feet. Yield reported at 18 gal/min when drilled. Well F-11, Bull. 5604. 1/ 3/
	38-101	Gulf Oil Corp.	--	--	94	4	--	Qal?	--	62.30 62.16	Dec. 18, 1954 Dec. 5, 1957	C, G	N	Industrial well abandoned in 1957. Well F-44, Bull. 5604. 1/
	43-101	Dual Drilling	--	1961	202	8	202	Qal	2,430	33	1961	C, G	Ind	3/ 6/
*	44-301	Jax Cowden Est.	--	--	32	8	--	Qal	2,395	30.23 30.98	July 18, 1974 Jan. 11, 1980	C, W	S	4/
*	601	Humble Oil Co.	F. C. Wheeler	1969	550	16 9	80 550	Por	2,378	90.30 43.16	July 18, 1974 Jan. 13, 1981	S, E	Ind	Slotted 430 to 550 feet. 3/ 4/
*	45-501	Hallie C. Day Est.	--	1940	60	--	--	Qal	2,389	42.53 43.27	July 16, 1974 Dec. 5, 1974	C, W	D, S	5/
*	802	Cowden Ranch	--	--	114	--	--	Qal	--	113.9	Sept. 12, 1974	S, E	S	Temp. 76°F.
*	46-101	American Legion	--	1958	210	8	--	Qal, Trdsr	2,600	121.43 120.18	July 17, 1974 Nov. 9, 1976	S, E	N	Formerly used as public supply. Now on city water system. 5/
	53-301	Bill Blackman	--	--	45	--	--	Qal	2,340	25.48	July 17, 1974	C, W	D, S	5/
*	303	do	--	--	--	--	--	Qal	2,340	30.82 28.09	Sept. 12, 1974 Jan. 13, 1981	S, E	D, S	Temp. 73°F. 4/
*	54-501	Mrs. J. C. Lyles	--	--	200	6	--	Trdsr	2,540	133.50 127.64	May 17, 1961 Jan. 13, 1981	S, E	D, S	Producing interval 133 to 200 feet. 4/
*	801	C. W. Hobbs Est.	--	--	200	7	--	Trdsr	2,392	94.8	Oct. 26, 1965	C, W	S	Former industrial well used to supply water for drilling oil tests.
	62-101	Texas Dept. of Highways & Public Transportation	--	--	--	6	--	Qal	2,508	24.68 18.98	Dec. 5, 1955 Jan. 13, 1981	C, W	P	4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
HL-47-02-801	U. S. Government-National Park Service	W. L. Van Noy Drilling Co.	1973	748	10 6	62 663	Pgc?	5,685	175.0	Feb. 3, 1974	S, E, 5	N	Unused public supply well. Owner's Pine Springs-Frijoles No. 1. Well plugged back 663 feet. Slotted 443 to 663 feet. Yield measured at 3.8 gal/min with 345 feet of drawdown on 161-hr test on Sept. 16, 1974. Water has bad taste, sulphur odor, and gray color. 6/
* 04-501	H. L. Morrison	--	1945	200	--	--	Qal	4,071	103.3	Aug. 20, 1967	C, W	S	"West Mill".
* 05-402	do	--	1962	200	16	--	P	--	33.0	June 17, 1970	T	Irr	
* 601	J. T. Ranch Co.	--	--	60	--	--	P	--	--	--	S, E	D	
* 901	E. E. Pokarny	--	--	--	6	--	P	3,580	47.0	July 16, 1963	--	S	Yield 50 gal/min.
* 09-901	El Paso Natural Gas Co.	Wheeler Cass	1957	591	12	260	QTal, Pgc	3,800	196.0	Aug. 1957	T, Ng	Ind, Irr	Open hole 260 to 591 feet. Pumped 326 gal/min with 1 foot of drawdown.
903	do	K. C. Wheeler	1970	650	16	275	Pgc	3,804	201	May 1970	T, E	Ind, D	El Paso Natural Gas Co. well No. 7. Bedrock (limestone) at 249 feet. Open hole below. Reported 280 gal/min 1971. Specific capacity reported at 16 gal/min/ft in 1971. 3/ 6/
904	do	S. H. Smith	1956	382	--	--	QTal, Pgc	3,869	272	June 1969	T, E	Ind, D	El Paso Natural Gas Co. well No. 4 on standby status because of deterioration in water quality in 1969. Bedrock at 334? feet. Yield reported at 88 gal/min in 1969. Specific capacity reported at 1.4 gal/min/ft in 1969. 3/ 6/
* 13-102	Jax M. Cowden	--	--	--	--	--	Qal	3,706	11.7	Aug. 20, 1967	T, E, 2	P, Ind	Water level is a pumping water level. Supplies El Paso Natural Gas Co. pump station No. 1, Moon Ranch, and 9K Ranch.
* 17-302	Atlantic Richfield Co.	W. L. Stratton	1959	377	16	229	Pgc	3,754	146.85 174.61	Jan. 17, 1958 Jan. 28, 1980	T, Ng	Irr	Middle of three closely spaced irrigation wells. Bedrock at 30? feet with limestone at 224 feet. Open hole below 229 feet. Perforated 160 to 169 feet. One hundred-seventy feet 10-inch column pipe. Estimated 2,100 gal/min in 1967. 3/ 4/
304	Amarex, Inc.	do	1964	450	16	200	Pgc	3,802	197.14 208.03	Apr. 7, 1965 Jan. 28, 1980	S, E	D, S	Irrigation well used for livestock. Limestone at 120 feet. Cased to 200 feet (from electric log) and open hole below. Reported 900 gal/min in 1965. Electric logs, two gamma-ray logs, probe. 4/
* 317	do	Fireball Irrigation, Inc.	1965	600	18 16	200 530	Pgc	3,762	163.32 191.39	Sept. 12, 1966 Feb. 17, 1981	T, E	Irr	Bedrock (limestone) at 220 feet. Open hole below 530 feet. Perforated 492 to 530 feet. Three hundred-seventy feet 12-inch column pipe. Reported 2,000 gal/min and 58 gal/min/ft specific capacity in 1965. Aquifer test. Sample log. 4/
601	G. L. Bronson	--	old	200	16	200	QTal. Pgc	3,800	122.15 114.22	Jan. 26, 1960 Jan. 28, 1980	N	N	North well of two unused irrigation wells. Drilling rig abandoned over well (during deepening?). Reported 1,000 gal/min with a specific capacity of 20 to 25 gal/min/ft in 1959. Gamma-ray log. Probe reached soft bottom at 176 feet. 4/
903	Amarex, Inc.	--	1965	450	15	450	QTal, Pbcd?	3,736	114.08 124.86 123.0	May 8, 1965 Feb. 10, 1972 Feb. 12, 1974	N	N	Formerly well HL-47-18-701. Unused irrigation well. Cased to 450 feet. Estimated 1,280 gal/min and 9 gal/min/ft specific capacity in 1965. Aquifer test data. Gamma-ray log. Probe reached bottom at 408 feet. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	HL-47-13-101	El Paso Natural Gas Co.	--	old	36	10	--	Qal	--	14	Aug. 21, 1959	T, Ng	P	Yield reported at 45 gal/min on Aug. 21, 1959. Well supplies water for pumping stations. 6/
*	18-101	Six-Bar Cattle Co.	--	1930's	450	8	450	Pbcd	3,940	250.00	Apr. 2, 1970	C, E	N	Unused domestic and livestock well.
	701	--	--	--	450	--	--	QTal	--	240.6	May 11, 1965	N	N	Performance test well. Rept. 98.
	706	Amarex, Inc.	Fireball Irrigation, Inc.	1966	400	16	--	QTal, Pbcd?	3,774	171.8	Feb. 10, 1972	N	N	Unused irrigation well. Cased to 400 feet. Perforated and gravel packed. Reported 1,500 gal/min/ft specific capacity in 1966. Partial sample log indicates drilled to 600? feet; Gamma-ray log. Probe reached bottom at 342 feet.
	34-602	Corn Ranch	Capitan Drilling Co.	1966	304	7	304	QTal	3,682	95.6	Apr. 21, 1972	N	N	Abandoned industrial well formerly used as rig supply. Slotted 135 to 300 feet. Reportedly bail tested 40 gal/min. Water has a "gyp" taste.
*	37-801	E. L. Jones Est.	--	old	60	7	--	P	--	--	--	C, W	S	
*	43-202	Daniel Floek	J. B. Ewing	1953	550	16	--	QTal, Pbcd	3,784	223.54 253.46	Jan. 21, 1954 Jan. 12, 1978	T, G	Irr	Formerly well HL-47-43-301. Well C-141, Rept. 16. 4/
	502	do	--	old	190	6	--	QTal	3.720	154.02 156.10	Jan. 29, 1953 June 18, 1979	C, W	N	Unused livestock well. North well of 2 wells. Interval 1,650 to 2,320 feet reef limestone. Sonic, gamma-ray logs. Well C-134, Rept. 16. 3/ 4/
*	503	Daniel D. Floer	R. A. Foster	1956	578	14	578	QTal	3.784	251.0	Mar. 30, 1972	T, G	Irr	Yield 550 gal/min. Well originally drilled in 1956 to 290 feet and was deepened in 1967.
*	601	Myrtle Rosch Est.	--	1956	350	6	--	QTal	3.835	300.3	Dec. 4, 1972	C, W	S	
*	701	Watson Ranch	--	old	173	5	--	QTal	3,687	140.58	Jan. 23, 1965	C, W	S	Discharged 1½ gal/min on Mar. 6. 1972. Well C-135, Rept. 16. 1/
	802	do	--	--	--	14	--	QTal	3,689	142.35 146.84	Jan. 23, 1970 Feb. 4, 1981	P, G	S	4/
*	45-102	E. L. Jones Est.	--	1963	70	6	30	P	--	--	--	S, E	D, S	
*	501	J. B. Foster	--	old	14	12	--	Pgc	--	8.5	Aug. 13, 1970	C, W	S	"Mutt" mill.
*	46-401	do	--	old	63	7	--	Por	--	39.7	do	C, W	S	
*	601	G. S. Rachal Est.	--	--	430	7	--	Por	--	--	--	C, W	S	
*	602	Republic National Bank of Dallas, Trustee	--	--	320	7	--	Por	--	317.0	Oct. 7, 1970	C, W	N	
*	802	J. B. Foster	--	old	--	6	--	Por	--	--	--	C, W	S	
*	47-101	G. S. Rachal Est.	--	1944	552	6	--	Por	--	324.4	Oct. 7, 1970	C, W	S	
*	701	Republic National Bank of Dallas, Trustee	--	old	230	6	--	Por	--	203.1	Oct. 6, 1970	C, W	S, D	
*	801	G. S. Rachal Est.	--	old	180	6	--	Por	--	164.4	Oct. 7, 1970	C, W	S	Temp. 72°F.
*	901	Palafox Expl. Co.	--	--	450+	7	--	Kce-Kct	3,575	--	--	C, W	S	
*	902	Republic National Bank of Dallas, Trustee	--	--	187	7	--	QTal	3,498	139.4	Oct. 6, 1970	C. W	S	

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
HL-47-50-901	Jerry R. Powell	H. E. Stanton	1977	1,467	16 13	870 1,467	Pgc	3,780	--	--	--	Irr	
* 51-301	Myrtle R. Rosch Est.	--	--	150	5	--	QTal	3,674	80	Feb. 17, 1971	C, W	S	"Lower" well. At old Durrill line camp.
501	Pansy D. Clegg	--	old	187	5	--	QTal	3,702	151.56 175.16	May 11, 1950 Jan. 17, 1978	C, W	N	"Medley Double" wells. Discharged 3 gal/min on Dec. 13, 1972. Well C-103, Rept. 16. 4/
* 502	do	R. A. Foster	1963	302	8 7	184 302	QTal	3,687	137.8 139.0	Feb. 11, 1971 Apr. 12, 1972	C, W	S	"Wildhorse Creek" well. Casing 8-inch to 184 feet. Six and five-eighths inch liner to 302 feet. Slotted 184 to 302 feet. Set 150 feet 2½-inch column pipe. Discharging 3½ gal/min on Mar. 12, 1972. 3/
* 601	Buelah D. Espy	--	1940's	200	5	--	QTal	3,702	158.0	Feb. 17, 1971	C, W, G	S	"North" well.
* 704	W. R. Cottrell	--	--	450?	16	--	QTal	3,732	179.05 199.15	Jan. 27, 1953 Jan. 28, 1970	T, Ng	Irr	Temp. 78°F. Well 128, Rept. 16. Owner's well No. 5. Discharge 1,880 gal/min on Mar. 28, 1972, and 1,700 gal/min on Apr. 19, 1973. 1/
706	A. J. Schneider Trust	--	--	500	16 14	--	QTal	3,740	209.72 190.56	Apr. 23, 1966 Sept. 15, 1981	N	N	Drilled for irrigation. Reported 16-inch casing collapsed. Installed 14-inch liner. Tested at 300 gal/min and abandoned. 4/
708	Wildhorse Farms	Earl Fisher	1960	600	16	600	QTal	3,751	236.87 249.00	Jan. 19, 1967 Feb. 4, 1981	T, Ng	N	Abandoned irrigation well. Discharge reported 900 gal/min, Mar. 1960 and 540 gal/min on July 18, 1967. Slotted 302 to 600. Owner's well No. 6. 4/ 9/
* 710	W. R. Cottrell	do	1960	746	16	746	QTal, Kc?	3,751	192.0 215.2	Aug. 5, 1960 Nov. 12, 1972	T	Irr	Temp. 80°F. Formerly well HL-47-51-402; owner's well No. 9. Originally drilled to 1,096 feet. Set 746 feet with 450 feet of slots. Measured discharge 1,880 gal/min on Aug. 10, 1966, 1,550 gal/min on July 10, 1967, and 1,670 gal/min on Aug. 8, 1968.
715	G. W. Hunter	--	1949	500	16	455	QTal	3,753	218.0	Dec. 11, 1972	T, N	N	Unused irrigation well; open hole 455 to 500 feet; perforated 255 to 455 feet; first irrigation well drilled in Wildhorse. 3/
716	D. V. and D. W. St. Clair	--	1952	476	16	--	QTal	3,730	177.48 215.46	Jan. 27, 1953 Jan. 24, 1980	N	N	Abandoned irrigation well. Formerly well HL-47-51-703 of USGS. and formerly well 47-51-707 of TDWR. Discharge 1,880 gal/min on Aug. 10, 1966. Gamma-ray log. Reported well was abandoned after water became salty. 1/ 3/
801	Wildhorse Farms	--	--	400	16	--	QTal	3,718	167.05 195.46	Jan. 27, 1953 Jan. 24, 1980	N	N	Abandoned irrigation well. Owner's well No. 10. Well C-130, Rept. 16. 4/
* 802	McPhearson & Cotes	--	--	414	14	--	QTal	3,722	189.25	Jan. 19, 1967	T, Ng	Irr	Temp. 76°F. Well C-124, Rept. 16. Measured discharge 565 gal/min Aug. 10, 1966. 920 gal/min on Aug. 13, 1968, and 540 gal/min on July 17, 1972. 1/
* 804	W. R. Cottrell	--	--	450	16	350	QTal	3,731	178.84 211.24	Jan. 27, 1953 Jan. 24, 1980	T	Irr	Owner's well No. 2. Perforated 350 to 450 feet. Measured discharges 1,000 gal/min on Aug. 10, 1966; 1,130 gal/min on July 11, 1967; and 820 gal/min on Aug. 13, 1968. Well C-129, Rept. 16. 4/
806	M. O. Webb	--	1958	457	16	320	QTal	3,737	217.15 219.56	Jan. 19, 1967 Feb. 4, 1981	T, Ng	Irr	Measured discharges 1,470 gal/min on Aug. 10, 1966; 1,270 gal/min on July 18, 1967; 1,150 gal/min on Aug. 13, 1968; and 1,060 gal/min on Apr. 19, 1973. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* HL-47-51-902	Tiny Smith Est.	--	1951	500+	16	500+	QTal	3,754	199.90 226.30	Jan. 29, 1953 Feb. 4, 1981	T, Ng	Irr, S	Used for livestock water only in 1972. Measured discharges 235 gal/min on Aug. 10, 1966; 274 gal/min on July 18, 1967; and 225 gal/min on July 13, 1968. Well C-125, Rept. 16. 4/
52-101	C. G. Durrill Est.	--	1969	350	12	--	Pgc	3,815	286.3 290.6	Nov. 24, 1970 Apr. 4, 1972	T, N	N	Unused industrial well. Drilled to supply water for construction of FM 2185.
* 201	Elcor Chemical Corp.	H. H. Virpeu	1966	773	7	--	Pgc	4,218	675	Dec. 1966	S, E, 20	D, S	Log shows limestone from 1-773 feet. Casing perforated 733 to 773 feet. Water from porous zones 695 to 725, 750 to 760, and 765 to 773 feet. 3/
* 301	do	Woolfolk Engineering Co.	1968	1,713	18	1,163	Pgc	4,548	1,008 1,017	June 1968 Dec. 1973	S, E, 500	N	Abandoned industrial well. Owner's well No. 2. Drilled to 1,713 feet. Set 18-inch casing to 1,163 feet and cemented with 5 yards cement. Acidized open hole from 1.163 to 1,722 feet with 20,000 gallons 28% HCl. Set 6-inch column pipe and 16 stages, 10-inch bowls at 1,168 feet. Development test by W.H.B. Pump Co., Midland, Texas, June 1968. Drawdown of 82 feet, discharging 397 gal/min for 2½ hours.
302	do	--	--	--	--	--	Pgc	4,638	--	--	C, Ng	N	Unused industrial well.
* 401	do	--	old	250	6	--	QTal	3,767	235.1	Apr. 4, 1972	C, W	S	Formerly supplied Jones Ranch headquarters.
501	do	Continental Geophysical Co.	1966	442	N	--	--	3,782	236	Feb. 11, 1966	N	N	Test hole. Elcor No. 2. Log shows soil and caliche to 20 feet; clay, sand, and gravel from 20 to 400 feet; and tan limestone from 400 to 442 feet.
601	do	Woolfork Engr. Co.	1968	1,421	18	1,266	Pgc	4,587	1,051 1,043	Jan. 1968 Dec. 1973	T, E, 500	N	Unused industrial well. Owner's plant water well No. 1. Open hole 1,266 to 1,421 feet. Reportedly tested 396 gal/min for 27 hours in Jan. 1968.
* 602	do	do	1968	1,560	18 13	1,241 1,560	Pgc	4,594	1,063.0	June 1968	S, E	N	Abandoned industrial well. Owner's well No. 3. Drilled 20-inch hole to 1,250 feet. Set 1,241 feet 18-inch casing, drilled 17-inch hole to 1,303 feet and 12¼-inch from 1,303 to 1,560 feet. Acidized with 20,000 gallons of 28% HCl. Reported drawdown of 87.8 feet, pumping 1,100 gal/min for 27 hours July 26 to 27, 1968. Aquifer test data. 3/
* 53-401	J. B. Foster	Humble Oil and Refining Co.	1944	5,417	6	--	Pgc	5,060	1,520 1,570	1960 Aug. 13, 1970	S, E	D, S	Humble Oil and Refining Co. Reynolds Cattle Co. No. B-1. Drilled to 5,417 feet as an oil test, plugged back to an unknown depth, and converted to a water well. Temp. 80°F.
* 54-201	do	--	--	160	6	--	K	3,756	78.9	Aug. 14, 1970	C, W	S	Temp. 70°F.
* 204	do	--	--	--	5	--	K	3,837	--	--	C, W	S	
* 302	G. S. Rachal Est.	--	old	280	6	--	Por	3,717	162.4	Oct. 6, 1970	S, E, 1	S	Pump set at 200 feet.
* 603	J. B. Foster	--	--	550	7	--	K	3,940	510	Aug. 14, 1970	C, W	S	
55-102	do	Hicks and Puckett	1968	358	12 9	-- 358	K	3,690	179.8	Aug. 12, 1970	N	N	Unused industrial well. Owner's south well. Formerly used in construction of railroad spur.
103	do	do	1968	357	12 9	-- 357	K	3,682	177.2	Aug. 12, 1970	N	N	"North" windmill. Former industrial well. Used during construction of railroad spur.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* HL-47-55-104	Republic National Bank of Dallas, Trustee	--	--	270	6	--	LK	3,633	--	--	C, W	S	
201	do	--	1968	1,786	6	343	LK	3,607	--	--	J, N	N	Unused industrial well. Plugged back to 343 feet.
* 203	do	--	--	275	--	--	Por	3,566	--	--	C, W	S	Temp. 74°F.
* 401	J. B. Foster	--	old	1,000	8	--	Kct	3,664	158.3	Aug. 12, 1970	C, W	S	
* 405	TXL	--	--	400	5	--	LK	3,848	370	July 29, 1960	C, W	S	Temp. 73°F.
* 604	do	--	1920's	3,180	9	--	Kce-Kct	3,717	269.5	Oct. 6, 1970	C, W	S	Old oil test well. Temp. 74°F.
* 701	John Yearwood	--	--	650+	8	--	K	3,861	325.9	May 30, 1959	C, W	S	Temp. 76°F.
* 801	do	--	1958	407	8	--	K	3,795	270.5	Aug. 12, 1970	C, W	S	
* 802	do	--	--	--	6	--	K	3,898	363.7	do	S, E	S	Temp. 74°F.
* 901	do	--	--	1,150+	9	--	LK	3,926	172.1	do	C, W	S	
* 56-103	Palafox Exploration Co.	--	--	357	6	--	Kce-Kct	3,446	19.3	Aug. 6, 1970	C, W	S	
* 104	do	--	--	36	7	--	Kce-Kct	3,441	25.05	Aug. 5, 1970	C, W	D, S	
* 701	John Yearwood	--	old	348	8	--	Kce-Kct	3,835	345.8	Nov. 23, 1970	C, W	S	
58-201	Jerry R. Powell	H. E. Stanton	1978	671	16	550	QTal, K	3,983	--	--	T, E	Irr	Open hole 550 to 671 feet.
202	do	do	1978	1,141	16 12	595 1,110	QTal, K	4,000	482.4	July 22, 1980	T, E	Irr	Open hole 1,110 to 1,141 feet. 3/
305	do	do	1977	1,380	16 12	975 1,380	QTal, K	3,795	--	--	T, E	Irr	Owner's well No. 17. Slotted from 482 to 975 and 1,075 to 1,380 feet. 3/
306	do	do	1977	1,475	16 12	502 1,475	QTal, K	3,858	--	--	T, E	Irr	Owner's well No. 21. Slotted from 702 to 812 and 917 to 1,475 feet. Lost circulation in brown limestone at 1,410 feet. 3/
307	do	do	1977	1,363	16 12	885 1,363	QTal, K	3,820	--	--	T, E	Irr	Owner's well No. 16. Slotted from 499 to 885 and 1,042 to 1,363 feet. 3/
308	do	do	1977	1,255	16 12	942 1,225	QTal, K	3,795	--	--	T, E	Irr	Owner's well No. 10. Slotted from 463 to 942 and 1,060 to 1,225 feet. 3/
309	do	do	1977	1,230	16 12	960 1,230	QTal, K	3,850	--	--	T, E	Irr	Owner's well No. 9. Slotted from 474 to 960 and 1,100 to 1,230 feet. Lost circulation in sand and limestone at 1,180 feet. 3/
310	do	do	1977	1,415	16 12	930 1,415	QTal, K	3,825	--	--	T, E	Irr	Owner's well No. 8. Slotted from 456 to 930 and 1,080 to 1,419 feet. 3/
311	do	do	1977	1,160	16 12	953 1,160	QTal, K	3,890	--	--	T, E	Irr	Owner's well No. 6. Slotted from 500 to 953 and 1,065 to 1,160 feet. Gray limestone from 1,110 to 1,160. 3/
312	do	do	1977	1,520	16 12	926 1,520	QTal, K	3,853	--	--	T, E	Irr	Owner's well No. 5. Slotted from 500 to 1,189 and 1,290 to 1,420 feet. 3/
313	do	do	1977	1,286	16 12	926 1,286	QTal, K	3,825	--	--	T, E	Irr	Owner's well No. 4. Mill slotted from 500 to 978 and 1,221 to 1,286 feet. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
HL-47-58-501	City of Van Horn	L. W. Stratton	1958	600	24 3	50 600	QTal	4,045	472.00	1958	N	N	Old city well No. 3. Casing collapsed. Well was abandoned in 1970. 3/
502	do	R. A. Foster	1970	603	3	603	QTal	4,045	--	--	T, E, 100	P	New city well No. 3 (Courthouse well). Set and cemented 24-inch casing to 50 feet, set 12 3/4-inch to 603 feet. Slotted 503-603 feet, gravel packed. Reported 85 feet of drawdown pumping 450 gal/min for 24 hours in 1970. 3/
503	do	--	1931	602	12	589	QTal	4,055	490 540.8	May 1944 Oct. 4, 1973	S, E	P	City well No. 1 (Office well). Casing slotted 524-589 feet. Reported drawdown of 23 feet, pumping 172 gal/min in 1973. Aquifer test data.
504	do	Layne Texas Co.	1948	625	13 11	496 588	QTal	4,058	490 505.6	Aug. 1948 Oct. 3, 1973	N	N	Old city well No. 2 (Thrift well), drilled to 625 feet. Set 12 3/4-inch casing to 496 feet and cemented with 250 sacks cement. Set 10 3/4-inch from 471-588 feet, slotted 497-588 feet. Reported pumping 130 gal/min in 1972. Pump pulled and abandoned in 1972. Replaced by well HL-47-58-506 60 feet southeast in 1973. Measured drawdown of 2.5 feet with well HL-47-58-506 pumping 500 gal/min for 40 minutes on Oct. 3, 1973. 3/
505	do	Dixon Pump & Equipment Co.	1964	755	18 13 11	350 627 704	QTal	4,033	474 477.8	1964 Dec. 18, 1972	S, E	P	City well No. 4 (Sanchez well), set and cemented 18-inch casing to 350 feet. Set 12 3/4-inch to 627 feet, and 10 3/4-inch from 615-704 feet. Slotted casing from 525-704 feet. Set 585 feet of 6-inch column pipe. Reported 56 feet drawdown pumping 570 gal/min for 12 hours in 1964. 3/
506	do	Big "3" Machine & Supply, Inc.	1973	808	14	808	QTal	4,058	503	June 23, 1973	T, E, 100	P	New city well No. 2 (Thrift well), driller reported hard rock at 810 feet. Slotted 481-541, 556-617, 632-692, and 707-798 feet. Total slotted interval 272 feet, gravel-packed with 37 yards. Set 650 feet of 8-inch column pipe and 15 stages of 8-inch bowls. Water level recovered 22.5 feet in 8 days after pumping 442 gal/min in June 1973. Reported 27 feet drawdown pumping 530 gal/min intermittently in Sept. 1973. 3/ 6/
601	Howard C. Chapman	Ralph Bradley	1960	726	14	--	QTal	3,905	363.85 368.22	June 5, 1970 Feb. 17, 1977	N	N	Abandoned irrigation well. Drilled 20-inch hole, set 14-inch casing with 241 feet of perforations, gravel-packed. Reported tested at 950 gal/min. 3/ 5/
602	Gorman Welch	Owner & Cook Drilling Co.	1972	648	14	648	QTal	3,925	385 388.8	Mar. 1972 Sept. 19, 1973	T, G	Ind, Irr	Drilled to 442 feet by owner, deepened to 648 feet by Cook Drilling Co. Reamed to 20-inch hole, set 14-inch casing, slotted 385-648 feet, packed annulus with 35 yards of gravel. Set 480 feet of 6-inch column pipe and 22 stages of 6-inch bowls. Reported drawdown of 20 feet pumping 550 gal/min for 24 hours in 1972. Drawdown of 602 feet pumping 220 gal/min for 12 hours on June 13, 1974. Used for highway construction and irrigation. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
HL-47-58-603	Culberson County Airport	Xana Corp.	1974	--	--	--	--	3,915	--	--	N	N	U.S. Geological Survey Culberson County Airport No. 1 water test hole. Drilled clay, sand, and gravel from surface to 1,145 feet; well-cemented conglomerate (base of alluvial fill) 1,145-1,205 feet; and poorly to well-cemented sandstone 1,265-1,306 feet (Cretaceous Cox Formation). Progressively plugged back and jetted water samples from intervals 1,083-1,115, 1,205-1,237, and 552-584 feet. Partial sample, electric, caliper, drill-time, and radioactive logs. 3/ 6/
604	Jerry R. Powell	H. E. Stanton	1977	1,416	16 12	600 1,416	QTal, K	3,930	--	--	T, E	Irr	Owner's well No. 20. Slotted from 490 to 600 and 970 to 1,416 feet. Gray limestone from 1,270 to 1,416. 3/
605	do	do	1977	1,385	16 12	972 1,355	QTal, K	3,887	--	--	T, E	Irr	Owner's well No. 3. Mill slotted from 481 to 978 and 1,260 to 1,355. Open hole 1,355 to 1,385 feet. 3/
606	do	do	1977	1,415	16 12	932 1,315	QTal, K	3,852	--	--	T, E	Irr	Owner's well No. 2. Mill slotted from 490 to 1,315 feet. Open hole from 1,315 to 1,415 feet. 3/
607	City of Sierra Blanca	R. L. Guffey, Inc.	1980	1,015	13	1,000	QTal, Tv	3,955	421.6	July 22, 1980	T, E	P	Owner's well No. 2. Yield reported at 750 gal/min with a specific capacity of 20.9 gal/min/ft.
608	City of Van Horn	do	1979	1,065	13	1,010	QTal, Tv	3,955	--	--	T, E, 150	P	Owner's airport water well No. 1. Yield reported at 800 gal/min.
703	Mrs. H. B. Mann	Cook Drilling Co.	1972	725	10	--	QTal	4,140	559.6 563.5	Nov. 17, 1972 Sept. 19, 1973	N	N	Abandoned industrial well. Drilled to supply water for highway construction. Yield reported insufficient. 3/
902	Dr. B. C. Lipsey	R. A. Foster	1956	435	17	--	QTal	3,882	330 341.10 347.27	1956 Jan. 23, 1970 Feb. 4, 1981	T, G	N	Abandoned irrigation well. Casing perforated 330 to 430 feet. Set 360 feet of 6-inch column pipe. Reported pumped 600 gal/min in 1960. Not used since 1961. Well C-159, Rept. 16. 4/
* 59-101	C. C. Brookshier	--	1952	625	16	625	QTal	3,766	212.96 228.19 244.43 242.33	Jan. 29, 1953 Feb. 10, 1962 Dec. 4, 1972 Jan. 25, 1980	T, Ng	Irr	Casing perforated 425 to 625 feet. Discharged 380, 575, and 510 gal/min on Aug. 10, 1966, July 18, 1967, and Apr. 30, 1968, respectively. Well C-137, Rept. 16. 4/
* 102	J. W. (Dub) Wooten	Brewster Bros.	1960	542	16	240	QTal, K	3,787	244.0 258.2	May 4, 1961 Dec. 12, 1972	T, Ng	Irr	Casing perforated 240 to 511 feet in alluvium. Open hole 511 to 542 feet in limestone. Drawdown of 41 feet pumping 1,100 gal/min for 13 days in May 1961. Gamma-ray and neutron logs. Aquifer test data.
103	M. & M. H. Hall	L. W. Stratton	1950	950	N	--	QTal, K	3,793	238.09	Jan. 27, 1953	N	N	Drilled for irrigation. Casing pulled in 1954. Log shows shale, sand, and gravel to 558 feet; hard sand 558-598 feet; and varicolored shale and lime 598-950 feet. 2/ 3/
* 104	C. C. Brookshier	do	1952	660	16	460	QTal	3,773	221.27 235.78 253.59 251.25	do Jan. 6, 1963 Dec. 4, 1972 Jan. 11, 1978	T, Ng	Irr	Casing perforated 460 to 660 feet. Discharged 1,150 and 720 gal/min on July 18, 1967, and Apr. 30, 1968, respectively. Well C-139, Rept. 16. 4/
* 106	A. F. Walker	--	--	500+	14	--	QTal	3,752	198.35 214.07 220.88 223.96	Jan. 27, 1953 Feb. 6, 1963 Mar. 21, 1972 Jan. 11, 1978	N	N	Discharged 644 gal/min on July 18, 1967. Well C-126, Rept. 16. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
HL-47-59-116	Jerry R. Powell	H. E. Stanton	1977	1,230	16 12	471 1,230	QTal	3,797	--	--	T, E	Irr	Owner's well No. 7. Slotted from 471 to 1,230 feet. 3/
117	do	do	1977	1,040	16 12	448 1,040	QTal, K	3,802	--	--	T, E	Irr	Owner's well No. 12. Slotted from 448 to 700 feet. Open hole from 700 to 1,040 feet. 3/
118	do	do	1977	1,120	16	540	QTal. K	3,792	--	--	T, E	Irr	Owner's well No. 14. Slotted from 440 to 540 feet. Open hole from 540 to 1,120 feet. Lost circulation at 910 feet in green-blue limestone. 3/
120	do	do	1977	1,263	16 12	945 1,263	QTal, K	3,775	--	--	T, E	Irr	Owner's well No. 11. Slotted from 481 to 1,263 feet. 3/
* 201	P. S. Hall	L. W. Stratton	1951	552	16	--	QTal, K?	3,775	221.39 228.35 232.72	Jan. 24, 1954 Feb. 9, 1961 Jan. 24, 1980	T, Ng	Irr	Log shows shale, sand, and gravel to 527 feet; blue shale (Cretaceous?) from 527 to 552 feet. Drawdown of 66 feet pumping 600 gal/min for 48 hours in June 1961. Discharged 520 gal/min on May 12, 1968. Aquifer test data. Well C-120, Rept. 16. 4/
* 203	Stephens & Hall	--	1950	550	16	--	QTal, K?	3,775	218.91 231.99 248.80	May 11, 1950 Feb. 9, 1962 Jan. 24, 1980	T, Ng	Irr	Well C-100, Rept. 16. 4/
* 204	Wildhorse Farms	--	--	--	--	--	QTal, K?	3,772	212.02 220.70	May 11, 1950 Jan. 23, 1956	T, Ng	Irr, P, S	Headquarters well, owner's well No. 23. Discharge 518 gal/min on Sept. 12, 1951. 1/
206	P. S. Hall	--	1951	599	16	--	QTal, K?	3,786	230.96 245.26 263.12	Mar. 3, 1951 Feb. 6, 1963 Feb. 4, 1981	S, E	D	Drilled for irrigation. Converted to domestic supply. Reported blue shale 552 to 562 feet and limestone 562 to 599 feet. Well C-118, Rept. 16. 4/
* 208	Wildhorse Farms	--	--	406	16	--	QTal, K?	3,757	218.08 228.18	Jan. 19, 1967 Feb. 4, 1981	N	N	Discharged 683 and 610 gal/min on July 18, 1967 and Apr. 30, 1968, respectively. 4/
209	Southwest Land Corp.	Big "3" Machine & Supply, Inc.	1971	612	13	--	K	3,790	260	Nov. 1971	S, E, 20	P, S, Irr	
215	Jerry R. Powell	H. E. Stanton	1978	912	16 12	580 912	QTal. K	3,780	--	--	R, E	Irr	Slotted 455 to 912 feet. Lost circulation at 863 feet in yellow limestone. 3/
216	do	do	1978	1,320	16 12	468 1,200	QTal. K	3,773	--	--	T, E	Irr	Slotted from 394 to 693 and 775 to 875 feet. Open hole 1,200 to 1,320 feet. 3/
217	do	do	1978	1,465	16	470	QTal, K	3,769	--	--	T, E	Irr	Slotted 379 to 470 feet. Open hole 470 to 1,465 feet. 3/
* 301	D. H. Brewster	L. W. Stratton	1950	410	16	--	QTal, K	3,774	218.34 233.44 250.07	Mar. 3, 1951 Feb. 10, 1962 Jan. 25, 1980	N	N	Abandoned irrigation well. Well C-116, Rept. 16. 4/
* 302	do	R. A. Foster	1953	500	16	500	QTal, K?	3,792	238.90 250.60 284.17	Jan. 22, 1955 Jan. 1, 1965 Jan. 25, 1980	T, Ng	Irr	Discharge 680, 741, and 650 gal/min on Aug. 18, 1967, and Apr. 30, 1968, respectively. Well C-144, Rept. 16. 4/
* 303	W. H. & J. A. Nessmith	--	--	500	14	--	QTal, K?	3,781	--	--	T, Ng	Irr	Discharged 430 gal/min, Apr. 30, 1968.
401	Milwhite Inc.	Wheeler Cass	1960	400	8	--	K	3,905	360	1960	S, E, 3	Ind	Supplies office and drinking water at talc processing plant. Log shows caliche, clay, and gravel to 330 feet; yellow sandstone (Cretaceous) from 300 to 400 feet. Casing perforated 330 to 400 feet. Reported discharge 25 gal/min.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	HL-47-59-403	Jerry R. Powell	H. E. Stanton	1977	1,380	16	804	QTal, K	3,824	--	--	T, E	Irr	Slotted from 442 to 804 feet. Open hole 804 to 1,380 feet. Pumped 1,800 gal/min on July 22, 1980. 3/
	404	do	do	1977	880	16	534	QTal, K	3,806	--	--	T, E	Irr	Slotted from 429 to 534 feet. Open hole 534 to 880 feet. 3/
	503	Texas Dept. of Highways and Public Transportation	Cook Drilling Co.	1972	681	10	609	K, P?	3,880	--	--	T, G	Ind	Supplies water for construction of Interstate 10. Drilled to 609 feet. Set 10-inch casing with perforations from 359-609 feet. Reported deepened to 681 feet with no increase in water. Acidized hole. Set 650 feet of 8-inch column pipe and 21 stages of 8-inch bowls. Discharged 520 gal/min on Dec. 15, 1972. Log shows clay, sand, and gravel to 203 feet, limestone and shale 203 to 681 feet. Water from honeycomb lime 438-440 feet. 3/
*	601	Hugh Wolfe	--	old	--	6	--	QTal	3,821	279.0	Feb. 18, 1971	C, W	S	6/
*	901	Albert Ivy	--Payne	1936	700	5	--	P	4,103	--	--	C, G	S	Called "Canyon" well. 6/
*	60-401	Evergreen Farms	--	old	360	6	360	QTal	3,882	340	Feb. 1968	C, E	S	6/
*	404	do	Bippy Taylor	1970	620	16	590	QTal	3,883	344 345.95 377.15	Apr. 29, 1970 Feb. 19, 1971 Jan. 24, 1980	T, Ng	Irr	Owner's test hole and well No. 1. Casing perforated 350 to 592 feet. Set 580 feet of 10-inch column pipe. Reported drawdown of 175 feet pumping 1,120 gal/min for 24 hours. 4/
*	601	George Walker	R. A. Foster	1967	600	8	--	P	4,042	500	Feb. 1973	S, E, 7	D	Supplies house and service station. Perforated below 505 feet. Pump set at 595 feet. Log shows caliche to 3 feet, white sand rock 3 to 146 feet, brown shale 146 to 232 feet. and brown, gray, and white limestone 232 to 600 feet. Reported water from cracks in lime 587 to 595 feet. Reported drawdown of 85 feet pumping 25 gal/min for 8 hours in 1967. 3/
*	603	do	--	1942	600	6	--	P	4,049	420	--	C, E	S	Reported weak well and "gyppy" water.
	701	Evergreen Farms	Bippy Taylor	1970	660	16	655	QTal	3,898	367.00 365.90 380.83	July 11, 1970 Feb. 23, 1971 Feb. 4, 1981	T, Ng	Irr	Owner's test hole and well No. 2. Log shows alluvium to total depth. Casing slotted 350 to 655 feet, set 600 feet of 10-inch column pipe. Reported drawdowns of 160 feet pumping 2,200 gal/min and 93 feet pumping 1,500 gal/min for 24 hours. 3/ 4/
*	61-401	Reynolds Land & Cattle Co.	--Geaslin	1908	577	6	--	P	4,085	550 550 493.17	1943 Dec. 13, 1962 Dec. 18, 1970	C, W	S	Called "deep" well. Reported drilled to 600 feet, cleaned out to 577 feet by L. W. Stratton in 1962. Water from "rotten" places in limestone. Set 568 feet of 2-inch column pipe.
*	403	do	R. A. Foster	1969	740	6	740	P	4,218	691	Mar. 1, 1969	C, W	S	Log shows boulders to 2 feet; white, gray, and brown limestone, yellow and black shale, and white sandstone 2 to 395 feet; bedrock. Red shale 395 to 731 feet, and hard gray limestone 731 to 740 feet. 3/
*	62-902	do	Hicks & Puckett	1967	490	7	490	K	4,474	290	1967	C, W	S	Yield 5 gal/min. 3/
	63-401	do	E. E. Doyal	1957	1,004	6	1,004	Pgc	4,460	920	Jan. 1968	C, Ng	P	West Kent well No. 1. 6/
*	64-101	Banky Stocks	Johnson Drilling Co.	1963	1,300	20 12	30 348	Kce-Kct	3,872	359.6	Mar. 13, 1970	T, G	Irr	Originally drilled to 3,405 feet. Plugged back to 1,300 feet. Open hole 348 to 1,300 feet. Radioactivity log. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* HL-51-02-901	W. P. Sauer	Fred Scroggins	1949	380	16	--	QTal	3,947	90.50 229.32	Feb. 8, 1951 Jan. 15, 1973	T, Ng	Irr	Set 240 feet of 8-inch column pipe and 4 stages of 10-inch bowls. Discharge 585 gal/min in 1967. Irrigated 80 acres of cotton and feed in 1973. Well S-18, Rept. 16. 1/
* 903	Barnabus (Joe) Smallwood	L. W. Stratton	1950	421	16	--	QTal	3,947	102.4 195.9 233.42 251.41	Feb. 8, 1951 Feb. 7, 1963 Jan. 18, 1973 Jan. 24, 1976	T, Ng	Irr	Log shows alluvium to total depth. Measured discharges of 720 and 830 gal/min in 1967, 1968, and 1973. Well S-24, Rept. 16, Bull. 5415. 2/ 3/
906	E. R. Filley Trust	do	1949	364	16	--	QTal	3,940	132.24 194.76 235.18	June 22, 1949 Feb. 7, 1963 Feb. 4, 1981	N	N	Abandoned irrigation well. Reported drawdown of 75 feet pumping 1,150 gal/min when drilled. Gamma-ray log to 364 feet. Well S-12, Rept. 16, Bull. 5415. 4/
* 907	do	do	1950	407	16	407	QTal	3,943	141.10 198.98	May 2, 1950 Feb. 6, 1963	T, Ng	Irr	Set 300 feet of 8-inch column pipe. Discharged 785 gal/min on May 17, 1973. Log shows alluvium to total depth. Well S-13. Rept. 16, Bull. 5415. 1/ 3/
911	Cecil Shearer	R. Guffey	1955	574	16 12	490 549	QTal	3,956	164.30 239.68	Jan. 24, 1956 Jan. 23, 1980	T, E	Irr	Slotted 320-490 feet. Discharged 970 gal/min with pumping level at 264 feet on Aug. 15, 1973. Well S-15a, Rept. 16. 4/
912	Barnabus (Joe) Smallwood	--	--	--	14	--	QTal	3,952	180.05 198.99 246.37	Jan. 27, 1960 Feb. 9, 1962 Feb. 4, 1981	T, Ng	Irr	4/
923	Southern Pacific Railroad	O. E. Lindholm	1917	437	12 10 8	80 222 437	QTal	3,943	234.5	Jan. 15, 1973	N	N	Abandoned industrial well. Perforated 162 to 202 and 397 to 437 feet. Initial yield reported at 150 gal/min with 6 feet of drawdown.
924	do	J. W. Jackson	1929	426	12 8 6	370 400 426	QTal	3,944	227.0	Jan. 13, 1972	P, E, 1½	P	Provides water for section crews. Screened 367 to 425 feet. 3/
926	do	--	--	438	16	--	QTal	3,965	162.05 205.08 252.18	Jan. 28, 1957 Feb. 7, 1963 Feb. 4, 1981	T, Ng	Irr	Formerly well HL-51-03-701. Casing slotted 180 to 400 feet. Set 340 feet of 8-inch column pipe. Drawdown of 17.7 feet pumping 250 gal/min for 23 hours in May 1961. Discharged 600 gal/min on Aug. 11, 1966 and 550 gal/min on Apr. 29, 1968. Aquifer test data. 4/
* 03-701	Clayton McDonald	John T. Sparks	--	400	14	--	QTal	4,016	281.9	Jan. 15, 1973	T, Ng	Irr	Formerly well HL-51-03-703. Reported well is partly caved. Well S-19a, Rept. 16. Performance test well.
* 04-202	Evergreen Farms	--	1960's	500+	5	--	P	4,014	476.8	Feb. 23, 1971	C, G	S	Replace old "Alkaseltzer" well.
* 301	Shelby Brooks	--	old	--	6	--	Pgc	--	435	Feb. 24, 1971	C, W	S	Unable to go below 435 feet with steel tape.
* 06-204	Reynolds Land & Cattle Co.	--	--	600	9	--	Tv	--	201.0	Mar. 19, 1971	C, W	S	
* 10-305	Pete Green	L. W. Stratton	1960	521	16	325	QTal, Tv	3,994	202.4 242.0 245.2	July 13, 1960 Jan. 6, 1972 Jan. 17, 1973	T, Ng	N	Unused irrigation well No. 10. Drilled to 521 feet. Log shows alluvium to 269 feet, and hard lava, red rock and red shale (volcanics) 269 to 521 feet. Set casing with slotted interval 200 to 325 feet. Gravel-packed annulus. Set 260 feet of 8-inch column pipe. Drawdown of 37.1 feet pumping 600 gal/min for 9 days in 1960. Discharged 215 gal/min on July 1967 and 160 gal/min on Apr. 1968. Used only for livestock supply in 1972. Not pumped in 1973. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* HL-51-10-309	Ted Brewster	--	1949	350	14	350	QTal, Tv	3,986	105 201.67 236.91	June 29, 1949 Feb. 10, 1962 Jan. 23, 1980	T, Ng	Irr	Log shows alluvium to 200 feet, no record 200 to 280 feet, lava 280 to 310 feet, sand and gravel 310 to 350 feet, and hard rock at 350 feet. Reported drawdown of 35 feet pumping 1.110 gal/min in 1949. Discharged 540 gal/min on May 17, 1973; Well S-49, Rept. 16. 4/
* 323	I. W. Smallwood	Fred Scroggins	1950	350	16	350	QTal	3,971	141.78 203.50 248.48 253.11	Jan. 23, 1954 Feb. 10, 1962 Dec. 8, 1972 Jan. 23, 1980	T, Ng	Irr	Discharged 640, 940, and 540 gal/min on Aug. 16, 1968, Jan. 17, 1973, and Apr. 11, 1973, respectively. Well S-43a, Rept. 16, Bull. 5102 and 5415. 4/
* 324	Brewster Farms	Brewster Farms	1966	605	16	605	QTal	3,985	202.23 231.13	Jan. 17, 1967 Jan. 18, 1973	T, Ng	Irr	Casing slotted 350 to 604 feet. Gravel packed. Set 290 feet of 10-inch column pipe and 5 stages of 14-inch bowls. 1/
* 331	C. L. Bell	--Threatt	1949	411	15	411	QTal, Tv?	3,985	79.74 157.34 198.74	June 22, 1949 Feb. 7, 1963 Jan. 23, 1980	T, E 150	Irr	Formerly well HL-51-11-101. Drawdown of 47 feet pumping 1,090 gal/min in 1951; pumping 1,630 gal/min from 10-inch pipe in 1973. 4/
* 334	J. H. Harper	R. A. Foster	1964	312	16	312	QTal	4,004	186.07 220.36	Nov. 8, 1966 Jan. 23, 1980	T, Ng	Irr	Formerly well HL-51-11-106. Casing slotted to total depth. Estimated discharge 700 gal/min on Jan. 16, 1973. Driller reported alluvium to 312 feet and hard rock (volcanics) below. 4/
* 335	Pete Green	Ted Lindeman	1949	267	16	267	QTal, Tv	4,003	95 161.15 209.14	Sept. 15, 1949 Feb. 10, 1961 Jan. 23, 1980	T, Ng	Irr	Owner's well No. 5. Driller reported lava wash 234 to 240 feet, lava 240 to 262 feet, and black lime 262 to 267 feet. Water from "honeycombed" rocks. Casing slotted 67 to 267 feet. Has 240 feet of 10-inch column pipe. Discharged an estimated 1,400 gal/min on Apr. 10, 1973. Well S-48, Bull. 5102 and 5415. 4/
337	G. G. Farms	--	--	351	16	--	QTal	3,990	261.43 254.22 251.46	Mar. 16, 1976 Jan. 17, 1979 Jan. 23, 1980	N	N	Radioactivity log. 4/
* 601	Jones Brothers	L. W. Stratton	1949	375	16	375	QTal, Tv	4,012	95 149.21 195.20	Oct. 15, 1949 Feb. 10, 1960 Jan. 22, 1980	T, Ng	Irr	Log shows shale, sand, and gravel to 375 feet with "lime" in intervals 208 to 219 and 221 to 226 feet. Discharged 570 and 705 gal/min on Apr. 29, 1968 and Apr. 11, 1973, respectively. Well S-54, Rept. 16, Bull. 5102 and 5415. 3/ 4/
* 603	Roger Arnold & Jack Lacy	do	1950	--	16	--	QTal	4,043	116.08 175.40 194.08	Feb. 28, 1951 Feb. 7, 1963 Feb. 4, 1981	T, Ng	Irr	Drawdown of 43.6 feet pumping 900 gal/min for 4½ hours on May 19, 1961. Discharged 800 gal/min with pumping level at 244.4 feet on Dec. 1, 1972. Pumping 660 gal/min on May 11, 1973. Aquifer test data. Well S-65, Rept. 16, Bull. 5102. 4/
* 604	Gary Stratton	do	1949	368	16 14	285 368	QTal, Tv?	3,990	86 160.53 169.07	Nov. 1949 Feb. 10, 1961 Feb. 4, 1981	T, N	N	Unused irrigation well. Log shows shale, sand, and gravel to 368 feet with an interval of lime and sand 190 to 203 feet. Well S-53, Bull. 5415. 3/ 4/
607	W. A. Farmer	do	1958	200	16	--	Tv	4,010	131.68 149.05 160.73 163.87	Feb. 10, 1961 Jan. 17, 1967 Jan. 17, 1973 Jan. 22, 1980	T, Ng	Irr	Reported sand and clay to 154 feet; volcanic rock yields most of the water from 154 to 190 feet; and clay 190 to 200 feet. Reported 10 feet of drawdown pumping 2,400 gal/min in 1960. 4/
615	Jack Lacy	do	1950's	335	16	--	QTal	4,018	175.25 174.82 176.50 180.41 179.15	Jan. 4, 1970 Jan. 18, 1971 Mar. 6, 1972 Feb. 21, 1973 Jan. 22, 1973	N	N	Unused irrigation well. Water-level recorder installed in 1969. Gamma-ray log. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

CULBERSON COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* HL-51-10-901	Thomas Griffen	--	1953	400	16	400	QTal	4,050	133.60 168.90 174.66	Jan. 26, 1953 Jan. 27, 1965 Jan. 22, 1980	T, G	Irr, S	Pumped only for livestock supply in 1972-73. Well S-68a, Rept. 16. 4/
* 905	Bell Ranch	--	1956	--	14	--	QTal	4,053	159.47 154.92 161.51 156.4	Feb. 10, 1960 Jan. 27, 1970 Nov. 30, 1971 Jan. 22, 1980	T, E	Irr	2/
* 11-403	Third Land & Cattle Co.	L. W. Stratton	1949	422	16	422	QTal, Tv	4,042	105.78 179.31	June 22, 1949 Feb. 4, 1981	S, E, I	D, S	Drilled for irrigation. Reportedly pumped 300 gal/min in 1950. Converted to domestic well in 1954. Log shows alluvium to 422 feet with interval of red rock 68 to 85 feet. Well S-64. Rept. 16, Bull. 5102 and 5415. 3/ 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PD-47-09-801	J. V. McAdoo	George Millian	1954	412	16	270	Pgc	3,696	83.0 102.3	June 8, 1954 Nov. 13, 1973	T, Ng	Irr	Bedrock (limestone) at 100 feet. Open hole below 270 feet, 200 feet of 10-inch column pipe. Reported 2,400 gal/min with 97 feet drawdown in 1954. Estimated 1,600 gal/min in 1968. 1/
* 803	Ed Ardoin	--	--	--	16	--	Pgc	3,790	190.7	Mar. 21, 1972	T, E, 150	Irr	Two hundred twenty feet of 10-inch column pipe.
* 805	J. V. McAdoo	C. E. Harris	1955	515	16	400	Pgc	3,696	84.9 96.9	July 26, 1960 Mar. 31, 1972	T, Ng 110	Irr	Bedrock (limestone) at 100 feet. Perforated 100 to 400 feet; open hole below. Two hundred feet 10-inch column pipe. Estimated 1,300 gal/min in 1960, 780 gal/min in 1963, 1,000 gal/min in 1974.
* 17-201	Amarex, Inc.	W. L. Stratton	1959	400	16	241	Pgc	3,755	147.04 159.5	Jan. 26, 1960 Feb. 11, 1974	N	N	Unused irrigation well. Bedrock at 168? feet or 247 feet (lime) or 285 feet (lime). Open hole below 241 feet. Estimated 680 gal/min in 1967; used as observation well in aquifer test on HL-47-17-317. 1/ 3/
202	Atlantic-Richfield Co.	--Donahue	1952	250	18	250	QTal, Pgc?	3,666	54.00 62.43 63.40 75.02	June 10, 1954 Feb. 11, 1972 Jan. 2, 1974 Jan. 28, 1980	T, 70	N	Unused irrigation well. Perforated 89 to 94 feet. 70 feet of 8-inch column pipe. Estimated 1,000 gal/min in 1960; 43 gal/min/ft specific capacity measured in 1960. 4/
* 203	do	W. L. Stratton	1958	500	16	400	Pgc	3,732	119.40 139.88	Jan. 26, 1960 Jan. 28, 1980	S, E, 3/4	N	Unused domestic well. Bedrock at 59? feet; limestone at 250 feet. Perforated 250 to 500? feet. Reported 2,450 gal/min and 38 gal/min/ft specific capacity in 1959. Gamma-ray log. Logger probe reached bottom at 465 feet. 3/ 4/
205	do	G. E. Millian	1951	310	16 14	-- 300	Pgc	3,689	71.9 93.85	June 10, 1954 Jan. 28, 1980	T, 75	N	Unused irrigation well. Bedrock (limestone) at 193 feet. One hundred and thirty feet of 8-inch column pipe. Reported 400 gal/min in 1959. Partial driller's log. 3/ 4/
* 206	West Texas Production Credit Assoc.	C. E. Harris	1956	750	18	122	Pgc	3,699	85.95 108.20	Jan. 26, 1960 Feb. 17, 1981	N	N	Unused irrigation well. Bedrock (limestone) at 122 feet, open hole below. Two hundred and twenty feet of 10-inch column pipe. Estimated 470 gal/min in 1966 and 7.7 gal/min/ft specific capacity reported in 1956. 3/ 4/
* 218	Bob Bennett	Bob Bennett	1962	350	16 12	250 350	QTal, Pgc?	3,705	59.17 62.2	Jan. 23, 1964 Feb. 12, 1974	T, G, 150	Irr, S	Formerly well PD-47-17-501. Perforated 50-120, 160-180, 240-270, and 310-320 feet. Reported 1,300 gal/min and 16 gal/min/ft specific capacity in 1963.
* 48-06-201	Daniel Magby	--Miles	1953	1,100	16	--	Plbs	3,938	286.1 293.90	May 21, 1954 Feb. 18, 1981	--	Irr	Pumped 3,183 gal/min on 24-hour test. 4/
* 601	Bennett, Howell & Red	--	1959	1,505	--	--	Plbs	3,880	305 309.65	Apr. 25, 1961 Jan. 24, 1980	T, E	Irr	Pumped 1,500 gal/min with 52 feet drawdown on 24-hour test. Temp. 78°F. 4/
* 07-102	C & L Ranch	Paul Gooden	1962	1,055	18	1,055	Plbs	3,793	198.56 218.12	Jan. 23, 1964 Jan. 31, 1979	T, Ng	Irr	Reportedly pumped 2,500 gal/min. Temp. 80°F. 4/
* 103	do	--	1962	1,206	18	--	Plbs	3,786	--	--	--	Irr	Pumped 2,360 gal/min. Temp. 69°F.
203	James Napier	--Nordyke	1947	280	16	--	Plbs	3,713	87.85 121.27 128.35	Mar. 11, 1948 Dec. 28, 1973 Jan. 23, 1980	T, G	Irr	Pumped 354 gal/min with 19.8 feet drawdown on 1-hour test. Apr. 7, 1954. 4/
* 204	Marsh Farmer	Dan Wilson	1951	325	16	60	Plbs	3,682	--	--	T, G	Irr	Open hole 60-325 feet. Well E-61 of USGS.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PD-48-07-205	George McConnell	Jordan Drilling Co.	1948	256	20	80	Plbs	3,714	85.90 90.00	Feb. 1948 Feb. 3, 1951	T, G	Irr	Yield measured 1,301 gal/min with drawdown 20.3 feet. Open hole 80 to 256 feet. 1/ 3/
* 206	James Napier	Ed Prather	1949	250	18	23	Plbs	3,708	75.14 116.22 139.05	Mar. 11, 1948 Dec. 18, 1973 Feb. 17, 1981	T, G	Irr	Temp. 66°F. 4/
207	George McConnell	--Miles	1954	712	16	--	Plbs	3,711	102.50 117.32 117.33	May 28, 1957 Dec. 28, 1973 Jan. 23, 1980	T, Ng	Irr	Pumped 1,300 gal/min with 28 feet of drawdown on 8-hour test. Temp. 75°F. 4/
210	Paymaster	--	--	240	--	--	Plbs	3,730	115.67 142.79 131.80	Jan. 30, 1967 Dec. 28, 1973 Jan. 23, 1980	T, Ng	Irr	Pumped 1,315 gal/min on Sept. 27, 1966. Temp. 70°F. 4/
* 213	Marsh Farmer	--	1953	300	18	60	Plbs	3,682	78	Mar. 25, 1954	T	Irr	Open hole 60 to 300 feet.
214	A. M. Stone	Ed Prather	1953	500	15	--	Plbs	3,678	74.64 85.95 92.54	Jan. 30, 1967 Jan. 2, 1974 Feb. 17, 1981	--	N	Unused irrigation well. Well E-65 of USGS. 4/
* 217	Barker E. Lindquist	--	1954	--	--	--	Plbs	3,722	103.0 138.2	Apr. 7, 1954 Oct. 7, 1974	T, E, 1½	Irr	East one of two wells.
* 301	Casey O'Banion	E. Ross	1948	150	20	8	Plbs	3,669	77.39 83.96	Dec. 19, 1972 Jan. 31, 1979	T, G	Irr	Pumped 2,900 gal/min. Temp. 79°F. 4/
304	C. W. List	J. Sullivan	1952	200	--	--	Plbs	3,644	31.60 58.52	June 3, 1954 Jan. 24, 1979	T	Irr, D	4/
* 309	Ruth LIst Anderson	--	--	200	--	--	Plbs	3,646	31.60	June 3, 1954	T	Irr	
* 405	James P. Williams F. W. Dodson	--	1948	230	16	--	Plbs	3,755	148.67 163.16	Feb. 12, 1962 Jan. 13. 1979	S, E	D	Temp. 70°F. 4/
414	C & L Ranch	Paul Gooden	1962	680	18	36	Plbs	3,790	203.61 205.48	Jan. 23, 1964 Feb. 18, 1981	T	Irr	Pumped 1,755 gal/min. Temp. 72°F. 4/
* 417	do	do	1962	1,305	18	36	Plbs	3,808	197.4	Jan. 27, 1967	T, Ng	Irr	
418	do	do	1964	886	18	40	Plbs	3,805	202.05 212.52	Jan. 30, 1967 Jan. 24, 1980	--	N	4/
* 422	do	--	--	--	16	--	Plbs	3,756	--	--	T, Ng	Irr	Temp. 70°F.
* 501	C. W. Voyles	Jordan Drilling Co.	1947	220	16	120	Plbs	3,687	62.50 102.18	Mar. 1, 1948 Jan. 24, 1979	T, G	Irr	Pumped 1,800 gal/min with 3.8 feet of drawdown. Temp. 69°F. 4/
* 502	John & Frank Gentry	Gentry Brothers	1948	201	18	75	Plbs	3,665	47.00 81.65	Aug. 5, 1948 Jan. 24, 1980	T, G	Irr	Pumped 1,320 gal/min with 21.5 feet of drawdown. Temp. 67°F. 4/
504	C. W. Voyles	--Tillery	1948	175	16	--	Plbs	3,700	73.75 109.88	Mar. 11, 1948 Jan. 24, 1979	--	N	Unused irrigation well. 4/
505	do	--	--	--	14	--	Plbs	3,688	85.0 108.35	Apr. 5. 1954 Jan. 24, 1979	T, G	Irr	4/
516	Dell City Community Center	--	1952	300	15	150	Plbs	3,702	103.92 145.49	Mar. 10, 1964 June 16, 1981	--	N	Abandoned public supply well. 4/
522	Dell City	--	1960	785	16	--	Plbs	--	--	--	T, Ng	P	On 12-hour test, pump 450 gal/min with specific capacity of 150 gal/min/ft.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
PD-48-07-523	Dell City	--	1948	240	16	--	Plbs	--	--	--	T, E	P	Pumped 750 gal/min. Used primarily as a standby well.
* 601	J. R. Speights	--Carpenter	1955	260	16	145	Plbs	3,644	36	Mar. 25, 1960	T, Ng	Irr	Reported yield 3,000 gal/min. Open hole 145 to 260 feet. 3/
* 603	Mike Foreman	Roy Keeney	1948	200	16	145	Plbs	3,650	25.63 47.51	Mar. 11, 1948 Feb. 8, 1963	T	Irr	Reported yield 400 gal/min. Open hole 145 to 260 feet. 1/ 3/
606	Voyles & Merrill	El Paso Natural Gas Co. (Mountain Drilling Co.)	1947	250	16	70	Plbs	3,651	27.29 77.81	Mar. 2, 1948 Jan. 23, 1980	T, Ng	Irr	Open hole 70 to 250 feet. 4/
607	Sarah Jarris	--	--	--	--	--	Plbs	3,641	35.43 55.61	Jan. 26, 1960 Jan. 23, 1980	--	Irr	Temp. 78°F. 4/
* 702	C. V. Sullins	--	--	--	--	--	Plbs	--	130.4	Feb. 14, 1969	--	Irr	Temp. 69°F. 1/
* 706	C & L Ranch	Paul Gooden	1963	835	18	60	Plbs	3,708	110.88 131.31	Jan. 23, 1964 Feb. 23, 1977	T, Ng	Irr	Pumped 1,300 gal/min. Temp. 78°F. 4/
708	do	do	1964	1,583	18	36	Plbs	3,720	122.54 132.44	Jan. 27, 1967 Jan. 23, 1978	T, Ng	Irr	4/
* 801	R. L. Merrill	H. H. Leonard	1948	200	16	20	Plbs	3,663	38.00 77.00	Nov. 18, 1948 Feb. 17, 1981	T, G	Irr	Temp. 68°F. 4/
803	G. J. Collier	J. D. Lee	1952	278	16	--	Plbs	3,689	78.69 98.88	Feb. 12, 1962 Jan. 24, 1980	T	Irr	Pumped 1,200 gal/min on May 26, 1954. Temp. 69°F. 4/
* 807	N. R. Hays	--	--	--	16	--	Plbs	3,673	--	--	T, E, 100	Irr	Estimated yield 1,400 gal/min on Aug. 6, 1968.
* 901	C & L Ranch	--	1953	300	10	--	Plbs	3,632	35.15 53.53	Nov. 19, 1959 Feb. 17, 1981	T, Ng	Irr	Measured yield 1,075 gal/min. Temp. 70°F. 4/
* 902	J. W. Green	D. Carpenter	--	180	18	--	Plbs	--	35.05	Feb. 8, 1963	--	Irr	Measured yield 2,240 gal/min on Apr. 9, 1968. 1/
* 904	Gene Lutrick	J. D. Lee	1950	780	18	11	Plbs	3,641	38.00 69.20	Mar. 30, 1950 Jan. 24, 1980	T, Ng	Irr	Temp. 68°F. 4/
* 914	John Ainsworth	John Ainsworth	1975	1,212	N	--	Plbs	3,655	--	--	--	Irr	Open hole. Estimated yield 1,000 gal/min. Temp. 72°F.
08-102	Ruth L. Anderson	--	--	392	15	--	Plbs	3,642	40.79 56.57	Jan. 30, 1967 Feb. 17, 1981	T, E	Irr	4/
* 401	Lorenzo Gallegos	Sam Shoemaker	1951	250	16	55	Plbs	3,636	21.9	Sept. 12, 1966	T, G	Irr	Pumped 1,200 gal/min. Temp. 66°F.
* 403	Davis Brothers	H. H. Leonard	1950	247	16	--	Plbs	3,637	26.95	June 25, 1954	T, G	Irr	Temp. 72°F. 1/
* 15-101	C & L Ranch	Carl King (Gen. Crude)	1952	3,900	10	675	Plbs	3,845	253.75	Jan. 23, 1974	T, Ng	Irr	Originally drilled as oil test to 4,797 feet. Cemented to 3,900 feet. Temp. 75°F. 1/
201	Allan Hill	Earl Franklin	1957	300	18	30	Plbs	3,658	49.76 64.88	Feb. 12, 1962 Jan. 23, 1980	T, Ng	Irr	Screened from 30 to 300 feet. Aquifer test data. 4/
* 203	Earl Franklin	Gentry Brothers	1951	325	16	80	Plbs	3,710	104.12 127.06	Feb. 12, 1962 Jan. 23, 1980	T, G	Irr	Temp. 79°F. 4/
* 204	S. W. Magee	--	--	--	--	--	Plbs	3,670	54	Mar. 30, 1954	T, E, 60	Irr	

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PD-48-15-301	Jessie Berry	--	--	320	18	--	Plbs	3,645	40.76 65.69	Feb. 12, 1962 Feb. 17, 1981	T, Ng	Irr	Pumped 2,000 gal/min. Temp. 75°F. 4/
* 302	Nita L. Overton	--	1961	633	18 16	70 334	Plbs	3,625	33.75 54.59	Jan. 23, 1964 Jan. 28, 1980	T, G	Irr	Pumped 1,550 gal/min. Temp. 75°F. 4/
* 305	J. C. Turner	Malcolm Foreman	1954	278	16	--	Plbs	3,640	34.3	Nov. 11, 1959	T, E	Irr	
* 601	Ray Collier	--	1966	2,260	8	--	Plbs	3,665	75.0	Aug. 1, 1966	T	Irr	Pumped 950 gal/min with 115 feet of drawdown. Temp. 78°F.
* 801	--	H. H. Virdell	1948	450	8	--	Plbs	3,988	367.50 372.34	Nov. 29, 1949 Jan. 28, 1953	C, W	S	1/
* 902	S. W. Wallace	Herb Hassel	1952	250	16 8	121 230	Plbs	3,710	142.02 157.67	Feb. 12, 1962 Feb. 17, 1981	T, Ng	Irr	Pumped 750 gal/min. Temp. 65°F. 4/
16-402	Jim Sparks	--	--	140	16	117	Plbs	3,640	42.71 61.75	Feb. 12, 1962 Feb. 17, 1981	--	N	Abandoned irrigation well. Screened from 117 to 140 feet. Pumped 1,500 gal/min with 53 feet of drawdown. 4/
702	Allan Hill	Allan Hill	1956	168	16	40	Plbs	3,677	61.70 77.08	Feb. 12, 1962 Jan. 28, 1980	--	N	Abandoned irrigation well. Pumped 550 gal/min with 110 feet of drawdown. 4/
* 23-201	Johnny Lewis	--	1961	600	8	30	Plbs	4,003	429.39	Jan. 27, 1965	S, E	D	Temp. 70°F. 1/
* 33-713	Skov Farms	Hardrock Drilling Co.	1954	225	18	225	QalRG	3,555	12.00 10.08	Nov. 6, 1973 Feb. 6, 1980	T, G	Irr	Slotted from 80 to 100 and 190 to 225 feet. Pumped 1,350 gal/min. Temp. 70°F. 2/
41-102	Harold S. Lujan	Payne & Ballard	1953	130	18	130	QalRG	3,550	11.00 9.06	Nov. 7, 1972 Feb. 6, 1980	T, G	Irr	Slotted from 50 to 130 feet. Temp. 67°F. 2/
202	E. H. Oliphant	--	1950	132	18	--	QalRG	3,548	7.66 8.87	Nov. 6, 1973 Feb. 10, 1981	T, G	Irr	Pumped 1,600 gal/min. Temp. 67°F. 4/
* 203	Mrs. A. S. Dwigans	Hardrock Drilling Co.	1954	153	18	--	QalRG	--	10.2	Nov. 7, 1973	T, G	Irr	
* 212	A. R. Miller	--	1951	92	14	92	QalRG	3,547	11.7	Nov. 8, 1973	T	Irr	Slotted from 60 to 92 feet. Pumped 1,000 gal/min Temp. 70°F.
* 217	Grady Miller, Jr.	--	1951	160	18	--	QalRG	3,544	11.3	do	T, G	Irr	Pumped 1,200 gal/min. Temp. 68°F.
218	S. Cowan	L. Walker	1958	182	16	--	QalRG	3,544	16.90 7.63	Mar. 27, 1978 Feb. 10, 1981	T, G	Irr	4/
* 220	John Segulia	Cecil Ballard	1972	64	18	64	QalRG	3,548	10.0	July 20, 1972	T, G	Irr	Slotted from 34 to 64 feet. Temp. 69°F.
* 507	R. M. Dye	Miller Drilling Co.	1951	100	16	--	QalRG	3,538	8.2	Nov. 14, 1973	T, G	Irr	Pumped 1,500 gal/min. Temp. 68°F.
* 509	do	Morrison Drilling Co.	1959	100	16 12	-- --	QalRG	3,536	10.3	do	T, G	Irr	Pumped 1,500 gal/min. Temp. 70°F.
* 615	Grady Miller, Jr.	Miller Drilling Co.	1951	140	18	--	QalRG	3,528	12.7	Dec. 3, 1973	T	Irr	Temp. 72°F.
* 623	W. T. Sharp	--	1976	75	--	--	QalRG	--	--	--	S, E	D	Temp. 68°F.
* 902	do	--	--	200	16	--	QalRG	3,531	19.9	Dec. 10, 1973	T	Irr	Temp. 68°F.
42-404	Texas Department of Highways and Public Transportation	K. C. Wheeler	1962	267	13	267	QTal	3,610	93 89.1 88.7	Apr. 10, 1962 Nov. 14, 1973 Mar. 21, 1978	N	N	Abandoned industrial well formerly used for construction of interstate highway. Yield measured at 200 gal/min on Apr. 10, 1962. Slotted 147 to 267 feet.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PD-48-42-701	B. E. Walker	Miller Drilling Co.	1952	283	18	--	QalRG	3,520	15.40 13.03	Dec. 10, 1973 Feb. 10, 1981	T, G	Irr	Pumped 628 gal/min. Temp. 72°F. 2/
702	Fort Hancock Water Control & Improvement District	K. C. Wheeler	1960	213	8 6	170 213	QalRG, QTal	3,529	28	July 1960	T, E	P	Owner's well No. 88-101. Screened 170 to 213 feet. Yield reported at 100 gal/min on Dec. 10, 1973. Water has slight hydrogen sulfide odor.
* 705	Grady Miller, Jr.	--	--	--	18	--	QalRG	3,529	17.2	Dec. 10, 1973	T, E, 60	Irr	Temp. 70°F.
708	Fort Hancock Water Control & Improvement District	K. C. Wheeler	--	189	12 8	--	QalRG	3,529	14.2	do	T, E, 15	P	
801	H. B. Zachry	Wheeler Cass	1961	256	N	N	QTal	--	--	--	N	N	Destroyed industrial well. Yield about 45 gal/min.
45-601	Diamondhead Corp.	Lee Murphy Drilling Co.	1972	1,018	N	N	K	4,570	943	May 1972	N	N	Abandoned test hole No. 1 of Sierra Blanca Corp. Drilled to 480 feet and stuck drill pipe, moved 10 feet and completed hole. Bedrock (limestone) at 100 feet, sandstone at 250 feet, shale at 820 feet, limestone at 860 feet. 3/
602	do	Lee Murphy Drilling Co. and H. E. Stanton Drilling Co.	1972	1,060	14	930	K	4,570	943 938	May 16, 1972 Sept. 19, 1974	S, E	N	Owner's well No. 1. Unused public supply well, 100 feet northwest of PD-48-45-601; originally drilled to 1,160 feet then caved to 1,060 feet. Part of a pump lost in well and may be blocked at 1,010 feet. Bedrock (limestone) at 115 feet, sandstone at 255 feet, shale at 800 feet limestone at 930 feet. Open hole below 930 feet. Temperature of water 79°F. Specific capacity reported about 15 gal/min/ft while test pumping at 210 gal/min. Radioactive logs. 3/ 6/
603	do	Jack Guffey	1974	1,096	14	930	K	4,589	945 966 961	Mar. 26, 1974 June 1974 May 17, 1975	S, E	P	Owner's well No. 2. Originally drilled to 1,137 feet. Filled with cement to 1,096 feet. Perforated 917-1,096 feet. Bedrock (limestone) at about 150 feet. Reported specific capacity 15 gal/min/ft while test pumping at 500 gal/min. Production rate reported at 510 gal/min. Sample log to 580 feet. Gamma-ray and caliper logs. Temperature of water reported 78°F. 3/ 6/
604	do	Paul Gooden and Marsh Farmer	1974	1,010	N	N	K	4,608	979	July 26, 1974	N	N	Owner's well No. 3. Abandoned pilot hole for a public supply well, uncased, and caved.
901	do	H. H. Virdell	1941	1,126	5	1,126	K	4,740	1,111±	Apr. 11, 1972	C, E, 5	S	"Ward Ranch" well. Bedrock (volcanics) at 11 feet, sandstone at about 1,000 feet. Yield of 3 gal/min measured on Mar. 11, 1972. 6/
46-101	Ted Gray	Harris Victor Grantham	1972	700	5	--	Kc	4,590	979.6	Aug. 16, 1972	N	N	"Maupin Ranch" unused livestock well. Reportedly a weak supply.
* 301	Sierra Blanca Corp.	--	1951	1,192	--	--	--	4,800	--	--	N	N	"Pierce Ranch" well. Livestock well which reportedly went dry sometime after Mar. 17, 1972.
401	Diamondhead Corp.	H. H. Virdell	1950±	1,093	6	--	K	4,678	1,040	Mar. 23, 1972	C, E	Ind, S	"West" well; 7 gal/min measured on Mar. 23, 1972. Radioactive logs. 6/
701	Jim Baylor	--	1948±	1,137	6	--	K?	4,600	1,120	Mar. 29, 1972	C, E, 5	S	Measured yield 5-6 gal/min on Mar. 29, 1972. 6/
702	Sierra Blanca Corp.	Rex Leigh (Lee Murphy Drilling Co.)	1972	130	N	--	--	4,650	1,120	May 11, 1977	N	N	Owner's test hole No. 2. Abandoned; 5-inch hole. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PD-48-50-202	Tommy Powell	Rayford Guffey	1956	102	6	102	QalRG	--	59.6 64.28	Mar. 21, 1978 Feb. 9, 1981	S, E	D	Pumped 60 gal/min. Temp. 78°F. 2/
* 206	K & D Development and Construction	J. R. Ballew	1967	95	20	95	QalRG	3,504	12.85	Dec. 20, 1973	--	N	Abandoned irrigation well. Slotted from 28 to 86 feet. Temp. 68°F. Well is possibly sanded up to the measured depth of 67 feet.
* 604	do	--	--	68	16	--	QalRG	3,500	12.0	May 20, 1974	--	N	Abandoned irrigation well. Temp. 68°F.
* 615	J. Hoover	--	--	64	14	--	QalRG	3,493	9.1	Jan. 4, 1974	--	N	Do.
* 51-713	Rene Gonzalez	Rene Gonzalez	1974	18	2.5	--	QalRG	3,490	--	--	J, E	D, S	Temp. 66°F.
* 901	Richard Rosen, Inc.	--	--	68	16	--	QalRG	3,476	6.0 3.65	May 21, 1974 Feb. 5, 1980	--	N	Abandoned irrigation well. Temp. 69°F. 2/
53-101	State Dept. of Highways and Public Transportation	K. C. Wheeler	1967	906	6	906	--	4,545	479	May 11, 1977	N	N	To be used for public supply well at Teepee Roadside Park. Yield reported at 3 gal/min.
104	do	do	1968	339	6	20	--	4,600	222.8	Apr. 13, 1972	N	N	Unused public supply well at Teepee Roadside Park. Open hole 20 to 339 feet. Yield reported at 1 gal/min on Apr. 3, 1972. Radioactivity log. 3/
301	Diamondhead Corp.	--	1929	1,341	6	--	Kc	4,993	1,130	--	C, E	D	"Blanca Mountain" well, O'Keefe Fee No. 1. Sample log on p. 124, U. S. Geological Survey Prof. Paper 479. Bedrock (limestone) at 60 feet. Twenty gal/min measured on Mar. 15, 1972. 6/
401	Ed Love	--	1893	175	5	--	Ti?	4,737	148	--	C, E	P	Railroad well at Lasca siding and supplies roadside park on Interstate 10. Constructed in abandoned mine shaft. Casing installed in 1946-50. Field specific conductance 660 umho/cm.
402	do	--	--	90	46	--	Ti or Qal	4,790	51.1	Apr. 13, 1972	N	N	Former public supply well. "North" well. Unused dug well with concrete casing. Field specific conductance 600 umho/cm.
403	do	H. H. Virdell	1959	200	8	166	Ti or Qal	4,785	80	do	C, E, I	D	West of 2 wells. Open hole below 166 feet. Yield of 18-20 gal/min measured on Apr. 13, 1972. Field specific conductance 670 umho/cm. Owner reported water-bearing strata at 80 and 175 feet. 6/
501	W. "Billy" Holcum	T. H. Little (Layne & Bowler Co.)	1909	1,110	13	481	K?	4,656	369.7	Mar. 15, 1972	C, W	Ind	West well of 2 old Southern Pacific Railroad wells. Open hole below 481 feet. Yield of 60 gal/min reported with a pumpjack. Bedrock (limestone) at 68 feet. 3/ 6/
502	do	Layne & Bowler Co.	1910-12	531	--	330?	K?	4,650	345	Mar. 16, 1972	S, E	Ind	East well of 2 old Southern Pacific Railroad wells. Radioactive logs. Casing depth estimated at 330 feet from logs. Depth estimated from logs.
503	Diamondhead Corp.	--	1910-12	645	7	--	K?	4,698	454	Mar. 16, 1972	N	N	Unused industrial well. Originally drilled to 750 feet. Reported formerly yielded 2 gal/min of water of fair quality. Gamma-ray log.
504	do	Rex Leigh (Lee Murphy Drilling Co.)	1972	490	N	N	K?	4,643	468	Mar. 23, 1972	N	N	Abandoned test hole No. 5 of Sierra Blanca Corp. 3/
801	D. R. Reeves & Leon Goswick, Rego Ranch	H. H. Virdell	1965	181	5	--	K	4,719	159.7 175.7	Feb. 10, 1972 June 26, 1973	C, W	S	Yield reported 75 gal/min with 3 feet of drawdown. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
PD-48-53-802	Hudspeth County Water Control & Improvement District	H. H. Virdell	1970	286	8	180	K	4,695	154.7 223	Feb. 3, 1972 Oct. 30, 1973	S, E	P	Supply well for town of Sierra Blanca. Owner's well No. 1. Originally drilled to 184 feet, deepened in 1973. Perforated 166-178 feet. Bedrock (limestone) at 40 feet. Original yield reported at 100 gal/min with 17 feet of drawdown. Yield of 20 gal/min reported in Sept. 1975. Estimated water levels from airline measurements. Gamma-ray and temperature logs to 181 feet. 3/ 6/
803	do	R. Wayne Blair & R. A. Foster	1972	357	6	357	K	4,681	165.2 242.	Feb. 10, 1972 Dec. 11, 1973	S, E, 45	P	Supply well for town of Sierra Blanca. Owner's well No. 2. Bedrock (limestone) at 58 feet. Tested at 60 gal/min with 180 feet of drawdown. Yield of 13 gal/min reported in Sept. 1975. Estimated water levels from airline measurements. Recovery test data. Gamma-ray and temperature logs. 3/ 6/
804	do	H. H. Virdell	1973	970	7	70	K	4,655	355.9 372	July 20, 1973 Feb. 6, 1974	S, E	P	Supply well for town of Sierra Blanca. Owner's well No. 3. Bedrock (limestone) at 70 feet. Tested at about 40 gal/min with about 360 feet of drawdown, and at about 60 gal/min with about 540 feet of drawdown, and 40 gal/min reported in Sept. 1974. Radioactive, temperature, and fluid-resistivity logs. 3/ 6/
805	do	do	1973	298	6	280	K	4,697	176.3 236.2 259.0	July 20, 1973 Dec. 11, 1973 June 21, 1974	N	N	Unused public supply well. Owner's No. 1A. Drilled to replace owner's No. 1 but never used. Perforated 188-191, 211-214, 231-234, and 254-257 feet. Drawdown data from production test on owner's No. 1. 3/
901	D. R. Reeves & Leon Goswick Rego Ranch	--	--	--	5	--	K?	4,655	--	--	N	N	Unused livestock well. Yield reported as low.
902	do	--	--	263	5	--	K	4,654	214.9	Feb. 9, 1972	C, W	S	Estimated yield of 1 gal/min on Feb. 9, 1972. Field specific conductance 700 umho/cm. Temp. 62°F.
54-201	Sierra Blanca Corp.	--	Before 1940	947	6	947?	K	4,517	889.3	Mar. 30, 1972	C, E	S	"Williams" well. Yield of 20 gal/min measured on Mar. 30, 1972 with drawdown estimated at 0.1 foot. Radioactive logs.
202	do	Rex Leigh (Lee Murphy Drilling Co.)	1972	906	N	N	K	4,498	902	do	N	N	Owner's abandoned test hole No. 6. Sample log. Bedrock (sandstone) at 190 feet. 3/ 6/
401	Hudspeth County Water Control & Improvement District No. 1	C. W. Gooden	1957	1,102	7	1,100	K	4,595	965	June 6, 1957	S, E, 30	P	Supply well for town of Sierra Blanca. Perforated 1,010-1,100 feet. Driller's log from 106 feet. Original yield about 70 gal/min with drawdown reported about 100 feet. Yield of 45 gal/min reported in Sept. 1975. 3/ 6/
402	Lolo Quintana	Burdell & Brown	1939	950	6	500	K	4,540	920	July 23, 1943	N	N	Formerly supplied motel. Reported yield 12 gal/min. Open hole 500-950 feet. Bedrock reported at 500 feet. Gamma-ray log to 435 feet. 6/
404	Claude & Cynthia Hoover	--McCraley	--	1,000	6	900	K	4,478	810	Mar. 23, 1972	C, E, 20	S	North well of 2 wells. Open hole 900-1,000 feet. Yield of 30 gal/min reported. 6/
405	do	H. H. Virdell	1942	957	6	600	K	4,478	807	do	C, E, 15	S, Ind	South well of 2 wells. Reported to be originally 1,000 feet deep. Open hole 600-957 feet. Yield of 20 gal/min reported. Bedrock reported at 280 feet. Radioactive logs. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

HUDSPETH COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
PD-48-54-406	Southern Pacific Railroad	--	About 1910	1,100	10	--	K	4,488	850	1910	N	N	Former section house well. Depth measured at 340 feet in 1972; caved. Poor water quality reported.
* 410	City of Sierra Blanca	Texas Dept. Water Resources	1977	1,226	N	N	Kc	4,530	870.5	Oct. 1, 1977	N	N	Abandoned test hole. 3/
501	Sierra Blanca Corp.	Rex Leigh (Lee Murphy Drilling Co.	1972	1,177	2	1,177	K	4,445	--	--	N	N	Owner's test hole No. 3. Perforated 1,117-1,177 feet. Completed as an observation well but apparently perforations plugged. Sample log. Bedrock (sandstone) at 472 feet. Radioactive log. 3/ 6/
502	Clyde Fields Est.	Wright M. Womack	1953	950	6	--	Kc	4,408	780.6	Mar. 31, 1972	C, E, 5	S	"Blount Tank" well. Yield of 4 gal/min measured on Mar. 31, 1972. Field specific conductance 3,200 umho/cm. 6/
503	Sierra Blanca Corp.	H. E. Stanton	1972	1,350	10	1,210	Kc	4,445	--	--	S, E. 75	P	Owner's water-supply well No. 1. Perforated 880-1,210 feet and open hole below. Yield of 200 gal/min reported on Aug. 17, 1972. Radioactive logs. Bedrock estimated at 460 feet from neutron logs. 3/ 6/
701	Mrs. J. R. Love	--	1940's	920	6	--	Kc	4,487	905	July 6, 1972	C, W	S	Six gal/min and good-quality water reported.
801	Billy Holcum	--	1950's	945	8	945	K	4,406	920	--	C, G, 5	D, S	"Faskin well." Yield of 10 gal/min reported. Reported perforated below 920 feet. Pump set at 927 feet. 6/
901	Murray Faskin & Clyde Fields	--Levelle	1910±	1,150	N	N	K	4,380	788	Mar. 31, 1972	N	N	"Levelle" well. Former livestock and domestic well. Original 10-inch casing removed. Yield of 17 gal/min reported in 1943. Gamma-ray log. 6/
* 60-101	Sid Cowan	--	1952	84	16	--	QalRG	3,455	17.10 12.74	Sept. 7, 1978 Feb. 5, 1980	N	N	Abandoned irrigation well. Reported yield 1,500 gal/min. Well possibly now sanded up to measured depth of 72 feet. 2/ 3/
* 61-201	Ed L. Love	H. H. Henshaw	1931	690	6	--	K	4,372	538	July 25, 1931	C, E, 3	S	Pumped 6 gal/min. Temp. 69°F. 3/
* 62-701	Sierra Blanca Land and Cattle Co.	H. H. Virdell	1947	525	6	--	QTal	4,110	448.1	May 10, 1972	P, E	D, S	Estimated yield 10 to 12 gal/min.
64-602	Pioneer Talc Co.	--	1965	239	5	--	QTal	4,538	190.3	Aug. 24, 1972	S, E	Ind	
901	Southern Pacific Co.	Layne-Texas	1941	1,001	10	1,000	QTal	4,271	610.3	Apr. 23, 1943	N	N	Former industrial well. Located on "Hot Wells" siding. Selectively perforated from 695 to 1,000 feet. 3/ 6/
902	do	O. E. Lindholm	1908	1,000	10	1,000	QTal	4,271	610	Apr. 17, 1972	N	N	Former industrial well. Old "Hot Wells Station"-east well. Yield reported at 200 gal/min in 1964 and 30 gal/min on Apr. 17, 1972.
50-07-501	Richard Weinberg	U.S. Geological Survey	1973	1,185	6	37	QTal	4,045	575	Dec. 10, 1973	N	N	No. 1 Leo Guerra test hole. Jet tested 85 gal/min. Estimated maximum yield 150 gal/min. 3/ 6/
51-01-504	J. C. Davis	do	1974	2,012	N	N	Kc	4,188	--	--	N	N	No. 1 Davis test hole. Yield estimated at 50 gal/min. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

JEFF DAVIS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PS-47-62-901	Dale H. Dorn	--	1960	240	10 6	-- --	Qal	4,567	--	--	C, W	S	Deepened in 1965.
* 63-903	Reynolds Land & Cattle Co.	Hicks & Puckett	1967	550	9 6	30 550	K	4,364	--	--	C, G	S	"Lower King" well. Slotted casing 500 to 550 feet. 3/
* 64-102	Banky Stocks	L. W. Stratton	1962	300	6	88	Qal?	3,958	--	--	C, W	S	Reported yield of 12 gal/min. Slotted casing 68 to 83 feet. 3/
* 701	Bill Cowden	--	Spring	--	--	--	Tv	--	(+)	Oct. 21, 1970	Flows	D	Flows 4 to 5 gal/min. Temp. 66°F.
* 706	do	--	Spring	--	--	--	Qal?	--	(+)	do	Flows	S	Flows approximately 4 to 5 gal/min.
* 51-05-601	Reynolds Land & Cattle Co.	--	old	145	9	--	Tv	--	105.2	Mar. 17, 1971	C, W	S	Temp. 68°F.
* 801	Rube Evans Est.	--	1920's	142	6	--	Tv	--	94.9	Mar. 12, 1971	C, W	D, S	Temp. 72°F.
* 06-201	Reynolds Land & Cattle Co.	--	1959	240	6 4	173 240	K	--	--	--	C, W	S	Slotted casing 187 to 240 feet. Deepened from 173 to 240 feet in 1959. 3/
* 301	Dale H. Dorn	--	old	30	--	--	Qal	--	16.3	Oct. 28, 1970	C, W	S	
* 401	Reynolds Land & Cattle Co.	--	old	430	6	430	K	--	144.8	Mar. 17, 1971	C, W	S	Temp. 64°F.
* 07-101	Dale H. Dorn	H. D. Cornell	1946	1,888	8 6 5	224 1,308 1,888	K	4,831	600	June 6, 1961	S, E	D, S	3/
* 105	do	--	old	30	--	--	Qal	--	12.8	Oct. 28, 1970	C, W	S	
* 106	do	--	Spring	--	--	--	Tv	--	(+)	do	Flows	S	"Ash Springs". Flows 1 gal/min.
* 201	do	--	1944	114	6	--	Tv	--	111.8	do	C, W	S	
* 501	do	--	1944	240	6	--	Tv	--	--	--	C, W	S	
* 502	do	--	Spring	--	--	--	Tv	--	(+)	Oct. 26, 1970	Flows	S	Estimated flow of 10 gal/min. Temp. 65°F.
* 503	do	--	--	620	6	--	Tv	--	--	--	C, W	S	
* 504	do	--	1928	600	5	--	Tv	--	--	--	C, W	S	
* 601	Reynolds Land & Cattle Co.	L. W. Stratton	1961	175	9 6	12 175	Qal	--	85	Nov. 1961	C, W	S	Reported yield of 20 gal/min. Slotted 143 to 175 feet. Temp. 66°F. 3/
* 701	Dale H. Dorn	--	1944	400	8	--	Tv	--	--	--	C, W	S	
* 702	do	--	old	83	6	--	Qal	--	--	--	C, W	S	
* 802	do	--	Spring	--	--	--	Tv	--	(+)	Oct. 26, 1970	C, W	S	Estimated flow of 50 gal/min. Temp. 64°F.
* 803	do	--	--	434	6	--	Tv	--	--	--	C, W	S	
* 902	Reynolds Land & Cattle Co.	--	old	100	4?	--	Qal	--	58.3	Mar. 19, 1971	C, W	D, S	
* 08-104	do	L. W. Stratton	1961	30	6	30	Tv(?)	--	20.5	Mar. 18, 1971	C, W	D, S	
* 105	do	do	1961	32	6	32	QTal, Tv	--	12.5	do	C, W	P	"Moody Springs" well. Water supply for town of Kent. Temp. 64°F.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

JEFF DAVIS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
PS-51-08-106	Reynolds Land & Cattle Co.	--	Spring	--	--	--	Tv(?)	--	(+)	Mar. 18, 1971	Flows	P, S	Water supply for town of Kent.
* 14-301	Dale H. Dorn	--	--	866	7	--	Tv(?)	--	> 600	Oct. 10, 1970	C, W	S	Temp. 70°F.
* 302	do	Joe Smith	1965	400	10	--	Tv	--	--	--	C, W	S	
* 402	Reynolds Land & Cattle Co.	--	old	413	9	413	Tv	--	390.6	Mar. 25, 1971	C, W	S	Temp. 74°F.
* 501	do	H. H. Virdell	1964	200	6	185	Tv	--	140	Sept. 8, 1965	C, W	S	Deepened Sept. 1965. Reported yield of 25 gal/min. Casing slotted 145 to 185 feet. 3/
* 701	do	do	1964	731	6	731	Tv	--	710	Sept. 1, 1964	P, G	S	Reported yield of 7½ gal/min. Deepened from 520 to 731 feet in 1964 and deepened from 300 to 520 feet in 1954. 3/
* 801	do	L. W. Stratton	1959	689	6 4	438 689	Tv	--	380	Nov. 25, 1959	C, W	S	Slotted from 636 to 689 feet. Deepened from 381 to 689 feet in 1959. 3/
* 802	do	--	old	360	9	--	Tv	--	280.4	Mar. 21, 1971	C, W	S	Temp. 69°F.
* 15-101	Dale H. Dorn	--	1953	915	8	--	Tv(?)	--	> 500	Oct. 26, 1970	P, G	S	
* 201	do	Joe Smith	1965	400	12 6	--	Tv(?)	--	--	--	C, W	S	
* 301	Reynolds Land & Cattle Co.	--	old	100	6	--	Qal	--	62.3	Apr. 24, 1961	C, W	S	Temp. 58°F.
* 302	do	--	old	130	9	--	Qal	--	87.6	Mar. 19, 1971	C, W	S	Temp. 64°F.
19-101	H. & C. Thanisch	L. W. Stratton	1949	448	16 14	368 448	QTal	4,085	177.84 107.42	Jan. 26, 1970 Feb. 5, 1981	S, E, 3/4	D	Drilled for irrigation. Reportedly pumped 650 gal/min in 1950. Converted to domestic supply. Log shows alluvium to total depth. Well is partly plugged. Well F-9, Bull. 5102. 3/ 4/
* 104	Olen Lane	do	1950	480	16 12	322 480	QTal	4,092	136.35 204.12	May 2, 1950 Jan. 18, 1980	T, E, 100	Irr	Perforated 322 to 480 feet. Drawdown of 53 feet pumping 770 gal/min for 7 days in Aug. 1951. Temp. 72°F. Well F-8, Bull. 5102. 3/ 4/
* 203	C. C. Means	Emmitt Harrell	1948	447	16 14	304 447	QTal	4,102	157.30 217.06	Feb. 28, 1951 Jan. 18, 1980	T, E, 75	Irr	Slotted 304 to 447 feet. Set 250 feet of 8-inch column pipe. 3/ 4/
* 301	John Eudy	L. W. Stratton	1950	585	16	--	QTal	4,139	197.29 259.66	June 13, 1950 Feb. 5, 1981	T, E, 100	Irr, D, S	Set 290 feet of 8-inch column pipe and 5 stages of 8-inch bowls. Drawdown of 33 feet pumping 950 gal/min for 28 hours on Aug. 15, 1951. Reported pumping level at 272 feet discharging 900 gal/min for 2 to 3 weeks in Apr. 1967. Irrigated 350 acres from 2 wells in 1973. Well F-7, Bull. 5102. 4/
* 902	J. K. Miller Est.	--	1931	170	6	--	QTal	4,197	109.35 117.26	Jan. 24, 1955 Feb. 5, 1981	C, W	S	Formerly well PS-51-27-301. Owner's "two-section" well. Well F-15, Bull. 5102. 4/
* 21-301	Reynolds Land & Cattle Co.	--	1960's	700+	6	700+	Tv	--	> 500	Mar. 24, 1971	C, W	S	Temp. 78°F.
* 23-102	do	--	old	420	9	--	Tv	6,000+	334.0	Mar. 23, 1971	C, W	S	Temp. 72°F.
* 301	do	--	--	846	5	--	Tv	--	> 500	Mar. 22, 1971	C, W	S	Temp. 69°F.
* 401	do	E. E. Doyal	1953	721	6	721	K	6,050	378.9	Mar. 23, 1971	P, G	S	Reported yield of 36 gal/min. Slotted casing 655 to 676 and 697 to 721 feet. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

JEFF DAVIS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PS-51-24-601	Univ. of Texas McDonald Observatory	Morris & Laughlin	1935	1,330	6	--	Tv	6,300	813.8 815.7	Dec. 10, 1969 May 26, 1970	D	P, S	Yield of 24 gal/min. Temp. 78°F. Well J-1 of USGS.
901	do	M. B. Virdell	1973	525	11 7	62 525	Tv	5,310	235.4	Jan. 18, 1974	S, E	P	Owner's well No. 1. Specific capacity 1.38 gal/min/ft. Slotted 250 to 325, 345 to 350, and 426 to 499 feet.
902	do	do	1973	550	11 7	70 550	Tv	5,288	220.0	Jan. 1974	S, E	P	Owner's well No. 2. Slotted 245 to 250, 330 to 389, and 390 to 545 feet.
27-302	J. K. Miller Est.	L. W. Stratton	1948	425	20 7	200 425	QTal	4,254	78.31 68.52	Jan. 24, 1955 Jan. 18, 1980	T, G	Irr	Formerly well PS-51-27-604. Slotted 7-inch 200 to 425 feet. Reported main water zone is gravel in interval 200 to 285 feet. Log shows alluvium to total depth. Drawdown of 49 feet pumping an estimated 250 gal/min on Sept. 16, 1960, with reported discharge 375 gal/min in 1970. 3/ 4/
605	do	--	--	82	--	--	QTal	--	78.51	Jan. 24, 1955	N	N	Unused livestock well. 5/
29-103	Valentine Ind. School District	R. A. Foster	1962	407	10 7	80 407	QTal	4,443	210	Oct. 1962	S, E, 3	P	Supplies school, 4 houses, and irrigates lawns. Slotted 210 to 385 feet. 3/ 6/
104	City of Valentine	Emmitt Harrell	1944	870	8	--	QTal, Tv	4,433	270	1948	T, E, 25	P	Reported discharge 80 gal/min in 1948. 6/
105	Southern Pacific Railroad	Layne-Texas Co., Inc.	1937	867	12	--	QTal, Tv	4,426	313.4	Feb. 8, 1974	N	N	Unused industrial well which formerly supplied locomotive boilers and diners. Owner's No. 4 well, Valentine Station. Slotted 336 to 862 feet. Reported drawdown of 86 feet pumping 150 gal/min for 18 hours in 1937. 3/ 6/
802	Southwest Farms	H. E. Stanton	1979	1,400±	--	--	QTal, Tv	--	--	--	T, G	Irr	Pumped 2,600 gal/min on Feb. 5, 1979.
803	do	do	1979	2,600	16 13	1,210 2,175	QTal, Tv	--	--	--	T, G	Irr	
804	do	Big "3" Machine & Supply	1979	1,300±	--	--	QTal, Tv	--	--	--	T, G	Irr	
* 52-01-201	Joe Kingston	--	--	150	6	--	K	--	97.8	Mar. 16, 1970	C, W	S	Temp. 71°F.
* 203	Joe T. Rounsaville	--	--	200	6	--	K	3,760	67.7 114.2	June 25, 1959 Mar. 15, 1971	C, W	S	Temp. 70°F.
* 401	do	--	--	314	6	--	Kce-Kct	3,973	277.4	Oct. 22, 1969	C, W	S	Temp. 72°F.
* 902	Shannon Ranch	Billy Bruce	1968	623	6	490	Kce-Kct	3,890	334.9	Oct. 10, 1969	S, E	D, S	Well deepened to 623 feet by Pat Taylor on Oct. 9, 1969. Reported yield of 20 gal/min. Radioactivity log. 3/
* 02-401	Joe Kingston	--	--	85	6	--	K	3,550	75.5	Mar. 11, 1970	C, W	S	
403	N. C. Huelster	Luther Gray	1964	374	12	320	Qal	3,504	57.30 51.14	Mar. 18, 1970 Jan. 16, 1980	N	N	Abandoned irrigation well. Pumped an estimated 400 gal/min. 4/
* 404	Madera Valley Water Supply Corp.	Richardson Bros.	1968	285	16 13 11	51 200 285	Qal	3,500	55	1968	T	P, S	Yield reported at 220 gal/min on Feb. 10, 1968. Temp. 71.1°F. 3/
* 405	Reeves County Water Improvement District No. 1	--	Spring	--	--	--	K	3,476	(+)	June 6, 1969	Flows	Irr	"Phantom Spring". Temp. 78°F. Spring X-25 Bull. 6214.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

JEFF DAVIS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PS-52-09-201	Shannon Ranch	--	--	700	5	--	Kce-Kct	--	>365	Oct. 21, 1969	C, W	S	"Blue Pasture" mill. Temp. 77°F.
* 301	do	--	--	635	6	--	Kce-Kct	4,006	200	1969	S, E	D, S	
* 501	Boy Scouts of America	--	1957	428	6	228	Tv	4,415	--	--	S, E, 5	P, D, S	Temp. 69°F.
* 10-101	Hank Avery	--	Spring	--	--	--	Tv	3,775	(+)	May 15, 1969	Flows	S	"Augustine Spring". Spring holds constant water level. Temp. 70°F.
* 202	E. L. Whittenburg	--	Spring	--	--	--	Tv	4,000	(+)	May 21, 1969	C, W	S	"Catfish Spring". Temp. 76°F.
* 301	do	--	--	149	7	--	Tv	3,800	73.3	Oct. 22, 1969	S, E	D, S	Temp. 72°F.
* 601	do	--	1943	270	6	--	Tv	3,960	223.7	July 30, 1970	C, W	S	
* 603	do	--	old	88	9	--	Qal	--	40.3	do	C, W	S	"Little Hell" Mill.
* 11-501	do	--	Spring	--	--	--	Tv	--	(+)	do	Flows	D, S	"Head Spring". Estimated flow of 3 gal/min.
* 702	Margaret O. Lea	--	--	100	6	--	Qal	--	--	--	P, E	D, S	
* 706	Robert E. McKnight	--	--	23	6	--	Qal	--	20.8	Sept. 8, 1970	C, W	S	Temp. 73°F.
* 707	Margaret O. Lea	--	Spring	--	--	--	Qal	--	(+)	Sept. 1, 1970	Flows	S	"Big Spring". Flows 1 to 2 gal/min.
* 802	do	--	Spring	--	--	--	Tv, Qal	--	(+)	do	Flows	S	"Dutchover Spring". Flows 1 to 3 gal/min. Temp. 72°F.
* 804	Robert E. McKnight	--	1958	120	6	120	Qal	--	37.8	Sept. 8, 1970	C, W	S	
* 902	do	--	1964	250	6	--	Tv	--	--	--	C, W	S	"Mighty High" well.
* 12-702	do	Hicks & Puckett	1966	50	6	--	Qal	--	--	--	--	S	Reported yield 20 gal/min.
18-301	Margaret O. Lea	--	Spring	--	--	--	Tv	--	(+)	Sept. 1, 1970	Flows	D, S	"Alamo Spring". Flows 2 to 3 gal/min.
* 302	do	--	Spring	--	--	--	Tv	--	(+)	do	Flows	S	"Pecan Spring". Flows 1 to 2 gal/min.
* 19-501	Robert E. McKnight	--	Spring	--	--	--	Tv	--	(+)	Sept. 4, 1970	Flows	--	"Horse Thief Spring". Flows 50 gal/min.
* 20-101	do	--	old	30	--	--	Qal	--	12.7	do	C, W	S	Dug "Saltlick" well. Temp. 71°F.
* 102	do	H. Huelster	1880's	30	--	--	Qal	--	16.7	do	C, W	D, S	Dug for Butterfield Stage stop. Original depth 9 feet.
* 104	do	--	--	30	6	30	Qal	--	--	--	S, E	S	"Lake Trap" well.
* 105	do	Hicks & Puckett	1966	540	5	540	Tv	--	360	1966	C, W	S	Reported yield of 4 gal/min. Temp. 74°F.
* 401	do	--	1955	135	8	135	Qal	--	124.2	Sept. 4, 1970	C, W	S	"Runey" mill.
25-204	Texas Parks & Wildlife Dept. (Davis Mountains State Park)	Puckett Water Well Service	1966	250	6	250	Tv	5,075	--	--	S, E	P	Pumped 300 gal/min.
205	Prude Ranch, Inc.	--	1930's	132	4	--	Tv	5,040	--	--	S, E	P, D, S, Irr	Pumped 35 gal/min. Pump setting at 132 feet.
206	do	Pete McHaffey	1964	145	4	--	Tv	5,080	--	--	S, E	P, D, S, Irr	Pumped 35 gal/min.
207	do	H. H. Virdell	1972	186	6	186	Tv	5,040	120	June 20, 1974	S, E	P, D, S, Irr	Pumped 40 gal/min. Pump set at 40 feet.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Hole, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

JEFF DAVIS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* PS-52-25-302	Felix Dominguez, Jr.	Pete McHaffey	1965	152	7	100	Tv, Qal	4,860	8.43 10.84	Jan. 6, 1967 Jan. 16, 1975	S, E	P, D	Slotted from 20 to 100 feet. Pumped 108 gal/min with 70 feet drawdown on performance test in Mar. 1965. Temp. 80°F. 2/ 3/
303	Texas Parks & Wildlife Dept. (Davis Mountains State Park)	Puckett Water Well Service	1966	275	6	275	Tv, Qal	4,910	--	--	S, E	P	Pumped 110 gal/min.
304	Ft. Davis Water Supply Corp.	--	1929	90	6	90	Tv, Qal	4,900	55	Apr. 6, 1979	S, E	P	Ten feet of drawdown pumping 75 gal/min on Apr. 6, 1979.
305	do	H. H. Virdell	1971	303	10 9 7	92 223 303	Tv, Qal	4,900	46	Mar. 14, 1979	S, E, 15	P	Three feet of drawdown pumping 208 gal/min on Mar. 14, 1979. Slotted 70 to 303 feet. 3/
* 26-101	Steve Bennett	Pete McHaffey	1960	95	7	85	Tv, Qal	4,835	10.40 11.07 10.56	Jan. 6, 1967 Jan. 16, 1980 Feb. 5, 1981	S, E	P, S	Open hole from 85 to 95 feet. Pumped 35 gal/min. 4/
102	C. E. Carlton	--	1940	50	6	--	Tv, Qal	4,850	28.10 29.23 30.49	Jan. 6, 1967 Jan. 16, 1980 Feb. 5, 1981	C, W	P, S	Reported yield 3 gal/min. 4/
34-301	City of Alpine	--	--	408	--	--	Tv, Qal	4,580	--	--	S, E, 50	P	Musquiz field well No. 7. Pumped 350 gal/min.
35-104	do	--	--	540	--	--	Tv, Qal	4,618	--	--	S, E	P	Musquiz field well No. 6. Pumped 325 gal/min.
106	do	--	--	350	--	--	Tv, Qal	--	--	--	S, E	P	Musquiz field well No. 8. Pumped 120 gal/min.
107	do	--	--	--	--	--	Tv, Qal	4,643	--	--	S, E	P	Musquiz field well No. 9.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

LOVING COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	SL-46-01-201	W. D. Johnson	--	--	134	4	--	Qal	2,890	77.60	Aug. 14, 1941	C, W	S	1/
	202	W. D. Johnson, III	Tom A. Holder	1966	80	7	80	Qal	2,855	42.70	Oct. 17, 1974	C, W	N	Unused livestock well. 3/ 5/
*	301	do	--	--	--	10	--	Qal	2,892	78.50 73.42	do Feb. 3, 1981	C, W	S	4/
*	02-201	--	--	--	--	--	--	Trdsr, Qal	3,160	--	--	C, W	S	"Boyd" well.
	302	Ohio Oil Co.	--	1958	225	9	--	Qal	3,090	120	1958	T, E	Ind, D	Reportedly pumps 10 gal/min.
	304	--	--	--	--	6	--	Trdsr, Qal	3,082	183.00 188.08	Oct. 18, 1974 Feb. 3, 1981	N	N	Unused livestock well. 4/
*	601	Graridge Oil Co.	--	--	300	7	--	Qal	--	216.2	June 27, 1961	C, Ng	Ind, D	Estimated yield of 15 gal/min with reported drawdown of 100 feet.
*	603	Buck Jackson	O. R. Musslewhite	1966	238	16 9	19 238	Trdsr, Qal	3,000	139.82 127.74	Oct. 17, 1974 Nov. 10, 1976	S, E	Ind	Phillips Petr. Co. (Tunstill Plant). Slotted 138 to 238 feet. 3/ 4/
	604	do	do	1968	254	13 9	190 254	Trdsr, Qal	3,010	132.78 131.35	Oct. 17, 1974 Nov. 10, 1976	T, E, 15	Ind	Phillips Petr. Co. (Tunstill Plant). Slotted 202 to 254 feet. Standby well. 3/ 4/
	03-101	Northern Pump Co.	--	--	290	--	--	Qal	--	150	June 29, 1960	T, E, 20	Ind	Yield reported at 60 gal/min.
*	803	Sid Kyle	--	--	--	--	--	Trdsr, Qal	3,000	114.3	Oct. 22, 1974	C, W	S	"Hackberry Tank" windmill.
*	901	--	--	--	--	--	--	Trdsr, Qal	3,020	199.0	do	C, W	S	"New" well.
*	04-201	--	--	--	--	--	--	Trdsr, Qal	3,180	--	--	C, W	S	"Malone" well.
*	401	--	--	--	--	--	--	Trdsr, Qal	3,060	--	--	C, W	S	"East" well.
*	501	--	--	--	--	--	--	Trdsr, Qal	3,080	--	--	C, W	S	"Wilkie" well.
*	502	--	--	--	--	--	--	Trdsr, Qal	3,060	--	--	C, W	S	"Bryant" well.
*	05-401	Brunson Ranch	--	--	176	8	--	Trdsr, Qal	3,199	--	--	C, W	N	Unused livestock well.
*	402	Glen S. Brunson	--	--	240	12	--	Trdsr, Qal	3,199	172.4	June 29, 1961	N	N	Unused domestic and livestock well.
*	11-101	H. A. Lindley	--	--	--	--	--	Trdsr, Qal	2,890	--	--	C, W	S	"North" windmill.
*	201	Sid Kyle	--	--	--	--	--	Trdsr, Qal	2,950	--	--	C, W	S	
*	301	--	--	--	--	--	--	Trdsr, Qal	2,940	--	--	C, W	S	
	501	H. A. Lindley	Tom B. Holder	1973	250	7 6	173 250	Trdsr, Qal	2,820	53.49 53.73	Oct. 17, 1974 Jan. 10, 1980	S	N	Unused domestic well. 3/ 4/
*	701	do	do	--	--	--	--	Trdsr, Qal	2,750	--	--	C, W	S	"South" well.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

LOVING COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* SL-46-11-702	H. A. Lindley	Tom B. Holder	--	--	--	--	Trdsr, Qal	2,755	67.65 63.08	Oct. 23, 1974 Nov. 12, 1977	C, W	S	2/
* 901	W. D. Johnson	Joe Hudgens	old	118	8	--	Trdsr, Qal	2,808	91.10 88.17	Sept. 1, 1939 Oct. 16, 1974	C, W	S	"Hudgens" well. 2/
* 12-301	W. D. Johnson, III	Tom B. Holder	1971	343	6	343	Trdsr, Qal	3,080	279.65 276.30	Oct. 12, 1974 Nov. 11, 1977	C, W	S	"Gillispie" well. Pump setting 315 feet. Slotted 230 to 343 feet. 2/ 3/
302	--	--	--	--	7	--	Trdsr, Qal	2,977	236.95 237.71	Oct. 21, 1974 Nov. 11, 1977	C, W	N	2/
* 402	W. D. Johnson, III	--	old	173	8	--	Trdsr, Qal	2,845	138.94 136.87	Sept. 1, 1939 Jan. 10, 1980	C, W	S	"White mule" well. 4/
502	do	Tom A. Holder	1970	327	6	327	Trdsr, Qal	2,883	187.46 199.03	Oct. 17, 1974 Jan. 9, 1980	C, W	S	Slotted 194 to 327 feet. 3/ 4/
* 802	W. D. Johnson, Jr.	do	1970	262	6	262	Trdsr, Qal	2,810	172.39 158.98	Oct. 21, 1974 Jan. 16, 1981	C, W	S	3/ 4/
13-103	--	--	--	--	--	--	Trdsr, Qal	3,118	165.10	Oct. 21, 1974	C, W	S	5/
* 401	--	--	--	--	8	--	Trdsr, Qal	3,030	193.50	do	C, W	S	"Shallow water" windmill. 4/
* 601	John Haley	--	--	--	--	--	Trdsr, Qal	3,000	--	--	C, W	S	"Penn" windmill.
* 20-102	F. P. Hubbard	L. Goodrich	1938	84	6	--	Qal	3,695	21.50 21.38	June 28, 1940 Dec. 7, 1940	C, W	S	1/
201	McGinley Corp.	--	old	175	8	--	Qal	2,750	106.2 103.8	Nov. 21, 1939 Dec. 28, 1942	N	N	Unused industrial well.
403	Floyd Goodrich	--	1936	60	12	--	Qal	2,673	12.53 10.52	Feb. 27, 1940 Jan. 16, 1981	--	N	Unused livestock well. 4/
* 21-804	--	--	--	--	--	--	Trdsr, Qal	2,750	--	--	C, W	S	"Red tank windmill" well.
* 22-401	University of Texas	Tom A. Holder	1972	212	6	212	Trdsr, Qal	2,810	97.05 96.26	Oct. 17, 1974 Jan. 16, 1981	C, W	S	Slotted 120 to 212 feet. 3/ 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* US-45-43-701	Fred Quintela	-- Moore	1946	110	16	70	Qal	2,399	15.82 21.38	Oct. 25, 1947 Jan. 26, 1959	N	N	Well used previously for irrigation. Perforated 70 to 110 feet. Well C-33, Bull. 6106. 5/
702	Hal Burnett	Roscoe Armstrong	1946	91	20	--	Qal	2,403	25.90	Sept. 26, 1946 Nov. 12, 1952	N	N	Well used previously for irrigation. Well C-24, Bull. 6106. Temp. 70°F. 5/
802	Eugene Grove	Reinertsen & Holloway	1946	116	14	116	Qal	2,378	10.66 15.28	Oct. 22, 1946 Jan. 28, 1959	N	N	Well used previously for irrigation. Well D-9, Bull. 6106. 5/
* 804	L. A. Heagy	Jack Reinertsen	1946	92	13 11	70 92	Qal	2,388	11.79 18.95	Oct. 21, 1946 Jan. 26, 1959	N	N	Well used previously for irrigation. Perforated 64 to 92 feet. Well C-47, Bull. 6106. 1/
49-201	George Atkins Est.	L. B. Ryan	--	156	12	--	Kce-Kct	2,518	18.80 49.13	Mar. 2, 1950 Jan. 10, 1979	S	N	Abandoned industrial well. Well B-64, Bull. 6106. 4/
* 301	do	--	1948	--	6	--	Qal, K	2,502	23.33 24.08 24.26	Jan. 19, 1955 Jan. 9, 1980 Jan. 14, 1981	C, W	S	Well B-66, Bull. 6106. 4/
401	Pecos County (City of Imperial)	--	1956	235	9	235	Qal, K	2,602	115.50 146.35	June 6, 1957 Feb. 15, 1977	N	N	Abandoned public supply well. Reported yield 50 gal/min when drilled. Well B-87, Bull. 6106. 4/
* 901	O. C. Ogden Wilson	--	1907	300	6	--	Kce-Kct	2,607	42.8 76.03	Oct. 23, 1946 May 3, 1973	C, W	S	Temp. 73°F. Well G-5, Bull. 6106. 1/
* 50-301	Catholic Foundation	George Moore	1946	140	20 16	75 140	Qal	2,427	40.92	Jan. 26, 1959	T	Irr	Producing intervals 120 to 140 feet. Temp. 70°F. Well C-103, Bull. 6106. 1/
* 51-203	W. K. Heagy	Ellsworth Greer	1946	61	16 13	34 61	Qal	2,389	12.31 17.60	Oct. 21, 1946 Jan. 28, 1959	N	N	Well previously used for irrigation. Perforated 34 to 61 feet. Yield 1,150 gal/min on June 10, 1947. Well C-59, Bull. 6106. 1/
* 302	L. B. Freemon	Earl Holloway	1946	100	14	100	Qal	2,375	13.79 18.61	Oct. 22, 1946 Dec. 13, 1956	N	N	Well previously used for irrigation. Perforated 41 to 100 feet. Yield 869 gal/min on July 22, 1948. Well D-48, Bull. 6106. 1/
* 402	George Atkins Est.	R. L. Cleveland	1942	120	5	30	Qal	--	20.06 26.38	Feb. 10, 1947 Mar. 8, 1940	C, W	S	Temp. 69°F. Well C-163, Bull. 6106. 1/
* 52-102	George Brown	Jack Reinertsen	1946	100	20 15	32 100	Qal	2,363	16.86 19.45	Oct. 24, 1946 Dec. 8, 1955	N	N	Reported yield 1,500 gal/min. Previously used for irrigation. Perforated 72 to 100 feet. Well D-32, Bull. 6106. 1/
* 502	Leona M. Mueller	--	--	64	8	--	Qal	--	19.60 23.78	Feb. 3, 1947 Jan. 28, 1959	C, W	S	Well D-72, Bull. 6106. 1/
* 53-401	W. J. Holladay	E. E. Scarbrough	1946	105	16	105	Qal	2,331	14.06 16.90	Oct. 22, 1946 Jan. 28, 1959	N	N	Well Previously used for irrigation. Reported yield 1,700 gal/min on Oct. 22, 1946. Perforated 57 to 105 feet. Well D-95, Bull. 6106. 1/
* 57-601	Bill Hargis	--	--	96	6	--	Kce-Kct	2,722	75.54 88.49	Sept. 20, 1958 Jan. 11, 1978	C, W	S	Temp. 84°F. Well G-16, Bull. 6106. 4/
* 901	Henry Wilbanks Est.	R. L. Cleveland	1942	470	8	--	Kce-Kct	2,751	54.9	Oct. 23, 1946	C, W	D, S	Temp. 80°F. Well G-31, Bull. 6106.
58-601	Farmland Industries, Inc.	Perry Jones	1969	311	14	289	Kce-Kct	2,576	108.0	Jan. 24, 1969	T, E	Ind	On 56-hour test, drawdown of 25 feet, pumping 1,500 gal/min in Jan. 1969.
602	do	Big "3" Machine & Supply, Inc.	1974	314	14	292	Kce-Kct	2,576	96	Dec. 26, 1974	T, E	Ind	On 24-hour test, drawdown of 44 feet, pumping 689 gal/min in Dec. 1974.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
US-45-58-603	Farmland Industries Inc.	Big "3" Machine & Supply, Inc.	1974	354	14	334	Kce-Kct	2,576	--	--	T, E	Ind	On 24-hour test, drawdown of 24 feet, pumping 1,000 gal/min in Dec. 1974
* 604	do	B. W. Smith Drilling Co.	1977	355	14	312	Kce-Kct	2,576	120	July 18, 1977	T, Ng	Ind	Pumped 1,000 gal/min.
* 59-901	A. C. Hoover	--	--	259	6	--	Kce-Kct	2,545	167.3	Oct. 16, 1957	C, W	S	Well J-41, Bull. 6106.
* 60-902	Sher-Bar Land & Cattle Co.	--	1957	400	16	--	Kce-Kct	2,446	115.70 157.20	Feb. 5, 1958 Feb. 6, 1967	T, E, 150	Irr	Well J-59, Bull. 6106. 1/
61-601	West Texas Utilities Co.	--	1930	--	--	--	Kce-Kct	2,335	116.80 123.05	Dec. 18, 1946 Jan. 14, 1981	N	N	Abandoned industrial well. Reported yield 150 gal/min. Well K-30, Bull. 6106. 4/
604	do	Dixon Pump and Drilling Co.	1969	240	11	240	Kce-Kct	2,358	--	--	T, E	Ind	Drawdown of 50 feet, pumping 210 gal/min on Jan. 24, 1969. 3/
605	do	Layne-Texas Co.	1969	257	13	257	Kce-Kct	2,345	111	Jan. 24, 1969	T, E	Ind	Pumped 230 gal/min. 3/
606	do	Gene Shackleford	1967	255	--	--	Kce-Kct	2,352	--	--	T, E	Ind	3/
607	do	do	1971	256	11	256	Kce-Kct	2,353	--	--	T, E	Ind	3/
608	do	Layne-Texas Co.	1969	245	20 11	10 245	Kce-Kct	2,366	124	Feb. 28, 1969	T, E	Ind	Owner's well No. 16. Screened 195 to 235 feet. Yield measured at 250 to 271 gal/min on Mar. 1, 1969. 3/
609	do	Gene S. Shackleford	1969	258	11	258	Kce-Kct	2,361	--	--	T, E	Ind	Owner's well No. 19. 3/
610	do	do	1969	260	11	260	Kce-Kct	2,367	117	June 24, 1969	T, E	Ind	Owner's well No. 20. Yield reported at 239 gal/min on June 24, 1969, with 56 feet of drawdown on 24-hour test. 3/
611	do	do	1972	279	10	279	Kce-Kct	2,360	--	--	T, E	Ind	Owner's well No. 27. 3/
612	do	do	1972	241	10	241	Kce-Kct	2,355	--	--	T, E	Ind	Owner's well No. 28. 3/
701	M. Fox	--	--	--	12	--	Kce-Kct	2,409	88.65 74.48	July 25, 1957 Jan. 14, 1981	N	N	Unused irrigation well. 4/
* 702	Looney	--	--	--	14	--	Kce-Kct	2,405	87.7	Feb. 5, 1958	T, Ng	Irr	Yield was 1,715 gal/min on July 25, 1957. Well K-56, Bull. 6106.
901	West Texas Utilities Co.	Gene Shackleford	1968	268	20	--	Kce-Kct	2,395	120.0	Aug. 22, 1968	T, E	Ind	Pumped 145 gal/min on 24-hour test with drawdown of 70 feet on Aug. 22, 1968. 3/
902	do	do	1968	254	11	249	Kce-Kct	2,403	120.0	July 3, 1968	T, E	Ind	On 24-hour test, drawdown of 134 feet, pumping 90 gal/min on July 15, 1968. 3/
903	do	do	1968	264	11	261	Kce-Kct	2,411	124.0	July 23, 1968	T, E	Ind	On 24-hour test July 23, 1968, drawdown of 38 feet, pumping 295 gal/min. 3/
904	do	do	1968	289	--	--	Kce-Kct	2,410	126.0	Aug. 30, 1968	T, E	Ind	On 24-hour test, Aug. 31, 1968, drawdown of 34 feet, pumping 372 gal/min. 3/
905	do	do	1968	300	--	--	Kce-Kct	2,413	124.6	Oct. 10, 1968	T, E	Ind	On 24-hour test, Oct. 10, 1968, drawdown of 56 feet, pumping 247 gal/min. 3/
906	do	do	1971	370	8	365	Kce-Kct	2,462	--	--	T, E	Ind	Owner's well No. 26.
62-901	Jack Adamson	--	1948	--	--	--	Kce-Kct	2,302	78.55 60.22	Jan. 19, 1961 Jan. 14, 1981	T, Ng	N	Unused irrigation well. Well L-33, Bull. 6106. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* US-45-62-904	L. J. Haren	--	--	250	--	--	Kce-Kct	--	71.6	Feb. 14, 1958	T, Ng	Irr	Temp. 69°F. Well L-48, Bull. 6106.
63-701	D. S. Warren	Lee Bullock	1946	138	16	9	Kce-Kct	2,303	53.58 62.85	Dec. 9, 1946 Jan. 8, 1980	T, G	Irr	Reported yield 800 to 2,000 gal/min. Discharge measurement 550 gal/min on June 27, 1950. Well L-57, Bull. 6106. 3/ 4/
* 703	Joe Duval	Tom Sullivan	1948	199	12	--	Qal, Kce-Kct	2,300	--	--	T, Ng	Irr	Reported yield 940 gal/min in 1957. Well L-59, Bull. 6106.
46-48-502	C. E. Davis	L. Walker	1958	724	16	--	Qal	2,525	160.38 235.56	Jan. 17, 1961 Jan. 8, 1974	T, G	Irr	Radioactivity log. Electric log. Temp. 76°F. Well A-21, Bull. 6106. 4/
602	do	do	1957	520	16	520	Qal, K	2,526	41.57 80.27	Jan. 15, 1957 Jan. 14, 1981	T, Ng	Irr	Yield estimated at 1,500 gal/min. Well A-8, Bull. 6106. 4/
* 604	do	do	1955	425	16	425	Qal	2,528	132.68 246.20	Jan. 15, 1958 Jan. 8, 1974	T, Ng	Irr	Reported yield 1,500 gal/min. Temp. 75°F. Well A-17, Bull. 6106. 2/
701	Mobil Oil Co.	Layne-Texas Co.	1964	654	9	654	Kce-Kct	2,683	152.0	Dec. 17, 1964	T, E	Ind	On 12-hour test on Dec. 17, 1964, drawdown of 45 feet, pumping 40 gal/min.
801	Mrs. Branch	--	1957	400	16	--	Qal, K	2,578	189.25 245.59	Jan. 28, 1958 Jan. 11, 1978	N	N	Unused irrigation well. Well A-60, Bull. 6106. 4/
* 802	Hodge Est.	Earl Fisher	1957	779	16	--	Qal	2,556	64.20 121.69	Jan. 20, 1959 Jan. 14, 1981	T, G	Irr	Reported yield 1,500 gal/min. Temp. 74°F. Well A-26, Bull. 6106. 4/
* 803	Clarence Stephan	L. Walker	--	400	--	--	Qal	--	240	--	T, Ng	Irr	Estimated yield 750 gal/min. Drawdown of 320 feet. Well drilled to 500 feet, filled with sand to 400 feet. Temp. 72°F.
901	Allen Tipton	A. Tipton	1957	302	16	302	Qal, K	2,554	65.97 81.35	Jan. 16, 1958 Jan. 10, 1979	T, Ng	N	Unused irrigation well. Well A-48, Bull. 6106. 4/
* 902	A. J. Hoelscher	L. Walker	1955	633	16	633	Qal, K	2,573	164.08 244.16	Jan. 28, 1958 Jan. 14, 1981	T, Ng	Irr	Measured yield 1,387 gal/min on Aug. 18, 1955. Pump set at 240 feet. Well A-50, Bull. 6106. 4/
* 903	C. E. Davis	do	--	610	16	--	Qal	2,555	178.4	Jan. 15, 1958	T, Ng	Irr	Temp. 75°F.
* 904	D. A. Tipton	--	1972	700	--	--	Qal	--	--	--	T, Ng	Irr	Do.
55-302	Burkholder Bros.	--	--	--	16	--	Qal	2,532	141.02	Jan. 31, 1958	T, Ng	Irr	Pumped 350 gal/min in 1956. 5/
* 602	W. G. Locker & Sons	Taylor Wilcox	1953	210	16	210	Qal, K	2,691	126.08 153.47	Jan. 31, 1958 Jan. 9, 1980	T, G	Irr	Reported yield 400 gal/min on Sept. 10, 1957. Well A-198, Bull. 6106. 4/
603	Gary Klose	L. Walker	--	600	16 10	275 600	Qal, K	2,694	152.47 237.80	Feb. 6, 1958 Jan. 9, 1980	S, E	N	Unused irrigation well. Electric log. Perforated 285 to 325 and 345 to 435 feet. Well A-202, Bull. 6106. 4/
56-203	C. Wilson	--	--	268	16	268	Qal, K	2,603	199.10 225.20	Jan. 29, 1958 Jan. 24, 1959	T	Irr	Well A-98, Bull. 6106. 3/ 5/
204	Pecos County	--	--	--	12	--	Qal	2,617	--	--	S, E	P	Supplies Coyanosa.
205	do	--	--	--	8	--	Qal	2,617	--	--	S, E	P	Do.
* 301	Virgil Massengill	--	1956	568	18	568	Kce-Kct	2,618	243.18 327.65	Jan. 13, 1961 Jan. 10, 1979	S, E	Irr	Temp. 75°F. Well A-117, Bull. 6106. 4/
305	do	L. Walker	1956	734	18	734	Kce-Kct	2,622	--	--	T, Ng	Irr	Perforated 261 to 454 and 504 to 734 feet. Reported yield 800 gal/min. Temp 74°F. Well A-116. Bull. 6106.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
US-46-56-306	R. C. Crabb	--	--	750	16	--	Kce-Kct	2,594	287.9 246.4	June 2, 1976 Mar. 3, 1977	N	N	2/
* 401	Gary Klose	--	--	400	16	--	Qal	2,686	169.64 321.55	Feb. 4, 1958 Jan. 9, 1980	N	N	Abandoned irrigation well. Recorder well. Temp. 76°F. Well A-185, Bull. 6106. 4/
404	Ralph Burkholder	L. Walker	1954	560	16	560	Kce-Kct	2,670	249.60 411.62	Jan. 31, 1958 Jan. 9, 1980	N	Irr	Perforated for 225 feet. Electric and radioactivity logs. Well A-170, Bull. 6106. 4/
* 407	Sim Reeves	--	--	200+	--	--	Qal	2,684	--	--	T, E	Irr	Temp. 71°F.
* 502	H. V. Colls	L. Walker	--	494	16	494	Qal	2,658	216.04 331.48	Jan. 20, 1958 Jan. 29, 1976	T, Ng	Irr	Radioactivity log and electric logs. Casing perforated from 333 to 494 feet. Well A-154, Bull. 6106. 2/
* 507	F. A. Zeitler	--	--	600	16	--	Qal	2,664	221.4	Jan. 28, 1958	T, Ng	Irr	Well A-166, Bull. 6106.
* 703	Glen Emert	L. Walker	1955	649	16	649	Qal	2,718	253.38 348.20	Feb. 6, 1963 Jan. 9, 1974	T, Ng	Irr	Perforated 366 to 649 feet. Well F-19, Bull. 6106. 1/
* 803	J. D. Fortenberry	do	--	850	16	850	Qal	2,727	218.9	Jan. 26, 1959	T, Ng	Irr	Temp. 84°F. Well F-52, Bull. 6106.
* 901	Frank Coleman	do	1957	902	16	902	Qal, K	2,688	202.7	Jan. 24, 1959	T, Ng	Irr	Well F-43, Bull. 6106. 1/
63-301	-- Emert No. 1	The Ibex Oil Co.	1956	5,502	--	--	--	2,759	--	--	N	N	Oil test used for control. Electric log Q-58 in files of Texas Dept. of Water Resources.
* 302	Sy Stafford	--	1957	464	16	410	Kce-Kct	2,772	180.67 270.38	Nov. 20, 1957 Jan. 10, 1979	T, Ng	Irr	Well F-76, Bull. 6106. 4/
* 601	Mrs. H. D. Mendell	--	--	203	6	--	Kce-Kct	2,873	168.50 177.45	Mar. 3, 1940 Jan. 29, 1976	C, W	S	Well F-93, Bull. 6106. 2/
* 901	A. B. Foster	Billy Sol Estes	1957	300	16	--	Kce-Kct	2,919	202.15 251.19	Aug. 15, 1957 Jan. 14, 1981	T, E	Irr	Temp. 74°F. Well F-94, Bull. 6106. 4/
* 64-201	Nelson Lethco	L. Walker	1957	500	12	--	Kce-Kct?	2,746	221.10	Dec. 6, 1972	T, E	Irr	Reported yield 1,000 gal/min. Water reported in gravel from 350 to 476 feet. Well F-50, Bull. 6106. 1/
* 302	Yarbrough & Crow	Earl Fisher	--	690	16	690	Qal, Kce-Kct	2,743	153.1	Jan. 24, 1959	T, Ng	Irr	Estimated yield in 1958, 400 gal/min. Radioactivity log. Well F-48, Bull 6106.
* 801	Dr. D. J. Sibley	--	1939	381	7	381	Kce-Kct	2,768	159.40 178.31	Dec. 4, 1946 Jan. 29, 1976	C, W	S	Temp. 76°F. Perforated 361 to 381 feet. Well F-89, Bull. 6106. 2/
* 52-06-302	Mrs. H. D. Mendel	Perry Jones	--	237	--	--	Qal	2,979	160.85 170.69	Apr. 17, 1958 Jan. 26, 1968	C, W	S	Well N-11, Bull. 6106. 1/
501	James Ensor	Charles Langlite	1953	351	16	250	Kce-Kct	3,074	176.70 188.95	Feb. 20, 1956 Jan. 13, 1981	N	N	Abandoned irrigation well. Reported yield 500 gal/min in 1957. Well N-16, Bull. 6106. 3/ 4/
* 502	Texas Department of Highways & Public Transportation	--	1938	225	6	--	Kce-Kct	3,076	178.4 180.93	Jan. 21, 1959 Jan. 10, 1961	S, E	P	Temp. 84°F. Well N-19, Bull. 6106. 1/
* 07-301	Dub Riley	Billy Sol Estes	1956	--	16	--	Qal	2,991	194.60	Jan. 9, 1961	T, E	Irr	Well P-2, Bull. 6106. 1/
* 302	Bennie Downing	Perry Jones	1957	501	16	501	Kce-Kct	2,964	126.70 317.13	Jan. 15, 1958 Jan. 9, 1978	S	Irr	Estimated yield 750 gal/min on Mar. 24, 1957. Temp. 75°F. Well P-3, Bull. 6106. 3/ 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* US-52-07-603	Raymond Tyler	John Lancaster	1956	630	20 16	200 400	Kce-Kct	3,015	133.3	Jan. 17, 1958	T, E	Irr	Temp. 74°F. Well P-34, Bull. 6106.
* 701	M. R. Kennedy	--	1961	455	--	--	Kce-Kct	3,125	160.49 144.72	Sept. 6, 1957 Jan. 28, 1976	S, E	D, S	Temp. 74°F. Well deepened in 1961 from 175 to 455 feet. Well N-30, Bull. 6106. 2/
901	D. C. McAteer	R. T. Mullican	1957	612	--	--	Kce-Kct	3,076	137.96 187.81	Jan. 12, 1958 Jan. 7, 1980	T, E	Irr	Well P-43, Bull. 6106. 4/
* 902	George Baker	Richardson Bros.	1957	550	16	365	Kce-Kct	3,079	140.8	Dec. 21, 1959	T, E	Irr	Yield 766 gal/min on Aug. 13, 1957. Well P-52, Bull. 6106. 3/
* 08-301	D. J. Sibley	Laurence Ryan	1943	401	7	401	Kce-Kct	2,946	72.78 76.45	Jan. 22, 1959 Jan. 11, 1961	C, W	S	Well P-17, Bull. 6106. 1/
405	Firestone Tire & Rubber Co.	Gene Shackleford	--	540	7	--	Kce-Kct	3,008	--	--	S, E, 25	Ind	Deepened in 1973. Owner's well No. 4.
406	do	--	1978	550	7	530	Kce-Kct	3,012	--	--	S, E, 25	Ind	Owner's well No. 5
702	do	Perry Jones	1968	493	7	493	Kce-Kct	3,035	--	--	S, E, 75	Ind	Owner's well No. 3. 3/
* 801	George Baker	--	--	139	8	--	Kce-Kct	3,086	84.20 113.10	June 16, 1947 Feb. 14, 1977	C, W	S	Well P-62, Bull. 6106. 4/
902	Leon Valley Farms	--	--	290	10	--	Kce-Kct	3,001	25.82 94.23	Dec. 31, 1956 Feb. 8, 1978	N	N	Well P-79, Bull. 6106. 4/
* 905	Chandler Co.	S. H. Parker	1957	406	16	406	Kce-Kct	3,004	24.10 65.75	Feb. 13, 1958 Jan. 14, 1975	T, Ng	Irr	Electric log. Perforated 100 to 405 feet. Well P-74, Bull. 6106. 2/ 3/
* 908	do	do	1957	346	16	346	Kce-Kct	3,004	129.55 63.78	Oct. 29, 1962 Jan. 14, 1975	T, Ng	Irr	Radioactivity and electric logs. Perforated 100 to 346 feet. Well P-70, Bull. 6106. 2/
* 13-201	Mrs. Ralph Lindsey	--	old	500	8	500	Kce-Kct	3,312	323.8	Oct. 15, 1957	S, E	D, S	Temp. 74°F. Well M-20, Bull. 6106.
* 301	J. H. Hayter	Lignon Brothers	--	360	7	--	Kce-Kct	3,295	342.00	Oct. 3, 1957	C, W	S	Temp. 75°F. Well M-14, Bull. 6106. 1/
* 901	Gene Cartledge	--	1941	390	4	--	Kce-Kct	3,488	218.00	May 9, 1958	C, W	D	Well X-24, Bull. 6106. 1/
* 14-201	Malcom Almond	--	--	375	--	--	Kce-Kct	3,319	339.1	Mar. 16, 1958	C, W	S	Temp. 74°F. Well N-35, Bull. 6106.
* 16-101	George Baker	R. A. Cleveland	1946	294	8	272	Kce-Kct	3,162	168.80 235.58	June 16, 1947 Jan. 16, 1975	C, W	S	Reported yield 2 gal/min. Well P-135, Bull. 6106. 2/
301	Wesley Whittman	Joe Gray	1957	559	12	263	Kce-Kct	3,097	97.29 103.18	Jan. 29, 1958 Jan. 8, 1980	T, Ng	Irr	Radioactivity and electric logs. Well P-131, Bull. 6106. 4/
* 302	Clayton Williams	Claude Garrett	1946	446	12	280	Kce-Kct	3,080	87.26 119.65	Jan. 4, 1961 Jan. 8, 1980	T, Ng	Irr	Perforated 40 to 70, 120 to 140, 270 to 280 feet. Temp. 82°F. Measured yield 1,474 gal/min on Mar. 28, 1956. Well P-118, Bull. 6106. 4/
303	Wesley Whitman	Perry Jones	--	--	--	--	Kce-Kct	3,098	117.35 136.05	Nov. 24, 1957 Jan. 15, 1981	T	Irr	Well P-114, Bull. 6106. 4/
* 401	Pete McIntyre	Cleveland & Stone	--	396	6	--	Kce-Kct	3,298	295.9	June 25, 1958	C, W	S	Temp. 88°F. Well Z-1, Bull. 6106.
602	Belding Farms	Wilson & Parker	1955	670	16	490	Kce-Kct	3,194	149.50 225.43	Jan. 3, 1955 Jan. 8, 1980	N	N	Unused irrigation well. Measured yield 903 gal/min on Mar. 31, 1956. Perforated 295 to 490 feet. Radioactivity log. Well Z-27, Bull. 6106. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
US-52-16-603	Clayton Williams	Gray Bros.	1947	425	16	115	Qal, K	3,128	115.1 162.27	Jan. 31, 1958 Oct. 30, 1962	T, Ng	Irr	Yield reported at 2,500 gal/min on Aug. 30, 1966. Well P-124, Bull. 6106. 2/
* 608	Belding Farms	Beckman Drilling Co.	1964	1,600	20 16	496 1,375	Por	3,195	160.00 166.82	Oct. 14, 1964 Jan. 15, 1981	S	Irr	Specific capacity 19 gal/min/ft. Produced 900 gal/min. Radioactivity log. Producing intervals 1,375 to 1,600 feet. 4/
* 609	do	do	1964	1,975	12 14	504 1,332	Por	3,192	160.00 185.40	Oct. 15, 1964 Jan. 15, 1981	S	Irr	Reported yield 4,400 gal/min. 4/
* 801	City of Ft. Stockton	Gray Brothers	1957	450	16	--	Kce-Kct	3,254	268.92	Dec. 4, 1975	T, Ng	Irr	Reported yield 1,800 gal/min in 1958. 1/
802	do	Gene Shackleford	1964	500	16	292	Kce-Kct	3,199	246.88 217.90 207.85	Jan. 20, 1976 Dec. 11, 1979 Dec. 17, 1980	N	N	Former public supply well. Pumping level 360 feet. 3/ 4/
803	do	--	1952	400	--	--	Kce-Kct	3,219	200.00	1979	T, E, 250	P	Pump setting 320 feet. Pumped 1,200 gal/min in 1978.
804	do	-- Gray	1954	400	--	--	Kce-Kct	3,192	200	1979	T, E, 250	P	Pump set at 360 feet. Pumped 1,500 gal/min in 1979.
* 901	L. P. Williams	Gray Brothers	1957	420	16	270	Kce-Kct	3,195	168.95 159.20	Jan. 23, 1959 Jan. 14, 1975	S, E	D	Well Z-12, Bull. 6106. 5/
903	City of Ft. Stockton	Gene Shackleford	1962	500	--	--	Kce-Kct	3,225	--	--	T, E, 200	P	Pump set at 420 feet. Pumped 1,500 gal/min in 1979.
904	do	do	1962	400	--	--	Kce-Kct	3,219	235.0	Mar. 5, 1979	T, E, 200	P	Pump setting 320 feet. Pumped 1,500 gal/min in 1979.
* 21-301	Gene Cartledge	--	1941	350	6	--	Kce-Kct	3,517	324.5	May 8, 1958	C, W	S	Temp. 74°F. Well X-34, Bull. 6106.
* 22-801	Graeff Brothers	Eural Jones	1955	450	14	410	Kce-Kct	--	342.55 335.34	Oct. 30, 1962 Feb. 8, 1967	T, G	Irr	Yield 1,200 gal/min with 5 feet of drawdown on 6½-hour test. Well HH-4, Bull. 6106. 3/ 5/
* 802	David McGill	Royce Hemmline	1956	419	16 12	191 419	Kce-Kct	3,484	120.00 157.61	Mar. 5, 1956 Feb. 14, 1977	T, G	Irr	Reported yield 950 gal/min. Perforated 130 and 140 to 419 feet. Well HH-15, Bull. 6106. 3/ 4/
* 23-101	M. R. Kennedy	--	1952	650	7	--	Kce-Kct	3,605	481	Oct. 1957	C, W	S	Temp. 76°F. Well X-12, Bull. 6106.
* 301	do	--	--	400	--	--	Kce-Kct	--	225	Sept. 1957	C, W	S	Temp. 79°F. Well Y-11, Bull. 6106.
* 24-801	Elsinore Cattle Co.	--	1918	700	8	--	Kce-Kct	--	450	1958	C, W	S	Temp. 74°F. Well Z-82, Bull. 6106.
* 30-101	Mrs. Elizabeth Graef	Fritz Graef	1917	300	6	--	Kce-Kct	3,543	178.90 219.67	June 6, 1956 Jan. 8, 1979	C, W	D	Formerly used by railroad. Well HH-16, Bull. 6106. 4/
* 201	David McGill	--	old	300	6	300	Kce-Kct	--	209.9	June 9, 1971	C, W	S	Temp. 72°F. Well HH-13, Bull. 6106.
* 53-01-402	Ernest Riggs	Earl Holloway	1947	381	18	60	Kce-Kct	2,919	14.20 53.95	June 6, 1947 Jan. 8, 1980	C, W	S	Temp. 72°F. Well Q-130, Bull. 6106. 4/
* 502	do	Smith & Holloway	1946	335	16	107	Kce-Kct	2,879	28.70 47.19	Feb. 15, 1958 Jan. 8, 1980	C, W	S	Temp. 70°F. Well Q-133, Bull. 6106. 4/
* 703	L. V. Braden	Perry Jones	1953	375	17	--	Qal	3,028	40.01	Aug. 19, 1970	N	N	Temp. 74°F. Well Q-163, Bull. 6106. 1/
* 705	do	Bodie Smith	1956	302	N	--	Kce-Kct	3,020	18.71	do	N	N	Previously used for irrigation. Radioactivity log. Well Q-161, Bull. 6106. 3/
* 706	do	Eural Jones	1957	400	12	--	Kce-Kct	3,010	22.2	do	S, E	D	Temp. 73°F. Well Q-164, Bull. 6106.
803	City of Ft. Stockton	R. A. Cleveland	1956	390	12	229	Qal, K	--	225	Sept. 15, 1953	T, E	P	Pump set at 360 feet. Well Q-174, Bull. 6106. 2/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* US-53-01-902	City of Ft. Stockton	R. A. Cleveland	1946	180	12	161	Kce-Kct	2,981	51.80 80.00	Oct. 21, 1946 Jan. 10, 1980	N	N	Former public supply well. Performance test 1956; production 1,110 gal/min. Well Q-199, Bull. 6106. 4/
* 903	Mrs. B. F. Webb	Earl Scarbrough	1944	258	7	90	Kce-Kct	2,951	41.40 89.00	Mar. 15, 1950 Jan. 21, 1975	S, E	D, S	Well Q-236, Bull. 6106. 2/
* 02-102	Harrison Dyche	Carmine Drilling Co.	1947	260	14	240	Kce-Kct	2,856	38.50 80.50	Apr. 14, 1947 Jan. 12, 1978	T, Ng	Irr	Reported yield 1,465 gal/min. Perforated 60 to 80 feet. Temp 68°F. Radioactivity logs. Well Q-40, Bull. 6106. 4/
* 403	Lee O. White	Lee O. White	1947	310	12	80	Kce-Kct	2,879	77.23 87.22	Oct. 30, 1962 Jan. 11, 1979	T	N	Unused irrigation well. Measured yield 410 gal/min on May 31, 1960. Perforated from 60 to 80 feet. Radioactivity logs. Well Q-72, Bull. 6106. 4/
* 405	Fisher Powell	Morrison Drilling Co.	1959	280	6	120	Qal	2,900	--	--	S, E	D, S	
* 502	B. E. Mitchel	Eural Jones	1948	255	16	105	Qal	2,907	42.0 86.94	Apr. 15, 1956 Jan. 26, 1966	T	Irr	Reported yield 1,200 gal/min on Apr. 6, 1956. Well R-46, Bull. 6106. 1/
702	Edward Haughton	R. A. Cleveland	1945	347	5	196	Qal	2,949	85.5	Jan. 10, 1961	N	N	Unused public supply well at Comanche Courts.
* 703	Burney Ligon	Eural Jones	1947	642	8	100	Kce-Kct	2,942	61.95 76.01	Jan. 25, 1952 Jan. 11, 1979	T, E	D	Yield 600 gal/min. Producing interval 40 to 100 feet. Radioactivity logs. Well Q-286, Bull. 6106. 4/
802	C. C. Davenport	C. H. Cunningham	1953	300	14	15	Kce-Kct	2,915	75.80 82.38	Nov. 1, 1957 Jan. 11, 1979	T, Ng	Irr	Reported yield 600 gal/min in 1956. Well R-39, Bull. 6106. 4/
901	Burney Ligon	Rex Wood	1932	289	5	173	Qal, K	2,929	82.40 125.22	June 11, 1950 Dec. 8, 1972	C, W	S	Originally drilled to 326 feet and now caved to 289 feet. Well R-32, Bull. 6106. 2/
* 03-201	University of Texas	--	--	185	8	--	Qal, Kce-Kct	2,690	180.47	May 3, 1973	C, W	S	Temp. 70°F. Well R-19, Bull. 6106.
* 901	Texas Dept. of Highways & Public Transportation	--	--	462	--	--	Kce-Kct	2,876	132.10 157.97	Jan. 26, 1952 Jan. 9, 1979	N	N	Former public supply well. Well S-36, Bull. 6106. 4/
* 05-901	University of Texas	--	--	220	16	--	Kce-Kct	--	69.88	Jan. 26, 1959	T	Irr	Well T-26, Bull. 6106. 1/
* 902	do	--	--	200	--	--	Kce-Kct	2,542	106.1	Feb. 1, 1947	C, W	S	Temp. 70°F. Well T-31, Bull. 6106.
* 06-301	V. G. Neville	-- Tipton	1950	210	16	208	Kce-Kct	2,323	93.74	Jan. 26, 1959	T	Irr	Measured yield 1,166 gal/min on Sept. 19, 1957. Temp. 73°F. Well U-15, Bull. 6106. 1/
* 302	do	do	1950	212	16	212	Kce-Kct	2,340	107.90 120.26	Dec. 8, 1955 Aug. 21, 1957	T	N	Unused irrigation well. Well U-12, Bull. 6106. 1/
306	Marshall Neville	Humble Oil & Refining Co.	1928	192	12	115	Qal, Kce-Kct	--	106.6	Sept. 12, 1957	E	P	Owner's "Humble" well. Supplies water to several houses in Bakersfield District. 6/
* 501	Roy McDonald	--	1948	425	16	300	Kce-Kct	2,410	78.10 101.60	Apr. 23, 1948 Jan. 14, 1981	T, Ng	Irr	Perforated 80 to 170 feet. Temp 72°F. Well U-50, Bull. 6106. 4/
* 701	University of Texas	N. A. House	--	200	--	--	Kce-Kct	2,530	137.2	Apr. 19, 1947	C, W	S	Temp. 78°F. Well T-28, Bull. 6106.
801	R. E. Bohannon	do	1936	192	5	--	Qal, Kce-Kct	2,538	166.4	Apr. 1, 1947	E	Ind, D	Used at Enco Gas Station. 6/
* 07-101	V. G. Neville	Lee Bullock	1939	76	8	--	Qal	2,321	78.5	May 16, 1950	C, W	S	Drilled from 61 to 76 feet in 1939. Well U-22, Bull. 6106. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above(+) or below land surface datum (ft)	Date of measurement			
* US-53-07-201	M. R. Tripp	Scenas & Haines	1948	150	16	60	Qal	2,268	54.6	Feb. 7, 1958	T, Ng	Irr	Yield 1,178 gal/min on Aug. 22, 1959. New well at same location drilled about 1954. Well L-83, Bull. 6106.
* 701	Mary Lea McKenzie	--	--	535	6	--	Kce-Kct	2,767	500	Apr. 1947	C, W	D, S	Well U-79, Bull. 6106.
08-103	City of McCamey	N. C. House	1955	318	18 8	250 318	Kce-Kct	2,350	200	1955	S, E, 10	P	Owner's well No. 5. Perforated 224 to 318 feet. Well V-10, Bull. 6106.
* 401	do	Layne-Texas Co.	1928	354	16	326	Kce-Kct	2,365	168.9	May 24, 1959	S, E, 40	P	Owner's well No. 2. Perforated 286 to 326 feet. Pumped 279 gal/min. Well V-13, Bull. 6106.
402	do	do	1929	272	15 8	238 272	Kce-Kct	2,393	167.6 204.5	Feb. 11, 1947 May 24, 1957	S, E, 10	P	Owner's well No. 1. Perforated 232 to 272 feet. Reportedly pumped 150 gal/min on Nov. 1, 1979. Well V-14, Bull. 6106.
403	do	D. G. Ash	1950	296	18 10	257 296	Kce-Kct	2,361	183.3	do	S, E, 10	P	Owner's well No. 4. Perforated 256 to 296 feet. Reportedly pumped 250 gal/min on Nov. 1, 1979. Well V-11, Bull. 6106.
404	do	N. C. House	1954	328	18	250	Kce-Kct	2,367	192.3	do	S, E, 10	P	Owner's well No. 6. Well originally drilled to 368 feet and plugged back to 328 feet. Well V-9, Bull. 6106.
405	do	Buck Jones	1964	349	--	--	Kce-Kct	2,378	--	--	S, E, 10	P	Owner's well No. 7.
406	do	Layne-Texas Co.	1970	316	18 13	250 316	Kce-Kct	2,422	201	Feb. 16, 1970	S, E	P	Owner's well No. 8. Slotted from 261 to 311 feet. Reported yield 264 gal/min with 56 feet of drawdown on 6-hour test. Specific capacity 4.7 gal/min/ft. 3/
501	City of Iraan	do	1964	271	11	271	Kce-Kct	2,385	--	--	T, E	P	Owner's well No. 3. Screened 211 to 271 feet. Pumped 295 gal/min. 6/
601	do	Schneider Drilling Co.	1963	260	10	260	Kce-Kct	2,384	157	Aug. 9, 1963	T, E	P	Owner's well No. 1. Pumped 464 gal/min. 6/
602	do	Dixon Pump and Drilling Co.	1963	255	11	255	Kce-Kct	2,385	135	Sept. 25, 1963	T, E	P	Owner's well No. 2. Pumped 350 gal/min. 6/
603	do	--	1971	276	11	267	Kce-Kct	2,355	130	Sept. 16, 1971	T, E	P	Owner's well No. 4. Slotted from 187 to 260 feet. 6/
09-105	Joe Harrell	A. N. Yockey	1954	200	--	--	Kce-Kct	3,087	106.50 140.12	Jan. 3, 1957 Jan. 8, 1980	N	N	Formerly used for irrigation. Measured 800 gal/min after 2 hours pumping in 1956. Temp. 77°F. Radioactivity and electric logs. Well Q-322, Bull. 6106. 4/
301	Page Carson	Perry Jones	1954	210	16	--	Kce-Kct	3,012	77.70 119.09	Feb. 17, 1958 Jan. 13, 1981	N	N	Former irrigation well. Reported yield 400 gal/min on Apr. 9, 1956. Well Q-306, Bull. 6106. 4/
* 402	C & C Farms	Stephens Drilling Co.	1955	520	16 12	--	Kce-Kct	3,196	172.55 247.91	Jan. 30, 1958 Jan. 10, 1978	T, Ng	Irr	Reported yield 1,171 gal/min on Mar. 30, 1956. Perforated 250 to 280 feet. Temp. 77°F. Well AA-4, Bull. 6106. 4/
* 403	Dow Puckett	R. A. Cleveland	--	200	6	--	Qal	3,100	128.45	May 16, 1957	C, W	S	Temp. 76°F. Well Q-335, Bull. 6106. 1/
702	A. F. Buchanan	Stephens Drilling Co.	1955	515	20	30	Kce-Kct	3,253	226.39 207.07	Feb. 7, 1958 Jan. 9, 1979	T, Ng	N	Former irrigation well. Reported yield 450 gal/min. Radioactivity log. Well Z-49, Bull. 6106. 3/ 4/
10-101	City of Ft. Stockton	--	1940	227	--	--	Kce-Kct	3,025	117.00 169.60	Jan. 17, 1950 Jan. 7, 1980	N	N	Former irrigation well. Well Q-293, Bull. 6106. 4/
* 102	do	--	--	--	--	--	Kce-Kct	3,025	--	--	S, E	Irr	Temp. 72°F.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PECOS COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* US-53-10-502	Jeff B. Wade	F. M. Gorman	1942	400	8	--	Kce-Kct	3,123	224.11	June 4, 1973	C, W	S	Temp. 71°F. Well BB-1, Bull. 6106.
* 12-203	Jerry McKenzie	--	1951	--	--	--	Kce-Kct	2,768	24.16 37.80	Jan. 4, 1961 Jan. 8, 1980	T, G	Irr	Temp. 70°F. Well S-25, Bull. 6106. 4/
* 801	Laro McKenzie	--	--	375	6	--	Kce-Kct	2,998	206.0	June 4, 1973	C, W	D, S	Well CC-10, Bull. 6106.
* 14-501	Bill McKenzie	--	--	387	5	--	Kce-Kct	--	334.6	June 5, 1973	C, W	S	Temp. 72°F. Well EE-2, Bull. 6106.
* 15-601	Sherbino Est.	R. L. Cleveland	1939	503	6	--	Kce-Kct	--	440	May 1, 1947	C, W	S	Temp. 71°F. Well FF-2, Bull. 6106.
* 19-101	E. B. Carson	Hugh Gray	1925	450	--	--	Kce-Kct	--	400	Nov. 1946	C, W	S	Temp. 71°F. Well BB-30, Bull. 6106.
* 21-701	Northern National Gas Plant	--	1956	864	16 12	40 746	Kce-Kct	3,292	600	Feb. 1957	T, E, 100	P, Ind	Discharge reported 315 to 376 gal/min. Temp.73°F. Well DD-33, Bull. 6106.
* 22-501	F. P. Montgomery	--	1924	515	6	--	Kce-Kct	2,965	--	--	S, E	S	Well EE-32, Bull. 6106.
* 28-801	Guy S. Rachal	Hugh Cox	1940	585	--	--	Kce-Kct	3,470	570	Feb. 1947	C, W	S	"Center Mill" well. Temp. 73°F. Well MM-24, Bull. 6106.
* 37-501	Charles Downie	Clyde Work	1941	650	--	--	Kce-Kct	3,130	560	Feb. 1957	C, W	S	"Word" well. Temp. 76°F. Well UU-13, Bull. 6106.
* 41-301	C. F. Cox	--	old	100	5	--	Qal	--	60	May 16, 1973	S, E	D, S	Estimated yield 10 gal/min. Temp. 70°F.
* 43-901	Faith Cattle Co.	--	--	300	--	--	Kce-Kct	3,622	300	Nov. 1957	C, W	S	"Longfellow Mill" well. Well VV-24, Bull. 6106.
* 45-501	C. C. Mitchell	--	--	525	4	500	Kce-Kct	3,150	345	June 1973	C, W	S, D	Temp. 74°F. Well UU-32, Bull. 6106.
* 52-701	Joe W. Brown	--	--	630	8	--	Kce-Kct	3,287	350	Oct. 1958	C, W	S	Well WW-16, Bull. 6106.
* 54-01-701	M. A. Smith	Gulf Oil Co.	--	432	--	--	Kce-Kct	2,590	370	Apr. 1947	C, W	S, D	Sand reported from 395 feet to bottom. Well W-17, Bull. 6106.
* 09-801	T. G. Thigpen	--	--	210	6	--	Kce-Kct	2,270	95.5	Mar. 20, 1957	C, W	S, D	Well GG-40, Bull. 6106.
* 10-703	Church of Christ Camp	--	1972	100+	--	--	Kce-Kct	2,125	--	--	T, E	P, D	
* 18-401	H. C. Noelke, Jr.	Gibbs Brothers	1953	255	14	12	Kce-Kct	2,178	108.25 94.53	Jan. 29, 1959 Dec. 8, 1972	T, G	Irr	Yield 850 gal/min. Temp. 70°F. Well GG-84, Bull. 6106. 1/
* 402	Mrs. H. C. Noelke, Jr.	Hugh Gray	1946	180	14	15	Kce-Kct	2,158	75.30 62.46	Apr. 11, 1947 Nov. 15, 1957	T, E	Irr	Estimated yield 850 gal/min on Apr. 24, 1957. Well GG-82, Bull. 6106. 1/
503	City of Sheffield	Roy Johnson	1967	227	14 11	73 227	Kce-Kct	2,170	105	Sept. 28, 1967	T, E	P	Owner's well No. 1. Slotted 180 to 227 feet. On 8-hour test in Nov. 1967, drawdown of 110 feet, pumping 600 gal/min. 3/
504	do	J. B. Champman Drilling Co.	1974	294	14 9	60 278	Kce-Kct	2,170	130	June 17, 1974	S, E, 30	P	Owner's well No. 2.
505	County of Pecos Precinct No. 3	J. L. Greer Drilling Co.	1967	237	11	237	Kce-Kct	2,170	111	July 13, 1967	T, G	Irr	Slotted from 197 to 237 feet. Yield reported at 150 gal/min.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PRESIDIO COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
UW-51-28-902	Clay Evans	Hayden--Farmer Drilling Co.	1974	375	11 2	225 375	QTal, Tv	4,370	224.4 223.0 223.6	May 1, 1973 June 19, 1974 Mar. 15, 1976	N	N	U.S. Geological Survey Clay Evans No. 1 water-test hole. Drilled and logged to 2,000 feet. Progressively plugged back and jetted. Water samples from intervals 1,135-1,165; 971-1,001; 850-880; and 345-375 feet. Slotted 345-375 feet. Sample, electric, caliper, drill-time and radioactive logs. 3/ 6/
* 29-701	Southwest Farms, Inc.	H. E. Stanton	--	1,310	--	--	Tv	--	--	--	--	Irr	Specific data on well are being held confidential. Reportedly pumped 2,600 gal/min.
* 48-602	City of Marfa	Layne-Texas Co.	1928	881	16 10	291 881	Tv	4,688	170.00 197.04	Jan. 19, 1959 Jan. 16, 1980	T, E	P	City well No. 4. Reported yield 1,000 gal/min. Perforated from 425 to 881 feet. Well Q-6, Bull. 6110. 2/ 3/
* 603	do	E. Harrell	1945	1,100	16 11	314 1,100	Tv	4,688	184.84 192.09	Mar. 9, 1971 Jan. 9, 1978	T, E	P	City well No. 2. Reported yield 1,000 gal/min. Perforated from 170 to 298; 358 to 570; 815 to 889 feet. Temp 82°F. Well Q-7, Bull. 6106. 2/ 3/
901	A. P. Eppenaur	Harrell & Threat	1949	429	13 5	429 429	Tv	4,695	171.56 170.54	July 30, 1959 Jan. 16, 1980	T, E	Irr	Reported 1,000 gal/min. Perforated from 210 to 416 feet. Temp 78°F. Aquifer test data. Well Q-8, Bull. 6106. 2/
51-802	Miss Francis E. Howard	--	1950's	45	20	45	QalRG	2,844	12.49 4.10 3.49 5.02	Jan. 30, 1957 Apr. 22, 1961 Jan. 23, 1970 Jan. 22, 1980	T, Ng	Irr	"Howard irrigation" well. Slotted 10 to 45 feet. Yield reported at 800 gal/min in 1970. Poor quality water. 2/ 6/
* 807	Francis E. Howard	--	old	100+	6	--	Tv	2,840	49.90 48.76	Jan. 30, 1957 Feb. 6, 1981	S, E	D, P	Provides water for Candelaria Store also. Temp. 86°F. 2/ 6/
808	do	--	--	80	6	--	Qal	2,880	--	--	S, E, 1	P, D	Serves as public supply for nearly all families in Candelaria. 6/
* 56-902	Miller Robison	-- McSpadden	1954	99	20 16	50 80	Tv	4,338	28.58 35.39	Feb. 28, 1958 Feb. 6, 1981	S, E	Irr	Reported yield 500 gal/min. Drawdown 33 feet after pumping 5 months. Temp. 67°F. Well X-4, Bull. 6110. 2/
52-33-701	Catto Gage	Ray Roberts	--	270	8	270	Tv	4,856	199.4 196.20 199.47	Dec. 10, 1958 Mar. 10, 1971 Jan. 16, 1980	C, W	S	"Crow" mill. Reportedly a very strong well. Well K-2, Bull. 6110. 2/
* 41-802	Gene West-Nopal West	--	--	160	6	--	Tv	4,735	120.10 117.85	Aug. 18, 1942 Jan. 26, 1976	S, E	D, S	Well R-15, Bull. 6110. 2/
901	Gene West-Nopal Ranch	J. R. Watson	1942	840	13 10 7 5	319 429 818 840	Tv?	4,898	181.00 177.66	June 27, 1942	S, E	P	Owner's Airport well. Yield reported at 130 gal/min. Perforated 667 to 840 feet. Well R-20, Bull. 6110. 1/ 3/
49-402	Santa Fe Railroad Co.	-- McSpadden	1930	800	14 10 9	200 766 800	Tv	4,502	66.9 65.38 73.40	Aug. 8, 1943 Mar. 8, 1971 Jan. 17, 1980	T, Ng	Irr	"Tinaja" well. Yield reported at 1,200 gal/min about 1959. Well R-24, Bull. 6110. 2/
* 601	Hayes Mitchell	Santa Fe Railroad Co.	1920	300	7	--	Tv	4,734	90.74 96.48	Jan. 9, 1959 Jan. 17, 1980	C, W	S	Temp. 70°F. Well R-29, Bull. 6110. 2/
* 901	Ritchie Reynolds	--	--	--	8	--	Tv	4,689	107.95 112.65	July 28, 1958 Feb. 6, 1981	C, W	S	Temp. 71°F. Well R-36, Bull. 6110. 2/
74-24-201	Santa Fe Railroad Co.	--	1930	694	8 6 4	54 212 609	--	3,483	(+)	1968	Flows	Ind	Used by railroad. Owner's "artesian" well. Open hole 609 to 694 feet. Flowed 28 gal/min in 1968. 3/ 6/
29-612	U. S. Customs	--	1955	147	6	--	QalRG, QTal	2,570	14.8	June 21, 1974	J, E, 1	Irr	Formerly used as public supply. Yield reported at 60 gal/min. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

PRESIDIO COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
UW-74-29-616	Presidio Water Supply Corp.	Ray's Drilling	1979	80	8	--	Qal	2,601	42.2	Mar. 27, 1979	S, E	P	
30-402	Paul Probst Est.	--	1948	46	12	--	Qal	2,583	26.4	May 10, 1974	J, E, 1	D	Old Presidio public supply well now on standby. Perforated 30-48 feet. Original depth 48 feet. 6/
406	Clay Poole	--	1963	62	24	62	QalRG	2,600	15.90 14.14	Mar. 2, 1966 Jan. 21, 1980	T, G	Irr	2/
407	Presidio Water Supply Corp.	H. H. Virdell	1948	84	16	78	Qal	2,595	63.1	May 10, 1974	S, E, 20	P	Owner's well No. 1. Slotted 58-78 feet. Formerly belonged to the Santa Fe Railroad Co. 3/ 6/
408	Kuykendall and Black	--	--	56	6	--	QTal	2,597	45	do	S, E, 2	Ind	Owner's north well. Yield estimated at 20 gal/min.
409	do	--	1963	51	6	--	QTal	2,597	44.95	do	P, E, 2	Ind	Owner's south well. Yield reported at 15 gal/min.
410	Texas Department of Highways & Public Transportation	Texas Department of Highways & Public Transportation	1958	110	4	--	QTal	2,582	30.0	Mar. 21, 1973	S, E, 1	Ind	Yield reported at 40 gal/min. 3/ 6/
411	Presidio Truck & Tractor, Inc.	M. E. Evans	1963	75	8	--	QTal	2,590	33.4	May 11, 1974	S, E, ½	Ind	Yield reported at 12 gal/min. Slotted from 40 to 65 feet. 3/ 6/
503	Texas Parks & Wildlife Department	H. H. Virdell Drilling Co.	1969	52	7	50	QalRG	2,560	30	Nov. 1969	S, E	P	Public supply for Fort Leaton. Slotted from 17 to 42 feet. Yield reported at 1,500 gal/min.
809	do	do	1969	52	10 6	28 50	QalRG	2,551	7.8	June 17, 1974	S, E, 3/4	P	Public supply for Fort Leaton State Park. Slotted 17 to 42 feet. Yield reported at 50 gal/min. 3/ 6/
39-502	Rubin Madrid	--	1950	50	--	--	QalRG	2,480	10.5 10.6 11.4 8.43	June 19, 1961 Mar. 2, 1965 Jan. 23, 1970 Jan. 21, 1980	T, Ng	Irr	Reported yield 1,500 gal/min in 1961. 2/
504	Independent School District No. 1	John S. McSpadden	1964	214	7	214	QTal	2,515	45.0	June 17, 1974	S, E, 3/4	P	Redford public school water supply. Slotted 174 to 214 feet. Yield reported at 40 gal/min. 3/ 6/
505	Pablo B. Carrasco	H. Virdell	1967	200	6	--	QTal	2,522	56.6	do	S, E, ½	P	Well used by community. Yield reported at 15 gal/min. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-01-701	Jack Camp Est.	--	--	150	5	--	Qal	2,881	106.7	June 17, 1959	C, W	S	Temp. 70°F. Well A-12, Bull. 6214.
* 09-901	do	--	1970	200	--	--	Qal	2,858	--	--	C, W	S	Temp. 75°F.
* 10-701	do	--	old	160	6	--	Qal	2,851	100.37	June 22, 1959	C, W	S	Temp. 79°F. Well B-17, Bull. 6214. 1/
* 18-801	M. Madera	--	--	177	6	--	Qal	2,935	130.4	June 26, 1959	C, W	S	Temp. 80°F. Well C-14, Bull. 6214.
* 25-301	Armstrong Bros.	--	1960?	300	6	--	Qal	3,160	165.45 163.25	Mar. 13, 1940 Mar. 31, 1950	C, W	D, S	Well D-6, Bull. 6214. 1/
* 501	Shannon Ranches	H. E. Stanton	1965	545	16	--	Kce-Kct	3,242	186.96	Dec. 3, 1970	C, W	N	Unused livestock well. Yield 1,000 gal/min. Temp. 66°F. 1/ 3/
* 26-401	do	do	1965	800	16	800	Qal	3,192	275.78 275.30	Nov. 24, 1969 Dec. 5, 1972	S, E	S	Producing intervals 630 to 800 feet. Temp. 66°F. 1/
* 27-701	W. A. Halamiecik, Jr., et al.	--	--	231	7	--	Qal	2,856	213.36	Mar. 3, 1950	C, W	S	Well E-17, Bull. 6214. 1/
* 28-101	R. F. Kelton	--	--	200	--	--	Qal	2,750	137.9	July 21, 1959	C, W	S	Temp. 80°F. Well F-3, Bull. 6214.
* 301	D. O. Lara	--	1949	125	6	125	Qal	2,650	26.65	July 8, 1959	C, W	N	Unused livestock well. Well F-11, Bull. 6214. 1/
* 501	T. S. Ingle	--	old	77	--	--	Qal	2,646	41.97	May 11, 1941	N	N	Permanently abandoned. Well F-26, Bull. 6214. 1/
801	J. L. Lovelace	Lowery Walker	1952	519	16	519	Qal	2,660	145.70 119.20 117.82	Feb. 7, 1969 Jan. 16, 1979 Jan. 16, 1980	T, Ng	Irr	Slotted from 95 to 519 feet. Well F-29, Bull. 6214. 4/
802	C. Fitzgerald	Earl Fisher	1952	300	14	300	Qal	2,624	39.82 41.68 50.38	Nov. 3, 1958 Jan. 16, 1979 Jan. 27, 1981	T, Ng	Irr	Slotted from 100 to 300 feet. Well F-40, Bull. 6214. 4/ 6/
901	J. E. Couch	--	1946	143	18	143	Qal	2,596	15.39 18.37 22.95	Nov. 4, 1946 Feb. 4, 1953 July 13, 1959	N	N	Unused former irrigation (?) well. Yield measured at 845 gal/min on Mar. 8, 1950. Aquifer test data. Well F-38, Bull. 6214. 1/
* 902	Marvic Clark	--	old	280	51	--	Qal	2,614	15.73	July 9, 1959	C, W	N	Unused livestock well. Well F-39, Bull. 6214. 1/
* 33-801	Mackie McAlpin	--	old	36	8	--	Kce-Kct	3,107	24.38	Aug. 6, 1970	C, W	S	Temp. 72°F.
* 901	do	--	old	124	6	--	Kce-Kct	3,029	97.83	do	C, W	S	Owner's north well.
* 34-401	Buck Miller	--	--	--	6	--	Qal	3,045	115.4	July 28, 1959	C, W	S	Temp. 76°F. Well G-9, Bull. 6214.
* 701	J. A. Burchard, et al.	--	old	75	--	--	Qal	2,968	63.66	July 31, 1959	C, W	S	Temp. 70°F. Well G-11, Bull. 6214. 1/
901	Warren Wright, Jr. Est.	Apachie Oil Corp.	1969	276	6	276	LK	2,898	60.4	Oct. 1, 1970	N	N	Abandoned former rig supply well.
* 35-101	W. A. Halamiecik, Jr., et al.	--	--	236	6	--	Qal	3,387	235.14	Feb. 10, 1959	C, W	S	Well E-21, Bull. 6214. 1/
* 501	James Sears	C. Pierce	--	865	16 10	300 865	Kce-Kct	2,784	366.40 374.25 370.90	Feb. 8, 1969 Jan. 19, 1978 Jan. 27, 1981	T, Ng	Irr	Perforated from 200 to 365 feet. Well H-5, Bull. 6214. 4/
* 503	do	Lowery Walker	1958	1,053	16	1,053	Kce-Kct	2,782	--	--	T, Ng	Irr	Producing intervals 344 to 1,053 feet. Well H-6, Bull. 6214.
601	E. D. Godby, Jr.	C. C. & H. Drilling Co.	1949	360	16 12	-- 360	Qal	2,732	182.60 231.97 229.93	Feb. 8, 1969 Jan. 17, 1979 Jan. 16, 1980	T, Ng	Irr	Well J-72, Bull. 6214. 4/
* 702	W. A. Holamecek	--	--	--	7	--	Qal	2,819	211.20	Jan. 7, 1960	C, W	S	Well H-25, Bull. 6214. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-35-801	Tom Bell	-- Stafford	1948	780	16	330	Qal	2,802	254.20	Feb. 10, 1959	T, E	Irr	Temp. 79°F. Well H-16, Bull. 6214. 1/
* 803	R. E. Duggan	Earl Fisher	--	550	16	550	Qal	2,764	384.70 366.85 325.66	Feb. 8, 1969 Jan. 17, 1979 Jan. 27, 1981	T, Ng	Irr	Well J-79, Bull. 6214. 4/
* 902	P. McKinney	J. W. Stover	1952	585	18	585	Qal	2,728	368.90 320.16 324.68	Feb. 8, 1969 Jan. 19, 1978 Jan. 16, 1980	T, Ng	Irr	Perforated from 200 to 585 feet. Well J-67, Bull. 6214. 4/
36-201	Biggs Est.	--	1952	700	16	--	Qal	2,654	158.26 142.07 138.06	Feb. 7, 1969 Jan. 16, 1979 Jan. 27, 1981	--	N	Well J-10, Bull. 6214. 4/
* 202	C. Fitzgerald	Earl Fisher	1952	650	16 14	300 650	Qal	2,625	132.17	Nov. 3, 1958	T, G	Irr	Yield 380 gal/min on Aug. 21, 1959. Slotted casing 100 to 650 feet. Well J-14, Bull. 6214. 1/
* 205	C. J. Anderson	C. & H. Drilling Co.	1953	643	16	643	Qal	2,651	149.2	do	T, Ng	Irr	Perforated casing 300 to 643 feet. Well F-44, Bull. 6214.
401	Jack Williams	Long Buchanan	1943	625	16 12	-- 625	Qal	2,683	240.70 200.77 132.25	Feb. 7, 1969 Jan. 17, 1979 Jan. 27, 1981	--	N	Former irrigation well. Deepened to 625 feet in 1949. Perforated from 475 to 625 feet. Well J-38, Bull. 6214. 4/
* 402	P. McKinney	-- Coleman	1956	685	16	685	Qal	2,663	249.74 244.10	Feb. 7, 1969 Jan. 22, 1975	T, Ng	Irr	Perforated from 300 to 685 feet. Well J-317, Bull. 6214. 1/
* 501	H. P. Bryan	--	--	400	16 12	200 400	Qal	2,659	177.17	Nov. 12, 1958	T, Ng	Irr	Discharge measured 785 gal/min on July 22, 1959. Well J-41, Bull. 6214. 1/
* 601	W. H. Boyd	T. Simmons	1945	210	8	210	Qal	2,580	+7.10	Apr. 26, 1947	N	N	Destroyed well. Slotted casing 141 to 210 feet. Yield 525 gal/min on May 1945. Well J-121, Bull. 6214. 1/
* 802	P. McKinney	Austin Jones	1947	500	16	500	Qal	2,644	203.4	Jan. 7, 1960	T, Ng	Irr	Well J-148, Bull. 6214. 1/
901	E. E. Crow	C. C. & H. Drilling Co.	1947	550	16	550	Qal	2,627	194.85 114.04 112.31	Feb. 7, 1969 Jan. 16, 1979 Jan. 15, 1980	T, Ng	Irr	Well J-195, Bull. 6214. 4/
* 902	do	do	--	360	16	360	Qal	2,627	25.9	Mar. 3, 1948	N	N	Well J-322, Bull. 6214. 1/
903	J. H. Newman	--	1948	520	16 12	320 520	Qal	2,631	220.06 150.18 150.95	Feb. 7, 1969 Jan. 16, 1979 Jan. 27, 1981	T, Ng	Irr	Well J-128, Bull. 6214. 4/
* 37-406	H. L. Teaney	Tom Simmons	1933	215	--	--	Qal	2,577	125.4	July 13, 1959	S, E	D	Well K-19, Bull. 6214. 1/
901	Louis Roberson	--	--	60	6	--	Qal	2,582	37.2	Apr. 10, 1959	C, W	S	Well K-23, Bull. 6214.
* 41-201	Mackie McAlpin	--	--	Spring	--	--	Kce-Kct	3,147	(+)	Aug. 6, 1970	Flows	S	"Torrez Spring". Estimated yield 2 to 3 gal/min. Temp. 72°F. Spring G-23, Bull. 6214.
202	do	--	--	Spring	--	--	LK	3,132	(+)	do	Flows	D, S	"Petican Spring". Estimated yield 35 gal/min in 1959 and 25 to 30 gal/min in 1970. Temp. 71°F. Spring G-24, Bull. 6214.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	WD-46-41-203	Mackie McAlpin	Gulf Oil Corp.	1959	56	11	--	Qal, LK	3,102	7.5 6.7	Sept. 16, 1959 Aug. 6, 1970	N	N	Measured depth 23 feet. Former rig supply well. Yield reported at 53 gal/min in 1959. Well G-25, Bull. 6214. 6/
*	301	do	--	old	58	6	--	Kce-Kct	3,017	36.3	Aug. 6, 1970	C, W	S	"Adams Mill". Temp. 70°F.
*	401	Doug Miller	--	1900's	50	12	--	Kce-Kct	3,188	34.5	Aug. 24, 1970	C, W	S	Reworked in 1960's. Temp. 72°F. Well N-8, Bull. 6214.
*	601	do	--	old	104	9	--	Kce-Kct	3,089	75.4	Aug. 12, 1970	C, W	S	Temp. 76°F. Well N-9, Bull. 6214.
*	701	do	--	1960's	50	6	--	Kce-Kct	3,216	31.2	Aug. 24, 1970	C, W	S	"New Mill". Temp. 71°F.
*	801	do	--	1938	350	6	--	Kce-Kct	3,162	230.65	Aug. 12, 1970	C, W	S	Oil test originally drilled to 4,370 feet and plugged back for water well to 350 feet. Temp. 82°F.
*	42-201	Cecil Lee	--	1964	100	6	60	Kce-Kct	2,933	--	--	C, W	S	Temp. 70°F.
*	203	Louise Bronner	--	1952	87	6	--	Kce-Kct	2,914	28.6	Oct. 1, 1970	C, W	S	Temp. 68°F. Well H-45, Bull. 6214.
*	301	Warren Wright, Jr. Est.	--	old	90	9	--	LK	2,867	54.28	do	C, W	S	Temp. 71°F. Well H-41, Bull. 6214. 1/
*	401	do	--	--	175	12	--	Kce-Kct	3,003	34.1	Aug. 26, 1970	C, W	S	Temp. 72°F. Well N-11, Bull. 6214.
*	402	Doug Miller	--	old	76	6	--	Kce-Kct	3,029	65.8	Aug. 12, 1970	C, W	S	Well N-12, Bull. 6214.
*	603	H. B. Foster, Jr.	--	old	102	9	--	Kce-Kct	2,894	28.94	Oct. 1, 1970	C, W	S	Temp. 79°F. Well H-46, Bull. 6214. 1/
*	801	T. & P. RR. Co.	--	1900's	145	6	--	Qal	2,990	43.4	Aug. 28, 1970	N	N	Abandoned industrial well. Temp. 72°F.
*	804	L. A. Richards	--	1969	160	4	90	Kce-Kct	2,972	41.0	Aug. 27, 1970	S, E	D, S, Irr	Open hole 90 to 160 feet. First water reported in gravel at 126 feet.
	810	Barnes-Ramshaud Wynn-Simmons	C. Pearce	1958	1,018	18 16	-- --	Qal, Kce-Kct	2,954	127.72 192.20	Feb. 7, 1969 Jan. 17, 1979	T, E	Irr	Well P-18, Bull. 6214. 4/
*	901	R. H. Williams	Earl Fisher	1956	954	16 12	350 954	Kce-Kct	2,921	93.30 96.60	Feb. 7, 1969 Jan. 17, 1979	T, E	Irr	Well P-29, Bull. 6214. 4/
*	904	Odessa Savings & Loan Co.	--	1950	200	7	--	Kce-Kct	2,946	115.95	Aug. 28, 1970	C, W	S	Temp. 76°F. Well P-17, Bull. 6214.
*	912	Mackie McAlpin	--	--	112	6	--	Qal	2,942	18.95	Aug. 25, 1970	C, W	S	Temp. 72°F. Well P-25, Bull. 6214.
	915	Raymond Williams	Ray Austin	1957	1,040	16	1,040	Qal, LK	2,917	98.6 178.0	July 10, 1959 Sept. 4, 1970	T, Ng	Irr	Yield measured at 460 gal/min. Aquifer test data. Well P-32, Bull. 6214.
*	43-201	Glenn Estes	--	--	900	16 12	700 900	Qal	2,780	316.59	Jan. 8, 1960	T, Ng	Irr	Yield 680 gal/min. Well H-36, Bull. 6214. 1/
*	205	John Hancock, Ins.	Lowery Walker	1957	1,205	16 12	600 1,130	Qal, LK	2,786	310.1	Jan. 7, 1960	T, Ng	Irr	Yield 975 gal/min. Casing perforated 300 to 600 feet. Temp. 79°F. Well H-39, Bull. 6214.
*	206	do	H. L. Stanton	1968	1,194	16	1,194	Qal	2,776	--	--	T, Ng	Irr	Perforated 379 to 659 and 839 to 1,194 feet. 3/
*	207	do	--	--	--	16	--	Qal	2,799	--	--	T, Ng	Irr	Owner's well No. 1.
*	303	Duke and Shaw	J. O. Jarman	1945	168	16 13	98 168	Qal	2,730	153.15	Feb. 9, 1951	N	N	Abandoned irrigation well. Yield 662 gal/min on Nov. 17, 1947. 1/
*	305	Worsham Farms	Austin Jones	1949	300	16	150	Qal	2,751	290.28	Dec. 2, 1958	T, Ng	Irr	Perforated casing 150 to 300 feet. Temp. 88°F. Well J-310, Bull. 6214. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-43-307	Worsham Farms	Earl Fisher	1957	1,284	16 12	611 1,284	Qal, K?	2,755	299.3	Dec. 2, 1958	T	Irr	Temp. 91°F. Well J-311, Bull. 6214.
501	Earl Martin	do	1958	1,200	6	1,200	Qal	2,758	255.40 344.99	Jan. 2, 1959 Jan. 27, 1981	T, Ng	Irr	Perforated 370 to 1,200 feet. Well P-12, Bull. 6214. 4/
* 602	B. H. Merjil	--	--	575	16 10	350 575	Qal	2,727	315.20	Jan. 11, 1960	T, Ng	Irr	Well Q-7, Bull. 6214. 1/
* 901	Macha & Sons	Lowery Walker	1957	800	16	800	Qal	2,746	240.70	Jan. 9, 1958	T, Ng	Irr	Casing perforated 250 to 800 feet. Well Q-134, Bull. 6214. 1/ 3/
902	Oscar Mayfield	Ted Lindeman	1948	450	16	450	Qal	2,713	64.26 80.65 143.88	Feb. 5, 1969 Jan. 18, 1978 Jan. 27, 1981	--	N	Unused irrigation well. Perforated from 150 to 450 feet. Well Q-83, Bull. 6214. 4/
* 906	Kesey Brothers	Lowery Walker	1955	1,140	16	1,140	Qal	2,765	259.7	Dec. 23, 1958	T, Ng	Irr	Well Q-136, Bull. 6214.
44-101	J. R. Titus	Earl Fisher	1951	514	18	514	Qal	2,686	239.40 197.13	Feb. 6, 1969 Jan. 27, 1981	--	N	Abandoned irrigation well. Perforated from 250 to 514 feet. Well J-260, Bull 6214. 4/
102	Farms, Inc.	--	--	330	16	330	Qal	2,694	86.05 277.30	Feb. 23, 1949 Jan. 3, 1960	N	N	Abandoned irrigation well. Well J-324, Bull. 6214. 5/
203	Paul Davidson	Ted Lindeman	1949	350	16	350	Qal	2,671	132.71 109.17 102.78	Feb. 6, 1969 Jan. 16, 1979 Jan. 15, 1980	N	N	Abandoned irrigation well. Water too salty. Well J-266, Bull. 6214. 4/
* 204	J. F. Hightower	Doe Coleman	1952	545	16	545	Qal	2,661	218.5	Feb. 11, 1959	T, Ng	Irr	Yield 1,240 gal/min on July 18, 1959. Slotted casing 300 to 545 feet. Well J-207, Bull. 6214.
* 404	Kesey Brothers	Earl Fisher	1957	1,269	16	1,269	Qal	2,705	269.0	Jan. 7, 1959	T, Ng 150	Irr	Perforated casing 485 to 1,269 feet. Temp. 74°F. Well Q-17, Bull. 6214.
501	Paul Davidson	--	1951	627	16	627	Qal	2,640	169.10 138.88 137.10	Feb. 5, 1969 Jan. 16, 1979 Jan. 27, 1981	--	N	Former irrigation well. Perforated from 250 to 627 feet. Well Q-39, Bull. 6214. Texas Dept. of Water Resources recorder well. 4/
* 502	Paul Durckel	Lowery Walker	1955	545	16	545	Qal	2,652	125.82 104.38 110.08	Feb. 6, 1969 Jan. 16, 1979 Jan. 15, 1980	T, Ng 140	Irr	Perforated from 350 to 545 feet. Reported yield 800 gal/min. Temp. 70°F. Well Q-46, Bull. 6214. 4/
602	J. B. Kirklin	--	1951	830	16 12	325 830	Qal	2,641	171.29 141.19 135.40	Feb. 6, 1969 Jan. 16, 1979 Jan. 27, 1981	T, Ng	Irr	Perforated from 545 to 830 feet. Well J-275, Bull. 6214. 4/
* 603	do	Earl Fisher	1951	540	16	540	Qal	2,649	181.4	Dec. 31, 1958	T, Ng	Irr	Yield 1,760 gal/min in Aug. 1955. Perforated 250 to 540 feet. Temp. 74°F. Well J-274, Bull. 6214.
* 701	Marvie Shortes	do	1958	1,055	16 12	600 1,050	Qal	2,691	227.99 305.24	Jan. 8, 1959 Jan. 9, 1974	T, Ng	Irr	Yield 785 gal/min on July 14, 1959. Perforated 420 to 1,050 feet. Temp. 78°F. Well Q-126, Bull. 6214. 1/
* 704	R. Butler	do	1956	1,406	16	1,406	Qal	2,694	344.53 251.89 241.48	Feb. 5, 1969 Jan. 16, 1979 Jan. 15, 1980	T, Ng	Irr	Measured yield 940 gal/min on July 14, 1959. Temp. 76°F. Well Q-88, Bull. 6214. 4/
* 705	Earl Fisher	do	1956	995	16	995	Qal	2,687	230.5	Jan. 7, 1959	T, Ng	Irr	Well Q-90, Bull. 6214. 3/
803	Gail Jones	J. H. Hardaway	--	150	16	16	Qal	2,664	33.64 42.19 50.58	Feb. 5, 1969 Jan. 16, 1979 Jan. 15, 1980	T, E	Irr	Well Q-112, Bull. 6214. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-44-804	Mrs. J. T. McKinney	Lowery Walker	1959	1,080	16	1,080	Qal	2,705	98.6 264.8	Feb. 23, 1949 Jan. 7, 1959	T, Ng	Irr	Yield 975 gal/min on July 15, 1959. Perforated 437 to 1,080 feet. Temp. 78°F. Well Q-161, Bull. 6214. 3/
* 901	Billie Prewitt	--	old	125	7	125	Qal	2,643	38.10	Jan. 15, 1960	C, W	S	Pumps 2 to 3 gal/min. Temp. 76°F. Well Q-104, Bull. 6214. 1/
* 45-401	do	Earl Fisher	1940	168	6	168	Qal	2,608	83.35	Mar. 3, 1959	C, W	S	Well R-1, Bull. 6214. 1/
* 601	R. M. Johnson	--	--	149	8	--	Qal	2,592	46.6	May 29, 1940	C, W	S	Temp. 79°F. Well R-2, Bull. 6214.
801	W. H. Holcomb	L. L. Pate	1952	276	16	16	Qal, Trdsr	2,616	85.32 80.80	Feb. 6, 1969 Jan. 15, 1979	T, E	Irr	Well R-19, Bull. 6214. 4/
* 802	do	--	1913	180	20	--	Qal, Trdsr	2,622	67.30	Jan. 23, 1960	N	N	Abandoned irrigation well. Well R-20, Bull. 6214. 1/
46-101	J. A. Worsham	--	--	--	16	--	Qal	2,575	40.00 36.79 46.09	Feb. 6, 1969 Jan. 15, 1979 Jan. 26, 1981	T, Ng	N	Former irrigation well. Well K-29, Bull. 6214. 4/
* 102	do	Tom Simmons	1937	125	6	--	Qal	2,658	91.86	Nov. 26, 1958	C, W	S	Temp. 79°F. Well K-33, Bull. 6214. 1/
201	City of Pecos	T. Simmons	1935	211	--	--	Qal, Trdsr?	2,638	125 122	Sept. 1935 Jan. 1959	T, E, 20	P	Owner's well No. 2. Discharge measured at 180 gal/min. Well L-59, Bull. 6214. 3/ 6/
202	do	D. M. Bassett	1942	191	12	--	Qal, Trdsr?	2,625	105 103	1942 Feb. 1959	T, E 30	P	Owner's well No. 4. Discharge measured at 442 gal/min on July 20, 1950. Well L-57, Bull. 6214. 3/ 6/
203	do	do	1942	170	12	--	Qal, Trdsr?	2,633	102 110	1942 Feb. 1959	T, E, 25	P	Owner's well No. 5. Discharge reported at 280 gal/min. Well K-31, Bull. 6214. 3/ 6/
204	do	Wilhite & McDonald	1950	200	16	--	Qal, Trdsr?	2,624	90 97	Feb. 1950 Feb. 1959	T, E	P	Owner's well No. 6. Discharge measured at 260 gal/min. Well L-56, Bull. 6214. 3/ 6/
205	do	--	1951	214	10	211	Qal, Trdsr?	2,629	110	do	T, E 40	P	Owner's well No. 7. Discharge measured at 350 gal/min in 1951. Well L-55, Bull. 6214. 3/ 6/
206	do	--	1952	198	12	198	Qal, Trdsr?	2,631	103	May 1952	T, E 225	P	Owner's well No. 8. Perforated 130 to 198 feet. Drawdown measured at 54 feet after pumping 7 hours at 200 gal/min. Well K-30, Bull. 6214. 6/
207	do	-- Trotter	1952	186	--	--	Qal	2,635	90.0	Mar. 1952	T, E	P	Owner's present well No. 9. Pumping rate reported at 60 gal/min. 3/
208	do	Coleman & Huckabee Drilling Co.	1953	174	--	--	Qal, Trdsr?	2,655	90.0 86.0	Jan. 1953 Feb. 1959	T, E	P	Discharge reported at 410 gal/min. Well L-52, Bull. 6214. Well reported to be 160 feet; however, measured depth 174 feet. 3/ 6/
209	do	do	1953	176	12	176	Qal, Trdsr?	2,654	76 102	Apr. 1953 Dec. 1958	T, E 20	P	Owner's well No. 14. Drawdown measured at 11 feet after pumping 2 hours at 310 gal/min. Well L-53, Bull. 6214. 3/ 6/
210	do	do	1954	175	12	175	Qal, Trdsr?	2,638	89	Jan. 1959	T, E 40	P	Owner's well No. 17. Depth measured at 175 feet. Perforated from 193 to 175 feet. Drawdown measured at 14 feet after pumping 19.5 hours with yield ranging from 633 to 490 gal/min. Well L-48, Bull. 6214. 3/ 6/
211	do	do	1954	160	12	160	Qal, Trdsr?	2,630	59 82	May 1954 Dec. 1958	T, E 40	P	Owner's well No. 20. Perforated 100 to 160 feet. Well L-50, Bull. 6214. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
WD-46-46-601	City of Pecos	-- Goforth	1957	252	12	252	Qal, Trdsr?	2,666	107 112	July 1958 Jan. 1959	T, E	P	Owner's well No. 10. Perforated 100 to 252 feet. Drawdown reported at 33 feet after pumping 100 hours at 690 gal/min. Replacement of old well 10 drilled in 1952. 3/ 6/
602	do	do	1961	208	14	--	Qal	2,662	100.0	Feb. 1961	T, E	P	Pumping test (24 hour) on Feb. 16, 1961. Maximum drawdown 45 feet. Pumped 1,306 gal/min. Records for and locations of 8 more wells previously used by the City of Pecos are given in Texas Water Commission Bulletin 6214.
* 47-601	Gulf Oil Corp.	Gulf Oil Corp.	1958	--	7	--	Qal	2,571	50.12 53.07	Feb. 18, 1959 Jan. 30, 1970	N	N	Abandoned water supply for oil test. Well S-15, Bull. 6214. 1/
* 49-101	Palafox Exploration Co.	--	1932	300	7	--	Kce-Kct	3,376	267.4	Oct. 22, 1970	C, W	S	Well N-21, Bull. 6214.
* 302	J. M. Gooch	--	old	280	6	--	Qal	3,173	111.6	Aug. 28, 1970	C, W	S	Well N-15, Bull. 6214.
* 401	H. A. Haier	--	--	338	6	--	Kce-Kct	3,415	214.1	Mar. 11, 1971	N	N	Former livestock well. Owner's "Bad Luck Mill".
* 501	TXL Oil Corp.	--	--	285	6	--	Qal	3,346	188.5	Sept. 16, 1959	C, W	S	Well N-20, Bull. 6214.
502	Duval Corp.	H. E. Stanton Drilling Co.	1969	445	30 16	10 441	Qal	3,341	--	--	T, E	Ind	Slotted from 214 to 441 feet. 3/
503	do	do	1968	1,020	--	--	Qal	3,352	--	--	T, E	Ind	Pumping rate 70 gal/min. 3/
504	do	do	1969	704	30 16	10 700	Qal	3,367	--	--	T, E	Ind	Slotted from 220 to 360, 450 to 550, and 640 to 690 feet. 3/
505	do	do	1971	1,200	12	775	Qal, Kce-Kct	3,299	--	--	T, E	Ind	Open hole from 775 to 1,200 feet. Pumped 460 gal/min. Pump set at 618 feet. 3/
506	do	M. F. Machen	1969	610	20 16	225 610	Qal	3,346	432	Jan. 1969	T, E	Ind	Standby well. Pumped 300 gal/min. 3/
507	do	H. E. Stanton Drilling Co.	1971	1,595	16 10	710 1,595	Qal, Kce-Kct	3,359	626	Aug. 1964	T, E	Ind	Pumping rate 400 gal/min. Open hole from 710 to 1,292 feet. 3/
508	do	do	1971	1,345	16 12	940 1,257	Kce-Kct	3,345	596	Aug. 1979	T, E	Ind	Open hole from 1,257 to 1,345 feet. Pumping rate 550 gal/min. 3/
509	do	do	1972	1,520	13 6	1,260 1,520	Kce-Kct	3,349	415	do	T, E	Ind	Pumping rate 800 gal/min. 3/
510	do	do	1969	--	16	360	Qal	3,365	--	--	T, E	Ind	Pumping rate 420 gal/min. 3/
* 602	W. D. Johnson Est.	--	old	138	6	--	Qal	3,244	119.8	Aug. 25, 1970	N	N	Abandoned livestock well. Temp. 72°F. Well N-30, Bull. 6214.
* 603	Cederville Farms, Inc.	--	1962	680	14	--	Kce-Kct	3,218	--	--	T, Ng	Irr	Reported yield 1,500 gal/min. Temp. 82°F.
605	Duval Corp.	H. E. Stanton Drilling Co.	1971	1,198	16	635	Kce-Kct	3,300	411	Aug. 1979	T, E	Ind	Open hole 635 to 1,198 feet. Pumping rate 760 gal/min. 3/
606	do	do	1972	1,581	16 12	740 1,325	Kce-Kct	3,292	372	do	T, E	Ind	Pumping rate 550 gal/min. 3/
701	do	do	1974	1,090	24 16	800 1,090	Kce-Kct	3,610	393	do	T, E	Ind	Pumping rate 710 gal/min.
903	do	do	1972	640	16	515	Kce-Kct	3,312	--	--	T, E	Ind	Open hole 515 to 640 feet. Pumping rate 540 gal/min. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-50-201	Travis Lattner, Jr.	Earl Fisher	1962	1,305	16	1,305	Kce-Kct	2,981	--	--	T, E	Irr	Reported yield 900 gal/min. Slotted casing 400 to 600 feet and 900 to 1,305 feet. Temp. 88°F.
* 401	Cederville Farms, Inc.	--	1962	--	14	--	Kce-Kct	3,215	--	--	T, Ng	Irr	Temp. 81°F.
402	Republic National Life Ins. Co.	--	1962	1,141	14	955	Kce-Kct	3,215	32.00 63.97 63.17	Sept. 18, 1970 Dec. 11, 1979 Dec. 16, 1980	--	N	Abandoned irrigation well. 4/
* 705	Armstrong Ranch Co.	Earl Fisher	1962	550	10	--	Kce-Kct	3,203	192.0 (+)	July 21, 1970 Nov. 12, 1972	N Flows	N	Unused irrigation well. Well flowed 1 gal/min on Nov. 12, 1972. Radioactivity log.
* 51-202	J. B. Hopkins	do	1958	801	16	745	Qal	2,860	330.00	Jan. 15, 1959	T, Ng	Irr	Perforated from 240 feet to 745 feet. Well P-59, Bull. 6214. 1/
* 212	C. J. Poulter	--	1953	505	16	505	Qal, LK	2,822	--	--	T, Ng	Irr	Temp. 82°F. Well P-49, Bull. 6214.
* 301	Swain Thomas	Earl Fisher	1950	800	16 12	500 800	Qal	2,785	264.60	Jan. 12, 1959	T, Ng	Irr	Yield 650 gal/min on July 15, 1957. Well Q-193, Bull. 6214. 1/
* 401	Robert F. Goddard	Stafford & Fisher	--	600	6	--	Kce-Kct	2,950	300.12	Sept. 2, 1970	C, W	S	Temp. 79°F. Well P-82, Bull. 6214. 1/
* 507	Loy Kilgore	H. E. Stanton	1968	930	16	--	Qal, LK ?	2,885	--	--	T, Ng	Irr	3/
601	Swain Thomas	Lowery Walker	1957	1,400	16	1,400	Qal, Kce-Kct	2,790	336.37 322.66 328.53	Feb. 5, 1969 Jan. 16, 1979 Jan. 27, 1981	N	N	Abandoned irrigation well. Casing perforated 250 to 1,400 feet. Well Q-256, Bull. 6214. 4/
903	Ben Powell, Jr.	--	1952	--	16	--	Qal	2,844	292.10 298.06 323.44	Feb. 4, 1969 Jan. 16, 1979 Jan. 27, 1981	T, Ng	Irr	Reported yield 1,000 gal/min in 1959. Well U-3, Bull. 6214. 4/
* 905	Sage & Hill	Lowery Walker	--	700	16	700	Qal	2,819	166.1	Jan. 16, 1960	T, E	Irr	Temp. 75°F. Well V-52, Bull. 6214.
52-101	J. H. Reed	--	--	400	16	400	Qal	2,719	132.34 137.38 148.62	Feb. 5, 1969 Jan. 18, 1978 Jan. 27, 1981	--	N	Unused irrigation well. Well Q-184, Bull. 6214. 4/
102	W. W. Clem	--	--	150	--	--	Qal	2,711	21.19 42.17 46.90	Feb. 5, 1969 Jan. 16, 1979 Jan. 15, 1980	--	N	Abandoned irrigation well. Well Q-181, Bull. 6214. 4/
* 103	do	--	--	1,100	16	1,100	Qal	2,714	196.30	Jan. 13, 1960	T, Ng	Irr	Well Q-183, Bull. 6214. 1/
104	J. D. Passmore	Ted Lindeman	--	--	16 12 10	370 460 --	Qal	2,742	184.95 185.93 180.03	Dec. 14, 1971 Jan. 16, 1979 Jan. 15, 1980	T, Ng	Irr	Perforated from 100 feet to bottom of hole. Well Q-205, Bull. 6214. 4/
* 105	Jewel B. Logan	--	1950	1,000	16 12	400 1,000	Qal	2,738	183.80	Jan. 14, 1960	T, Ng	Irr	Perforated from 250 feet to bottom. Well Q-203, Bull. 6214. 1/
* 201	J. W. Mayo	--	--	--	--	--	Qal	2,688	86.98 89.92	Feb. 5, 1969 Jan. 16, 1979	T, E	N	Unused irrigation well. Well Q-213, Bull. 6214. 4/
203	Loring Box	--	--	152	16	--	Qal	2,673	16.18 30.00	Jan. 27, 1947 Jan. 9, 1962	T, Ng	N	Abandoned irrigation well. Reported hydrogen sulfide and "salty" water. Well Q-164, Bull. 6214. 1/ 6/
* 204	Marvin Frazier	Tom Simmons	1940	137	16	137	Qal	2,678	30.85 43.50 54.41	Feb. 5, 1969 Jan. 16, 1979 Jan. 15, 1980	T, Ng	Irr	Temp. 70°F. Well Q-160, Bull. 6214. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-52-402	Scott Armstrong	E. Harrell	1948	194	16	194	Qal	2,725	103.2	Jan. 13, 1959	T, Ng	Irr	Well Q-327, Bull 6214. 1/
404	J. F. Crews	Lowery Walker	1953	643	16	643	Qal	2,723	125.47 100.64 109.80	Feb. 5, 1969 Jan. 16, 1979 Jan. 15, 1980	N	N	Well Q-280, Bull. 6214. Abandoned irrigation well. 4/
* 406	W. W. Hill	do	1957	700	16	700	Qal	2,724	191.1	Dec. 12, 1958	T, Ng	Irr	Reported yield 1,740 gal/min in 1957. Well Q-231, Bull. 6214.
* 501	L. M. Prater	--	--	580	16	580	Qal	2,715	79.06 48.58 49.13	Feb. 5, 1969 Jan. 15, 1979 Jan. 27, 1981	T, Ng	Irr	Perforated from 100 to 580 feet. Temp. 69°F. Pumped 1,900 gal/min on July 17, 1959. Well Q-286, Bull. 6214. 4/
* 504	Graham & Gallemore	do	1957	956	16	486	Qal, K	2,714	103.6	Jan. 14, 1959	T, Ng	Irr	Temp. 75°F. Well Q-289, Bull. 6214.
505	Trans-Pecos Materials	H. E. Stanton Drilling Co.	1978	523	16	523	Qal	--	--	--	T, E, 250	Ind	Screened 239 to 523 feet.
* 601	A. R. Eppenauer	J. H. Hardaway	1946	319	14	319	Qal	2,717	107.1	Jan. 15, 1960	N	N	Well Q-297, Bull. 6214. 1/
703	Graham & Gallemore	--	1951	595	18	595	Qal	2,776	124.85 163.67 150.35	Feb. 4, 1969 Jan. 16, 1979 Jan. 15, 1980	T, Ng	N	Unused irrigation well. Perforated from 130 to 595 feet. Pumping 900 gal/min in 1957. Well Q-333, Bull. 6214. 4/
* 705	Oscar Mayfield	Earl Fisher	1951	600	18	600	Qal	2,778	--	--	T, Ng, 210	Irr	Producing interval 240 to 600 feet. Well V-10, Bull. 6214.
* 707	Sage & Hill	Lowery Walker	--	700	16	700	Qal	2,779	--	--	T, E	Irr	Yield 400 gal/min. Temp. 71°F. Well Q-335, Bull. 6214. 1/
* 708	Jake Broyles	--	1958	840	16	840	Qal	2,761	142.6	Jan. 16, 1960	T	Irr	Temp. 78°F. Well Q-330, Bull. 6214.
801	Trans-Pecos Materials	H. E. Stanton Drilling Co.	1971	1,115	16	1,115	Kce-Kct	--	--	--	T, E, 200	Ind	Selectively screened from 379 to 834 feet. 3/
802	do	do	1978	523	16	523	Qal	--	--	--	T, E	Ind	
* 53-601	Production Credit Association	Winterrowd Bros.	1958	398	16	398	Qal	2,738	105.7	Jan. 28, 1959	T, E	Irr	Temp. 74°F. Well R-38, Bull. 6214. 1/
54-301	Automotive Proving Grounds	Border Construction	1970	400	--	--	Qal	2,696	--	--	T, E, 30	Ind	Pumped 200 gal/min. 6/
302	do	do	1970	--	--	--	Qal	2,692	--	--	S, E, 15	Ind	Pumped 60 gal/min.
701	R. J. Yarbrough	Earl Fisher	1958	467	16	467	Qal, Trdsr	2,794	151.23 149.05 148.75	Feb. 5, 1969 Jan. 15, 1979 Jan. 26, 1981	T, Ng	Irr	Reported yield 1,200 gal/min. Well W-18, Bull. 6214. 4/
55-201	T. Thompson	--	1951	180	16	180	Qal, Trdsr	2,650	121.90 121.58 123.46	Feb. 6, 1969 Jan. 15, 1979 Jan. 26, 1981	S	N	Unused irrigation well. Well S-42, Bull. 6214. 4/
* 57-103	Nelson Lethco	H. E. Stanton Drilling Co.	1969	667	13	667	Kce-Kct	3,742	322.8	Mar. 15, 1970	T, G	Ind	Yield 400 gal/min on Mar. 19, 1970. Temp. 74°F. Slotted from 318 to 474, 509 to 551, and 592 to 667 feet. 3/
* 104	do	--	--	--	6	--	Kce-Kct	3,568	229.3	Aug. 4, 1959	C, W	S	Well T-12, Bull. 6214. Pump set at approximately 300 feet.
* 401	do	--	--	--	--	--	Kce-Kct	3,676	--	--	C, W	S	Do.
* 503	Border Road Construction	H. E. Stanton Drilling Co.	1972	900	--	--	Kce-Kct	3,587	177.4	May 5, 1973	C, W	S, Ind	Well converted to livestock use on June 17, 1975. Temp. 78°F. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-58-301	W. D. Johnson Est.	--	--	--	8	--	Qal	3,105	85.2	July 28, 1970	C, W	S	"Florinza" well. Well U-21, Bull. 6214.
403	do	Tom Simmons	1927	303	6	--	Kce-Kct	3,315	73.26 88.84 86.23	May 16, 1969 Jan. 11, 1979 Jan. 15, 1981	--	N	Former livestock well. Well T-18, Bull. 6214. Reported depth of 400 feet with measured depth of 303 feet. 4/
* 601	do	Pete McHalffey	1961	218	7 5	115 218	Qal, LK?	3,142	170.3	May 16, 1969	C, W	S	Original depth 165 feet, deepened to 218 feet. Old well (U-46, Bull. 6214) at this same location now destroyed.
* 803	Border Road Construction	H. E. Stanton Drilling Co.	1972	750	13	--	Kce-Kct	3,364	123.9 199.2 132.5	Jan. 20, 1959 Oct. 15, 1969 May 4, 1973	C, W	Ind	Reported yield 800 gal/min. Temp. 80°F. 3/
* 59-101	J. T. Moore	C & H Drilling Co.	1952	610	16 13	400 610	Qal, K	3,034	201.1	May 27, 1969	N	N	Former irrigation well. Well caved to 230 feet, June 18, 1969. Casing slotted 173 to 400 feet. Temp. 80°F. Well U-22, Bull. 6214. 1/
105	do	Earl Fisher	1952	600	20	600	Qal	3,002	356.45 356.08 359.95	do Jan. 16, 1979 Jan. 15, 1980	N	N	Abandoned irrigation well. Perforated from 250 to 600 feet; radioactivity log. Well U-24, Bull. 6214. 4/
* 108	Mabel L. McFadden, et al.	-- Jobe	1958	589	16	589	Qal	2,997	298.1	Jan. 20, 1959	T, Ng	Irr	Casing slotted 350 to 589 feet. Well U-19, Bull. 6214.
201	Clark & Roberts	--	1953	590	20	590	Qal	2,933	402.51 438.14 382.60	Jan. 29, 1970 Jan. 16, 1979 Jan. 26, 1981	T, Ng	N	Unused irrigation well. Perforated from 225 to 590 feet. Yield 1,140 gal/min in 1959. Well U-25, Bull. 6214. 4/
* 204	do	Earl Fisher	1952	530	16	530	Qal	2,852	280.3	Jan. 21, 1959	T, Ng	Irr	Slotted casing 225 to 530 feet. Well U-10, Bull. 6214. Temp. 73°F.
* 205	do	do	1953	598	16	598	Qal	2,933	254.6	do	T, Ng	Irr	Slotted casing 225 to 598 feet. Well U-16, Bull. 6214.
* 301	J. F. Crews	do	1954	618	16	618	Qal	2,891	225.26 339.09	Jan. 19, 1960 Jan. 10, 1974	T, E	Irr	Well V-67, Bull. 6214. 1/
* 401	Clark & Roberts	--	1953	620	18	620	Qal, LK	3,054	314.72 309.75 349.49	Feb. 4, 1969 Jan. 16, 1979 Jan. 26, 1981	T, E	Irr	Perforated from 200 to 620 feet. Well V-45, Bull. 6214. 4/
* 407	Dorthy M. Harding	Lowery Walker	1954	598	16	598	Qal, LK	3,019	303.5	Jan. 19, 1960	T, Ng	Irr	Slotted casing 336 to 598 feet. Well U-41, Bull. 6214. 3/
* 506	Mrs. W. E. Moore & Son	do	1954	635	20 16	315 635	Qal	2,992	416.7	Jan. 29, 1970	T, Ng	Irr	Slotted casing 290 to 635 feet. Well U-39, Bull. 6214. 3/
* 509	Emma A. Taylor Est.	-- Williams	1954	690	16	690	Qal	3,021	--	--	T, Ng	Irr	Reported yield 1,250 gal/min. Well U-51, Bull. 6214.
* 701	L. A. Weinacht	--	old	47	10	--	Qal	3,159	32.1 19.0	Sept. 7, 1940 May 26, 1969	C, W	S	
* 805	Rudoff Hoefs	--	1960	962	14	--	Qal, K	3,086	321.0	Oct. 21, 1969	N	N	Unused irrigation well. Reported yield 700 gal/min. Temp. 70°F.
* 906	L. A. Weinacht	--	1932	333	5	--	Qal	2,966	--	--	C, W	D, S	
909	Saragosa School District	--	1952	300	7	--	Qal	2,989	183.6 239.4 249.6	Jan. 1, 1954 Jan. 24, 1957 Aug. 18, 1969	S, E	P	This well replaced well WD-46-60-901.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-46-60-101	J. B. Kirklin	Earl Fisher	1951	560	18	560	Qal	2,819	202.72	Jan. 19, 1960	T, E	Irr	Pump set at 400 feet. Well V-32, Bull. 6214. 1/
102	W. A. Jobe	--	1953	600	16	600	Qal, Kce-Kct	2,860	303.0	Sept. 10, 1959	T, Ng	Irr	Yield measured at 1,470 gal/min. Aquifer test data. Well V-77, Bull. 6214. 1/
201	F. F. Bradley	Rich & Pate	1951	720	16 12	300 720	Qal, LK	2,828	125.30 161.65 250.91	Feb. 4, 1969 Jan. 16, 1979 Jan. 27, 1981	T, Ng	N	Unused irrigation well. Perforated from 100 to 720 feet. Well V-89, Bull. 6214. 4/
* 202	do	Pate & Fisher	1957	1,625	16 12	503 1,585	Por	2,818	248.0	May 19, 1959	T, Ng	Irr	Casing slotted 503 to 658 and 1,330 to 1,585 feet. Electric log. Well V-90, Bull. 6214. 3/
* 203	J. J. Bush Est.	--	1956	444	8	325	Kce-Kct	2,803	132.7	Apr. 14, 1959	C, W	S	Well V-96, Bull. 6214. 1/ 3/
* 401	Texas & Pacific R. R. Co.	J. Portervant	--	200	14	--	Qal	2,916	130.57	Jan. 24, 1957	N	N	Possibly destroyed irrigation well. Well V-170, Bull. 6214. 1/
701	Ross & Collins	C & H Drilling Co. & Calvert & McIntyre	1952	700	20 16 12	-- -- 700	Qal, Kce-Kct	2,880	182.00 237.25	Jan. 19, 1961 Jan. 15, 1979	N	N	Unused irrigation well. Slotted from 400 to 700 feet. Well V-131, Bull. 6214. 4/
* 702	Rudolph Hoefs	Calvert & McIntyre	1950	450	16 12	300 450	Qal	2,900	102.1	Jan. 22, 1959	T, E	Irr	Estimated yield 1,000 gal/min. Well V-128, Bull. 6214.
* 801	L. A. Weinacht Est.	--	1940	119	8	--	Qal?	2,913	147.98	Jan. 21, 1959	C, W	S	Well V-132, Bull. 6214. 1/
* 902	R. W. Winterrowd, et al.	Russ Williams	1954	1,450	16	1,450	Por	2,949	278.97 303.58 282.94	Feb. 3, 1969 Jan. 15, 1979 Jan. 26, 1981	--	N	Abandoned irrigation well. Yield measured 750 gal/min in July 1959. Well V-147, Bull. 6214. 3/ 4/
* 903	Winterrowd Bros.	do	1954	1,030	12	--	Por	2,947	343.4	Jan. 20, 1960	N	N	Abandoned irrigation well. Radioactivity and electric logs. Temp. 83.5°F. Well V-146, Bull. 6214. 3/
* 61-102	Alan Hoefs	-- Mullican	1953	480	16	--	Qal	2,829	148.8	do	T, Ng	Irr	Well W-91, Bull. 6214. 1/ 3/
* 201	-- Ellison	--	--	350	16	350	Qal	2,819	202.51 167.75 164.24	Feb. 4, 1969 Jan. 15, 1979 Jan. 26, 1981	T, Ng, 425	Irr	Reported yield 800 gal/min. Temp. 86°F. Well W-80, Bull. 6214. 4/
* 202	H. T. Collier, Jr.	--	--	128	8	--	Qal	2,845	121.60	Mar. 10, 1959	C, W	S	Well W-97, Bull. 6214. 1/
* 402	Balmorhea Ranches, Inc.	C. & H. Drilling Co.	1956	410	7	410	Kce-Kct	2,920	184.4	Mar. 26, 1959	C, W	S	Originally drilled to 181 feet. Deepened to 410 feet in 1956. Temp. 77°F. Well W-114, Bull. 6214. 3/
* 62-101	H. F. Woods	--	--	87	6	--	Qal	2,793	71.7	Mar. 1, 1941	C, W	S	Temp. 71°F.
* 47-48-701	Palafox Exploration Co.	--	--	280	7	--	Kce-Kct	3,407	59.8 62.4	Sept. 11, 1959 Aug. 6, 1970	C, W	S	Well N-1, Bull. 6214. Pump set at 140 feet.
* 801	do	--	--	170	6	--	Kce-Kct	3,375	49.7 59.8	Sept. 11, 1959 Aug. 5, 1970	C, W	S	Well N-2, Bull. 6214. Pump set at 220 feet.
* 901	do	--	--	--	9	--	Kce-Kct	--	194.1	Aug. 7, 1970	C, W	S	Well N-3, Bull. 6214.
* 56-301	do	--	--	--	--	--	Kce-Kct	3,429	133.1	do	C, W	S	Well N-23, Bull. 6214.
* 503	TXL Land Co.	David Fasken	1968	482	7	--	Kce-Kct	3,592	209.3	Oct. 22, 1970	N	N	Formerly supplied oil rig.
* 603	Palafox Exploration Co.	--	old	--	--	--	Kce-Kct	3,522	201.7	Aug. 6, 1970	C, W	S	Well N-22, Bull. 6214.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-47-56-801	Banky Stocks	--	1935	--	7	--	Kce-Kct	3,760	333.4	Mar. 13, 1970	C, W	S	Well T-1, Bull. 6214.
* 802	do	--	1944	--	7	--	Kce-Kct	3,725	327.7	do	C, W	S	Well T-7, Bull. 6214.
* 901	do	M. W. Tatum	old	381	5	381	Kce-Kct	3,560	274.1	do	C, W	S	Well T-8, Bull. 6214. 3/
* 902	do	Thompson Drilling Co.	1965	1,285	11 10	5 575	Kce-Kct	3,619	332.9	Oct. 22, 1970	N	N	Unused livestock well. Drilled to 3,540 feet. Plugged back to 1,285 feet. Open hole 575 to 1,285 feet.
904	Duval Corp.	H. E. Stanton	1973	1,060	24 16	725 1,060	LK	--	388	Aug. 1979	T, E	Ind	Screened from 717 to 1,050 feet. Yield reported at 640 gal/min. 3/
905	do	do	1974	925	24 16	606 925	LK	--	336	Feb. 10, 1974	T, E	Ind	Screened from 600 to 925 feet. Yield reported at 680 gal/min. 3/
* 64-103	Banky Stocks	--	--	Spring	--	--	Tv	3,942	(+)	Mar. 13, 1970	Flows	D, S	"San Martine Spring".
* 201	Nelson Lethco	Ligon Brothers	1938	530	--	--	LK	3,978	--	--	C, W	S	Well T-5, Bull. 6214.
* 202	Banky Stocks	M. W. Tatum	old	547	6	--	LK	3,872	403.5	Mar. 13, 1970	C, W	S	"Canyon Mill" well. Well T-4, Bull. 6214.
* 301	do	--	1935	150	10	10	Qal	3,761	105.3 147.3	June 29, 1959 Mar. 13, 1970	C, W	S	"Bankhead Mill" well. Well T-9, Bull. 6214.
* 52-02-101	W. D. Johnson Est.	--	--	Spring	--	--	Qal	3,400	(+)	May 16, 1969	Flows	S	"Dobie Spring". Flows as seeps now. Spring T-19, Bull. 6214.
* 102	do	--	old	15	--	--	Qal	3,405	5.0	do	C, W	S	"Dobie Spring Mill". Well T-20, Bull. 6214.
* 302	Gould Estate	-- Norfleet	old	85	10	85	Tv	3,204	33.5 32.1	Sept. 11, 1940 June 6, 1969	C, W	S, D	Well U-58, Bull. 6214. 3/
* 307	Robert M. Gordon	B. A. Shupe	1940	54	--	--	Qal, K	3,234	9.6 13.9	Sept. 11, 1940 Sept. 22, 1959	C, W	S, Irr	Well X-10, Bull. 6214. 3/
* 402	S. S. Skidmore	Billy Bruce	1967	150	5	--	Qal	3,457	117	Sept. 1967	P, G	D	Reported yield 3 gal/min.
* 507	Joe Kingston	Buford and Sims	1963	190+	7	--	Kg	3,401	123.6	Mar. 16, 1970	C, W	S	Water has strong sulphur odor.
* 601	Carl Weinacht Est.	--	1950's	500	6	200?	LK	3,380	84.5	do	C, W	D, S	Temp. 76°F. Well X-20, Bull. 6214.
* 610	Reeves County Water Improvement District No. 1	--	--	Spring	--	--	LK	3,306	(+)	July 10, 1969	Flows	Irr	"Griffin Springs". Spring X-22, Bull. 6214.
* 03-101	do	--	--	150	--	--	Tv	3,208	--	--	S, E	P	Owner's west well.
102	do	--	--	75	7	--	Tv	3,187	48.0	June 12, 1969	S, E, 3/4	P	Owner's south well. 6/
* 103	E. W. Backus	Jack Smith	1948	110	12	92	Qal	3,164	12.0	Jan. 24, 1959	T, E	Irr	Reported yield 700 gal/min. Casing slotted 0-92 feet. Open hole 92 to 110 feet. Temp. 68°F. Well U-60, Bull. 6214.
* 204	Rudolf Hoefs	Calvert & McIntyre	1956	900	16	--	Qal, K	3,056	248.9	Jan. 22, 1959	T, E	Irr	Yield 900 gal/min. Temp. 72°F. Well U-70, Bull. 6214.
* 301	Balmorhea Ranches, Inc.	C. & H. Drilling Co.	1949	547	20 16 12	100 250 547	Qal	2,993	283.58 247.80 317.10	Feb. 4, 1969 Jan. 11, 1979 Jan. 15, 1981	--	N	Former irrigation well. Deepened to 547 feet in 1955. Slotted from 145 to 547 feet. Temp. 73°F. Well Y-2, Bull. 6214. 3/ 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	WD-52-03-302	Jim Whitson	Calvert & McIntyre	1952	400	16	400	Qal	3,024	315.35 345.02 333.37	Jan. 30, 1970 Jan. 18, 1978 Jan. 10, 1980	N	N	Unused irrigation well. Temp. 74°F. Discharge measured 665 gal/min in July 1959. Temp. 74°F. Well Y-10, Bull. 6214. 4/
*	305	H. H. Toone	do	1951	550	16	350	Qal, LK	3,030	232.1	Jan. 28, 1960	T, Ng	Irr	Deepened from 350 to 550 in 1952. Well X-14, Bull. 6214.
*	04-103	Balmorhea Ranches, Inc.	C. & H. Drilling Co.	1950	699	12	699	Qal, LK	2,971	231.4	Nov. 14, 1958	T, E, 150	Irr	Deepened from 306 to 699 feet in 1955. Well Y-13, Bull. 6214. 3/
*	105	Desanka Radancevich	Hayvanor Drilling Co.	1952	350	16	350	Qal	2,945	185.7	Jan. 1, 1960	T, Ng	Irr	Casing slotted 200 to 350 feet. Temp. 73°F. Well Y-17, Bull. 6214. 3/
*	203	Bill McGee	Calvert & McIntyre	1953	498	16	497	LK	2,950	288.7	Nov. 5, 1958	T, Ng	Irr	Temp. 75°F. Well Y-24, Bull. 6214.
*	205	Mrs. Oscar Graef	Royce Hemmeline	1954	536	16	428	Kce-Kct	2,964±	307.7	Nov. 3, 1958	T, Ng	Irr	Perforated 328 to 384 feet. Pumped 670 gal/min. Temp. 75°F. Well Y-26, Bull. 6214.
*	301	Rudolf Hoefs	L. W. Stratton	--	615	16 12	440 540	Kce-Kct	2,979	289.8 361.1	Jan. 21, 1960 July 27, 1970	N	N	Unused irrigation well. Slotted from 440 to 540 feet. Open hole 540 to 615 feet. Well Y-28, Bull. 6214. 3/
*	303	do	--	1960's	--	8	--	LK	--	--	--	C, W	S	
*	401	R. L. Baker	Calvert & McIntyre	1954	400	16	--	Qal	2,992	187.2 303.4	Nov. 5, 1958 July 9, 1969	C, W	S	Well Y-44, Bull. 6214.
	402	J. W. Bush Est.	-- Calvert	1953	840+	16 12	350 --	Qal, LK	3,003	204.4 214.6	Nov. 5, 1958 Jan. 21, 1960	N	N	Former irrigation well. Well Y-45, Bull. 6214. Depth greater than 840 feet. Well deepened in 1959.
*	501	Agricultural Livestock Finance Corp.	--	--	140+	--	--	Qal	3,065	88.20	Sept. 14, 1959	C, W	S	Temp. 74°F. Well Y-41, Bull. 6214. 1/
*	502	G. E. Tenney	Pan American Petro. Corp.	1967	11,978	--	--	Qal	3,045	139.1	July 15, 1970	C, W	S	Oil test well converted to water well. Radioactivity log. Base Qal-top LK limestone at 342 feet from log.
*	503	John A. Moore	C. C. Calvert	1955	930	16 14	512 930	LK	2,980	329.6	Nov. 4, 1958	T, Ng	Irr	Temp. 76°F. Well Y-20, Bull. 6214. Pump set at 500 feet.
*	902	U-Ranch	--	1946	192	6	--	Kce-Kct	3,197	188.6	July 16, 1970	C, W	S	Temp. 75°F. Well Y-50, Bull. 6214.
*	903	Agricultural Livestock Finance Corp.	--	--	--	5	--	Qal	3,160	135.0 135.1	Mar. 27, 1959 July 30, 1970	C, W	S	Well Y-49, Bull. 6214.
*	05-201	do	--	--	--	6	--	LK	3,125	--	--	C, W	N	Unused livestock well. Well Y-53, Bull. 6214.
*	401	Mrs. Oscar Graef	--	--	445	--	--	Kce-Kct	3,109	--	--	C, W	S	Deepened from 400 to 445 feet in early 1960's. Driller reported sand from 400 to 445 feet. Temp. 83°F. Well Y-30, Bull. 6214.
*	402	do	--	--	--	8	--	Kce-Kct	3,150	264.2 285.8	Mar. 27, 1959 July 29, 1970	S, E	S	Well Y-38, Bull. 6214. 6/
*	502	do	--	--	--	6	--	LK	3,192	--	--	C, W	S	"Balcon Mill".
*	701	do	--	--	--	6	--	Kce-Kct	3,171	--	--	C, W	S	Temp. 70°F. Well Y-40, Bull. 6214.
*	11-101	Abe McGinty, Jr.	--	--	Spring	--	--	Tv	--	(+)	May 14, 1969	Flows	D, S	"Cold Spring".
*	12-301	Agricultural-Livestock Finance Corp.	--	--	314	5	--	Kce-Kct	3,300	241.98	July 16, 1970	S, E	D, S	Temp. 80°F. Well Y-51, Bull. 6214.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

REEVES COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* WD-52-12-302	Agricultural Livestock Finance Corp.	--	--	--	6	--	K?	--	--	--	C, W	N	Unused livestock well. Well Y-53, Bull. 6214.
* 502	do	--	--	--	6	--	Tv	--	--	--	C, W	S	Well Y-55, Bull. 6214.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

TERRELL COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* XX-53-30-501	Abilene Christian Univ.	--	--	400	6	--	Kce-Kct	2,774	--	--	S, E	S	Temp. 74°F.
* 32-601	N. M. Mitchell	--	--	--	8	--	Kce-Kct	2,402	210.3	May 17, 1973	C, W	S	
39-101	J. M. Corder	Hugh Gray	1952	600	8	--	Kce-Kct	2,850±	472.1	Nov. 15, 1960	C, W	D, S	Reported yield 0-5 gal/min. 6/
* 301	N. M. Mitchell	--	--	600+	--	--	Kce-Kct	2,830	>500	Nov. 16, 1960	S, E	S	Do.
* 44-801	Mrs. Bondurant	--	1944	257	5	257	Kce-Kct	3,350±	235.5	Nov. 1, 1960	C, W	S	Yield estimated at 5 gal/min.
* 48-801	McMullen Est.	Hugh Gray	--	500	8	--	Kce-Kct	2,420	360.7	Nov. 17, 1960	S, E	S	Yield reported at 5 gal/min with a drawdown of 0.5 foot.
53-601	Terrell County Water Control & Improvement District No. 1	Clyde Word	1967	500	10 7	45 495	Kce-Kct	2,945	--	--	S, E, 3	P	Owner's well No. 1. Pump installed June 1974. Public supply for the town of Sanderson. Perforated 395 to 495 feet. 3/
602	do	--	1958	500	--	--	Kce-Kct	3,149	--	--	S, E, 7½	P	Owner's well No. 2. Pump installed May 1974. Public supply for Sanderson.
603	do	--	1958	500	--	--	Kce-Kct	2,937	--	--	S, E, 7½	P	Owner's well No. 3. Pump installed Sept. 1975. Public supply for Sanderson.
604	do	Roy H. Kent, Jr. Big "3" Machine & Supply	1975	501	9	501	Kce-Kct	2,955	375	Sept. 1, 1975	S, E, 5	P	Owner's well No. 4. Slotted from 405 to 496 feet. Public supply for Sanderson. 3/
605	do	do	1976	500	9	500	Kce-Kct	2,860	360	Aug. 23, 1976	S, E, 7½	P	Owner's well No. 5. Perforated from 400 to 500 feet. 3/
* 801	do	--	--	840	7	--	Kce-Kct	--	357.1	May 15, 1973	S, E	P	Pump setting at 480 feet. Temp. 73°F.
803	do	--	--	540	--	--	Kce-Kct	2,850	--	--	S, E, 5	P	Owner's well No. 12. Pump installed 1978. Pumped 25 gal/min.
804	do	Magill Well Service	1977	550	9	498	Kce-Kct	2,850	--	--	S, E	P	Owner's well No. 13. Pump installed 1978. Pumped 20 gal/min. Pump set at 510 feet. Slotted from 398 to 498 feet. 3/
805	do	do	1977	530	9	530	Kce-Kct	2,850	--	--	S, E, 5	P	Owner's well No. 14. Pump installed 1978. Slotted 430 to 530 feet. Pump set at 510 feet. Pumped 20 gal/min. 3/
901	do	--	--	860	7	--	Kce-Kct	2,857	400 357.0	Jan. 1940 May 15, 1973	S, E	P	Owner's well No. 6. Pump installed 1969.
902	do	--	--	--	--	--	Kce-Kct	2,857	--	--	S, E, 7½	P	Owner's well No. 7. Pump installed 1973.
903	do	--	--	400	--	--	Kce-Kct	2,800	--	--	S, E, 3	P	Owner's well No. 8. Pumped installed 1976. Pump setting 395 feet.
904	do	--	--	--	--	--	Kce-Kct	2,800	--	--	S, E, 3	P	Owner's well No. 9. Pump installed 1976. Pump setting 395 feet.
905	do	--	--	--	--	--	Kce-Kct	2,800	--	--	S, E, 2	P	Owner's well No. 10. Pump installed 1978. Pump setting 500 feet.
906	do	--	--	--	--	--	Kce-Kct	2,800	--	--	S, E, 1½	P	Owner's well No. 11. Pump installed 1978.
* 63-101	P. Caruthers	--	--	800+	6	--	Kce-Kct	2,470	--	--	S, E	S	
64-401	T. and N.O. Railroad	--	old	850	10	--	Kce-Kct	--	600	July 11, 1961	C, E, 6	P	Used as Dryden public well. Yield estimated at 20 to 40 gal/min. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes and Springs in Parts of the Trans-Pecos Region, Texas--Continued

TERRELL COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* XX-53-64-402	Southern Pacific Railroad	--	1900	1,800	8	600	Kce-Kct	2,100	531.0	Nov. 5, 1951	S, E	P, D	Water reported at about 600 feet. Yield reported at 10 gal/min on May 15, 1973.
* 54-18-902	W. E. White Est.	--	--	--	--	--	Kce-Kct	2,042	26.4 27.1	Feb. 8, 1961 Dec. 5, 1972	C, W	S	Estimated yield 1 to 5 gal/min.
* 27-601	Hugh Childress	--	1950	60	8	60	Kce-Kct	1,963	32.57 24.85	Dec. 9, 1955 Jan. 15, 1975	T, E	Irr	Slotted from 40 to 60 feet. Yield estimated at 350 to 500 gal/min. 2/
* 33-901	A. Tork Est.	Wesley Young	--	660	4	664	Kce-Kct	2,450±	525	Nov. 18, 1960	P, G	Ind	Yield reported at 8 gal/min. Water used for drilling oil tests.
* 50-701	Bob White	--	old	550±	8	--	Kce-Kct	2,210±	491.0	do	C, W	D, S	
* 58-501	Chriesman	--	--	--	6	--	Kce-Kct	--	--	--	C, W	S	
* 71-01-501	Birdwell-Hoffman	Cox & Wagonner	1946	1,000	8	--	Kce-Kct	1,915	599.4	Mar. 3, 1950	--	N	Unused livestock well. Former oil test. Gamma-ray and neutron logs.
* 72-05-301	T. A. Herring	--	--	--	--	--	Kce-Kct	2,162	517.4	July 19, 1947	C, W	S	Water reported at 517 feet.
16-101	John Harrison	--	--	900+	--	--	Kce-Kct	2,046	767.6	June 28, 1947	S, E	S	

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-45-17-701	Cactus Cattle Co.	W. E. (Bud) Tone	1962	403	8	--	Trdsr, Qal	2,646	66.7	Apr. 14, 1967	S, E, 5	Irr, S	Irrigated 3 acres of grass and watered 28 hogs in 1967. Pumped 53 gal/min for 101 hours and had 32.5 feet of drawdown on Apr. 24-28, 1967.
* 801	Sealy-Smith Foundation	--	old	64	7	--	Trdsr, Qal	2,634	40.34 43.17	Mar. 6, 1956 Jan. 7, 1980	C, W	S	Well W-66 in Pecos River Joint Investigation. Called "Honky Tonk" well. Sixty feet of 2-inch column pipe. Measured discharge 3.4 gal/min on Apr. 28, 1967. 4/
902	El Paso Natural Gas Co.	A. T. Wilhite	1949	129	8	129	Trdsr, Qal	2,669	45	Mar. 15, 1967	T, E, 5	Ind	Wells YX-45-17-902, 903, 904, 905, and 906 supply Sealy-Smith Gasoline Plant. Plant well No. 6. Driller's log: sand, surface to 47 feet; red sand, shale, and gravel (Triassic) 47 to 129 feet. Casing perforated 49 to 129 feet. Reported discharge 15 gal/min. Water has gassy taste and odor. Plant employees haul drinking water from Monahans. 3/ 6/
903	do	--	1954	120	12	115	Trdsr, Qal	--	47	do	T, E, 7½	Ind	Plant well No. 8. Driller's log: sand and sandy clay, surface to 52 feet; redbeds (Triassic), 52 to 120 feet. Casing perforated 80 to 115 feet. Reported discharge 10 gal/min on Mar. 15, 1967. Water has gassy taste and odor. 3/ 6/
904	do	J. D. Cole	--	126	10	113	Trdsr, Qal	--	53	do	T, E, 7½	Ind	Plant well No. 9. Casing perforated 74 to 113 feet. Gravel packed. Reported drawdown of 27 feet pumping 40 gal/min for 1 hour on Mar. 15, 1967. 3/ 6/
905	do	Dixon Pump and Equipment Co.	1962	123	8	120	Trdsr, Qal	--	51	do	T, E, 5	Ind	Plant well No. 10. Casing perforated 64 to 81 and 116 to 120 feet. Gravel packed. Reported drawdown of 44 feet pumping 39 gal/min for 1 hour on Mar. 15, 1967. 3/ 6/
906	do	Pete Hill	1949	442	16	67	Trdsr, Qal	--	40 80	June 2, 1949 Mar. 15, 1967	T, E, 5	Ind	Plant well No. 2. Casing perforated 50 to 56 feet. Open hole 67 to 442 feet. Driller reported no water below 110 feet. Reported drawdown of 70 feet pumping 43 gal/min for 1 hour on June 2, 1949. Drawdown of 34 feet pumping 14 gal/min for 1 hour on Mar. 15, 1967.
910	Shell Oil Co.	Sharp Drilling Co.	1959	850	8	776	Por	2,705	180	Dec. 17, 1959	S, E, 50	Ind	Sealy-Smith water well No. 1. Open hole 776-850 feet. Supplies water for secondary recovery of oil in the Monahans field.
* 18-801	Monahans Sand Hills State Park	R. C. (Dick) Murray	1957	75	8	44	Trdsr, Qal	--	28.0	Apr. 7, 1967	C, W	P	Casing cemented to wall of well. Open hole 44 to 75 feet. Reported tested at 35 gal/min when drilled. 3/
802	do	Shell Oil Co.	1956	63	6	--	Trdsr, Qal	2,745	22.3	Sept. 2, 1967	N	N	Supplied water for drilling Shell Oil Co. Sealy-Smith well A-1. Reported supplied plenty of water for drilling the well. Has not been used since.
* 901	F. L. Williams	--	1930±	81	6	--	Trdsr	2,760	60.3 60.1	Mar. 22, 1940 Mar. 16, 1967	C, W	S	"Polk Bagley" well. Estimated discharge 36 gal/min on Mar. 16, 1967.
25-102	Gulf Oil Corp.	J. R. Marshall	1934	350	8 7	179 350	Trdsr, Qal	2,672	134.1	June 23, 1967	N	N	Well W-58 in Pecos River Joint Investigation. Casing perforated 171 to 195, 265 to 288, and 312 to 326 feet. Supplied water for drilling oil tests. 3/
* 103	G. W. O'Brien Est.	--	1937	157	6	--	Trdsr, Qal	2,665	118.2 122.6	May 3, 1940 June 23, 1967	N	N	Originally drilled for oil-field supply well.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-45-25-201	Byron Jackson Co.	--	1937	95	6	59	Trdsr, Qal	2,602	61.6	Apr. 12, 1967	S, E, 2	Ind	Cased to 59 feet. Open hole 59 to 95 feet.
202	Texas-New Mexico Pipeline Co.	--	1937	86	6	65	Trdsr, Qal	--	36	Apr. 1937	S, E, 2	Ind	Well W-67 in Pecos River Joint Investigation. Open hole from 65 to 86 feet. 6/
* 203	Texas Electric Service Co.	Layne-Texas Co.	1947	294	8	--	Trdsr	2,603	62.0	Aug. 30, 1967	T, E, 15	Ind	Slotted 175 to 285 feet. Reported pumped 71 gal/min and had 11 feet of drawdown in Aug. 1967.
301	L. G. Brine and Water Sales Co.	Harry McMahen	1962	134	6	90	Trdsr, Qal	--	40	Oct. 1962	T, E, 10	Ind	Open hole 90 to 134 feet. Reported discharge 100 gal/min. Water has salty taste. 6/
* 302	R. C. (Dick) Murray	R. C. (Dick) Murray	1958	123	8	100	Qal	2,610	52.2	Apr. 13, 1967	N	N	Unused domestic well. Open hole 100 to 123 feet. Estimated yield 15 gal/min.
* 304	Lena Brown (Bronies Grocery)	J. J. Harrell	1939	110	8	72	Trdsr, Qal	--	45.4	do	S, E, 1	D	Formerly owned by City of Monahans. Open hole 72 to 110 feet. Reported pumped 75 gal/min for 72 hours and had a drawdown of 45 feet in 1940.
305	Monahans Brine Co.	W. E. (Bud) Tone	1965	176	11 6	72 176	Trdsr, Qal	2,617	46.6	Apr. 12, 1967	S, E	Ind	Surface casing cemented. Perforated 85 to 103, and 130 to 176 feet. Reported pumped 125 gal/min for 8 hours and had 55 feet drawdown. 3/ 6/
312	City of Monahans	Frank Gaylon	1948	149	8	149	Trdsr, Qal	2,609	49 62.4	Mar. 1948 Apr. 10, 1967	N	N	Abandoned municipal well No. 3-5. Casing perforated 79 to 149 feet. Reported discharged 100 gal/min in 1964. Decline of 13 feet in water level since 1948. 6/
313	do	do	1948	160	8	--	Qal, Trdsr?	--	--	--	T, E, 40	P	City well No. 3-6. Combined discharge of wells YX-45-25-313, 315, 316, 603, 604, 604 in use in city's west Monahans field was 800 gal/min (133 gal/min/well) in Apr. 1967. 6/
314	do	do	1948	160	16	--	Qal, Trdsr?	2,610	63.8	Apr. 10, 1967	N	N	Abandoned city well No. 3-7. Now capped. 6/
* 315	do	R. C. (Dick) Murray	1952	221	14	221	Trdsr?, Qal	2,607	--	--	T, E, 15	P	City well No. 3-8. Casing perforated 121 to 221 feet.
316	do	do	1955	165	20 11	65 165	Qal, Trdsr?	2,603	72	Oct. 20, 1959	T, E, 20	P	City well No. 3-10. Surface casing cemented. Slotted 65 to 165 feet. Reported tested at 450 gal/min when drilled. 6/
* 317	do	J. C. Lewis	1951	160	20	160	Qal, Trdsr?	2,610	61.2	May 17, 1967	S, E, 10	Irr	Cemetary well. Originally drilled to 965 feet to test the Rustler Formation. Because the water in the Rustler was unsuitable for public supply, the well was subsequently plugged back to 160 feet. Yield measured at 145 gal/min. Rustler aquifer test data. 3/
318	Texas & Pacific Railroad	L. F. Buchanan	1937	222	8	222	Qal, Trdsr?	--	50	Nov. 1937	N	N	Well W-71 in Pecos River Joint Investigation. Formerly supplied locomotives. Casing perforated 142 to 222 feet. 3/ 6/
319	do	T. E. Shutt	1928	200	8	200	Qal Trdsr?	--	--	--	N	N	Abandoned railroad well. Pecos River Joint Investigation. Perforated 108 to 200 feet. 3/
321	City of Monahans	Layne-Texas Co.	1946	220	18 10	80 210	Trdsr Qal	--	42 29.68	Dec. 16, 1946 Jan. 14, 1981	N	N	Abandoned public supply. T and P R.R. well No. 7. Casing slotted 97 to 137 and 170 to 210 feet. Drawdown of 68 feet pumping 192 gal/min for 8 hours. 3/ 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Part of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-45-25-322	City of Monahans	Layne-Texas Co.	1945	221	20 11	81 221	Qal, Trdsr	2,613	55.7	May 17, 1967	T, E, 10	P	Old T and P R.R. well No. 6. Screened 107 to 117, 127 to 149, 163 to 178, and 187 to 211 feet. Base of alluvium at 113 feet. Development test by driller on Nov. 20, 1945: drawdown of 62 feet pumping 160 gal/min for 24 hours. Current status: standby well for municipal supply. 3/ 6/
324	do	--	1930	450	--	--	Qal, Trdsr	--	47.3	Aug. 13, 1967	N	N	Well W-82 in Pecos River Joint Investigation. Old city well No. 3 at Monahans High School. Reported discharged 80 gal/min in 1941. 6/
325	Coca Cola Bottling Co.	Holt Drilling Co.	1955	126	10	90	Qal or Trdsr	2,616	--	--	T, E, 15	Ind	Open hole 90 to 126 feet. Casing cemented to wall of well to shut out shallow water which is reported to be gyppy. 3/ 6/
326	do	--	--	130	6	--	Qal or Trdsr	2,615	47.0	Aug. 17, 1967	S, E	Ind	
401	Gulf Oil Corp.	S. C. Ingham	1937	407	9	376	Trdsr?	2,668	136.1	July 25, 1967	N	N	Unused industrial well W-105 in Pecos River Joint Investigation. Casing perforated 323 to 376 feet. Open hole 376 to 407 feet. 3/
* 402	Richardson Oils	W. E. (Bud) Tone	1962	763	11	752	Trdsr, Qal	--	118	Aug. 1962	T, E, 10	Ind	University Lands water well No. 3. Casing slotted 180 to 205 and 220 to 752 feet. Reported discharge 167 gal/min.
403	Gulf Oil Corp.	J. D. Cole	1952	325	16 9	143 325	Trdsr, Qal	--	131	Jan. 1952	S, E, 40	Ind	O'Brien W. W. No. 22. Surface casing cemented with 75 sacks. Perforated 174 to 185 and 220 to 322 feet. Gravel packed with 15½ yards gravel. Metered discharge on Aug. 18, 1967 was 134 gal/min. This well and wells YX-46-32-302 and YX-45-33-106 pumped a reported 4,285,008 gallons in 1966. The water supplies Gulf Oil Corp's Ward-Estes freshwater system. It is used for drilling oil tests; it supplies the Warren-Monahans Gasoline Plant, Gulf's Wickett Field Office, several ranch houses and 22 livestock tanks. 6/
* 404	do	S. C. Ingham	1937	346	10	--	Trdsr?	2,668	137.3	Aug. 30, 1967	N	N	Formerly supplied City of Wickett. Perforated 326 to 346 feet.
* 405	Humble Oil and Refining Co.	Humble Oil and Refining Co.	1955	650	13 9	519 640	Trdsr	2,646	--	--	S, E	Ind	University water well F-3. Perforated 519 to 640 feet. Open hole 640 to 650 feet. Reported pumped 200 gal/min during a 16-hour development test. Water is used to wash filters at water-flood plant.
406	do	do	1955	624	13 9	520 624	Trdsr	2,648	111.1	Sept. 8, 1967	N	N	University water well F-2. Formerly used for water-flood supply. Perforated 499 to 624 feet. Reported pumped 133 gal/min for 6 hours in 1955.
407	do	do	1955	643	9	643	Trdsr	2,650	113.4	do	N	N	University W. W. No. F-1. Formerly supplied water for secondary recovery of oil. Casing perforated 495 to 643 feet.
408	do	do	1945	1,630	10 7	-- --	Trdsr	2,605	114.70 137.72	Nov. 6, 1970 Jan. 14, 1981	--	Ind	Drilled as oil test. Converted to water well in Santa Rosa. Now used as injection well in waterflood operation. Plugged back to 1,630 feet in Nov. 1953. Well F-14, Bull. 5408. 3/ 4/
* 501	C. W. Freeman	W. E. (Bud) Tone	1964	200	16	86	Trdsr, Qal	--	53	Sept. 1964	T, E, 30	Irr	Discharged 200 gal/min on May 13, 1967. Pumping level 181 feet; 1-hour recovery level, 93 feet.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-45-25-505	F. I. Dyer	--	1938	120	6	10	Trdsr, Qal	2,589	43.1 52.3	May 15, 1941 Mar. 29, 1968	C, W	S	Called "Division Well." Open hole 10 to 120 feet.
507	City of Monahans	Dixon Pump & Equipment Co.	1949	250	11 9	61 250	Qal, Trdsr?	--	75.3	Aug. 14, 1967	T, E, 25	P	Gulf Oil Corp. Hutching Camp well No. 3. Surface casing cemented with 60 sacks of cement. Perforated 50 to 250 feet. Pump test by Gulf Oil on May 24, 1950: drawdown of 48 feet pumping 131 gal/min for 48 hours. Two hundred twenty-two feet of column pipe and 12 stages of 8-inch bowls. 6/
508	do	Flack & Felton	1948	275	11 9	71 275	Qal, Trdsr?	--	81	May 1950	T, E, 15	P	Gulf Oil Corp. Hutching Camp well No. 1. Surface casing cemented with 85 sacks of cement. Perforated 72 to 275 feet. Pump test by Gulf Oil on May 4, 1950: drawdown of 53 feet pumping 147 gal/min for 24 hours. 6/
509	Texas Electric Service Co.	Layne-Texas Co.	1947	300	18 11	193 300	Trdsr	2,607	74.8	Sept. 26, 1967	T, E, 30	Ind	Owners well No. 10. Surface casing cemented. Perforated 219 to 300 feet. Gravel-packed. 3/ 6/
510	do	do	1947	150	7	82	Qal, Trdsr?	2,607	45.8 57.0	Mar. 31, 1947 Sept. 26, 1967	N	N	Owner's well No. 10-A drilled and logged to 444 feet. Pump tested open hole to 286 feet. Drawdowns of 64, 82, and 89 feet, pumping 307, 304, and 306 gal/min, respectively. Plugged back to 150 feet and shot casing from 66 to 82 feet. Tested at 40 gal/min with pump set near bottom. Not used since. 3/ 6/
511	do	do	1947	266	18 11	32 263	Qal, Trdsr	2,592	42 58.0	May 1947 Aug. 30, 1967	T, E, 20	Ind	Owner's well No. 18. Drilled and logged to 324 feet. Plugged back to 266 feet. Cemented 18-inch casing. Perforated 51 to 159, and 178 to 263 feet. Gravel-packed. Pumping 98 gal/min with pumping level at 166 feet on Aug. 30, 1967. Recovery level 58 feet after shutdown ½ hour. 3/ 6/
512	do	do	1947	100	11	46	Qal	2,590	53.3	Sept. 26, 1967	N	N	Industrial test well No. 28. Ran electric log. Open hole 46 to 100 feet. Bailed tested 60 gal/min when drilled. 3/
601	City of Monahans	Frank Gaylon	1948	117	14	--	Trdsr, Qal	2,605	46.4	Apr. 10, 1967	N	N	Abandoned city well No. 3-2. Depth reported at 160 feet; however, measured depth is 117 feet. Casing reportedly slotted 79 to 160 feet.
602	do	do	1948	160	14	--	Qal, Trdsr?	--	--	--	N	N	Abandoned city well No. 3-3. Pump pulled and well capped Mar. 24, 1964.
603	do	R. C. (Dick) Murray	1953	140	10	--	Qal, Trdsr?	2,606	53	Oct. 29, 1953	T, E, 7½	P	City well No. 3-9. Top of perforations at 76 feet. Pumping test by Smith Machinery Co. Pecos, Texas: drawdown of 50 feet pumping 137 gal/min for 1 hour. 3/ 6/
604	do	do	1954	156	11	--	Qal, Trdsr?	2,602	--	--	T, E, 20	P	City well No. 3-11. 6/
605	do	do	1954	154	11	--	Qal, Trdsr?	2,599	--	--	T, E, 15	P	City well No. 3-12. Reported tested at 400 gal/min for 72 hours when drilled. 6/
606	Texas Dept. of Highways and Public Transportation	J. D. Cole	1959	171	7	93	Trdsr	2,606	72.2	May 15, 1967	S, E, 3	Ind	Base of alluvium (top of Triassic) at 89 feet. Driller reported water-bearing sands at 50, 63, 80, and 140 feet. Casing cemented. Open hole 93 to 171 feet. Reported discharge 30 gal/min. Water used to irrigate lawns and to supply office and motor pool. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-45-25-608	P. & N. Trucking Co.	W. E. (Bud) Tone	1964	176	5	--	--	--	47.6	June 21, 1967	S, E, 2	Ind	Open hole 160 to 176 feet. One hundred thirty-two feet of 1-inch column pipe. Water used to wash trucks.
* 701	F. I. Dyer	--	old	190	5	10	Qal	2,630	112.1	July 25, 1967	C, W	S	Owner's "South Well". Open hole 10 to 190 feet.
* 702	Bluford Thornton	--	old	79	6	--	Qal	2,595	64.0	Aug. 30, 1967	C, W	S	Water level was 65.7 in 1940 with the pump shut down 5 minutes.
703	Cabot Corp. Estes Gasoline Plant	O. C. Reynolds	1937	265	12 11	228 265	Qal	--	--	--	T, E, 10	Ind	Owner's No. 1 well. Well W-101 in Pecos River Joint Investigation. Perforated 222 to 265 feet. 3/
704	do	do	1937	260	13 11	225 260	Qal	--	--	--	T, E, 10	Ind	Owner's No. 2 well. Well W-100 in Pecos River Joint Investigation. Perforated 219 to 260 feet. 3/6/
705	do	J. D. Cole	1955	205	9	205	Qal	2,638	99.2	Aug. 30, 1967	T, E, 10	Ind	Owner's No. 3 well. Casing perforated 149 to 205 feet. One hundred seventy feet of 4-inch column pipe. Well is on standby status--seldom used.
706	do	do	1966	280	11	280	Qal	2,640	112.2	do	T, E, 20	Ind	Owner's No. 4 well. Casing perforated 230 to 280 feet. Gravel-packed 240 feet of 6-in. column pipe, 8-in. bowls. Reported tested at 525 gal/min and had 34 feet of drawdown after 24 hours. 6/
707	Transwestern Pipeline Co. Estes Compressor Station	Layne-Texas Co.	1960	220	7	220	Qal or Trdsr	2,634	104.8	do	T, E, 5	Ind	Screened 195 to 215 feet. Development test by driller: 25 feet of drawdown pumping 34 gal/min for 8 hours. 6/
708	Colorado River Municipal Water District	F. C. Wheeler	1977	310	16	310	Qal, Trdsr	2,607	110	Mar. 1977	T, E, 150	P	Public supply for City of Odessa. Screened 200 to 220, 240 to 260, and 280 to 300 feet. Reported yield of 1,475 gal/min with 80 feet drawdown on 24-hour test. 3/
* 801	W. A. Estes	Nather Fielding	1908	186	6	--	Trdsr, Qal	2,590	80	1980	N	N	Abandoned livestock well. Called "Bledsoe Well." Abandoned in 1953. 3/
* 803	F. I. Dyer	--	old	90	10	4	Qal	2,580	36.7	July 25, 1967	C, W	S	Called "Bitter Well". Water is gyppy. Open hole 4 to 90 feet.
901	W. B. Morris	E. T. (Gene) Watkins	1944	68	10	68	Qal, Trdsr?	2,583	39.49 40.09 41.25	Feb. 9, 1955 Dec. 7, 1971 Dec. 4, 1973	N	N	Unused irrigation well. Casing perforated 40 to 68 feet. Well F-20, Bull. 5408. 3/
* 903	D. L. Varnnum	Bishop Smith	1965	100	8	180	Qal, Trdsr?	2,580	40.80 38.54	Apr. 27, 1967 Jan. 14, 1980	T, E, 10	Irr	Casing perforated 80 to 100 feet. Pump sucking air discharging an estimated 75 gal/min on May 11, 1967. 4/
* 907	A. D. Freeman	John Woodfin	1965	126	6	70	Trdsr	2,573	51.2	May 12, 1967	S, E, 2	Irr	Drawdown of 54 feet pumping 15 gal/min for 2 hours on May 12, 1967. Open hole 70 to 126 feet.
909	Montex Chemical Co.	do	1963	100	6	20	Qal	--	44.4	June 21, 1967	S, E, 3/4	Ind	Open hole 20 to 100 feet. Discharged 11 gal/min on June 21, 1967. Water has salty taste. 6/
910	do	do	1962	300	6	115	Trdsr?	2,582	56.3	do	S, E, 1½	Ind	Open hole 115 to 300 feet. Discharged 15 gal/min on June 21, 1967. Specific conductance of water was 23,300 micromhos per centimeter.
911	do	do	1963	100	6	20	Qal	2,582	44.6	do	S, E, 3/4	Ind	Open hole 20 to 100 feet. Discharged 15 gal/min on June 21, 1967. Water is salty. 6/
* 26-201	Monahans Sand Hills State Park	--	1900±	72	--	--	Trdsr	2,707	44.6	May 16, 1940	N	N	Formerly supplied railroad section house. Well was destroyed in 1957.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-45-26-202	Sealy-Smith Foundation	--	old	80	10	--	Trdsr, Qal	2,682	44.15 40.92	May 18, 1967 Jan. 14, 1981	C, W	S	Called "Railroad Well". 2/
203	Texas Parks and Wildlife Department	R. C. Murray	1956	115	8	--	Trdsr, Qal	2,710	--	--	S, E	P	Monahans Sandhills State Park.
204	do	do	1956	98?	8	--	Trdsr, Qal	2,710	--	--	S, E	P	Do.
* 401	Frank Anthony	John Woodfin	1965	130	6	80	Trdsr	2,622	51.7	May 15, 1967	S, E, 1	D	Ranch headquarters well. Open hole 80 to 130 feet. Reported tested at 18 gal/min for 1½ hours when drilled.
* 501	do	--	old	80	6	--	Trdsr	2,616	48.7	do	C, W	S	"Section 18 well".
* 502	J. H. Edwards and Sons	Robinson Drilling Co.	1954	124	6	109	Trdsr	2,643	56.4	do	C, W	S	Called "4-Section Well". Open hole 109 to 124 feet.
* 701	Lewis Rochester & J. E. Perkins	--	1955	213	18	213	Trdsr	2,560	44.22 57.90	Feb. 9, 1955 May 16, 1967	T, G	Irr	Casing perforated 120 to 213 feet. Drawdown of 57 feet pumping 75 gal/min for 14 hours on May 15-16, 1967. 1/
* 703	M. E. Bingham	--	1963	150	5	--	Trdsr	2,563	46.80 48.48	May 11, 1967 Jan. 14, 1981	S, E, 1	D	Well had been pumping recently when water level was measured on May 11, 1967. 4/
33-101	Standard Oil Co. of Texas	Prince Bros. Drilling Co.	1936	157	11	157	Qal	2,579	79.16 84.99	June 23, 1948 Dec. 30, 1967	N	N	Casing perforated 116 to 157 feet. Formerly used for drilling rig supply. 1/
* 102	Gulf Oil Corp.	S. C. Ingham	1937	175	9	175	Qal	2,609	95.80 106.65	May 17, 1940 Jan. 14, 1980	N	N	Casing perforated 113 to 175 feet. Formerly supplied drilling rigs. Reportedly jetted 36 gal/min from well in 1940. 4/
* 103	Standard Oil Co. of Texas	--	1936	157	9	157	Qal	2,584	90.8	July 24, 1967	T, E, 20	Ind	Casing perforated 116 to 157 feet.
104	Petr. Corp. of Texas	Moore & Russell Drilling Co.	1955	360	11	--	Qal	--	101.2	Aug. 9, 1967	T, E, 15	Ind	Trebol Univ. "C" water well No. 1. 6/
105	Sinclair Oil & Gas	Eastland Oil Co.	Before 1955	250	--	--	Qal	--	--	--	T, E, 7½	Ind	Hathaway water well No. 1. Discharged 72 gal/min on July 27, 1967. 6/
106	Gulf Oil Corp.	W. E. (Bud) Tone	1963	303	9	291	Qal	--	95.8	July 25, 1967	S, E, 40	Ind	E. W. Estes water well No. 8. Casing perforated 254 to 259 and 265 to 291 feet. Gravel-packed. Reported yield 260 gal/min. Pumped for oil field lease supply and livestock water. 6/
107	Texaco Inc.	--	1957	250	9	250	Qal	--	102	Sept. 1957	T, E, 15	Ind	State of Texas "C & E" water well No. 3. Casing perforated 175 to 250 feet. Water used for secondary recovery of oil. 6/
109	Colorado River Municipal Water District	F. C. Wheeler	1977	300	16	300	Qal, Trdsr	2,606	110.0	Mar. 1977	T, E	P	Supplies City of Odessa. On 24-hour test, drawdown 130 feet, pumping 1,250 gal/min. Screened 200 to 220, 240 to 260, and 270 to 290 feet.
* 201	Humble Oil and Refining Co.	--	1959	409	7	--	Trdsr	2,567	75.1	July 18, 1967	N	N	Unused industrial well. American National Bank water well No. 1.
202	do	W. E. (Bud) Tone	1961	300	--	--	Trdsr?	--	--	--	T, E, 25	Ind	Louis Richter water well No. 8. Reported tested at 248 gal/min when drilled. 3/ 6/
203	do	do	1964	319	11	319	Trdsr?	--	--	--	T, E, 25	Ind	Louis Richter water well No. 12. Casing perforated 224 to 319 feet. Gravel-packed with 132 yards of gravel. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-45-33-204	Humble Oil and Refining Co.	--	1964	308	11	308	Trdsr?	2,583	--	--	T, E, 25	Ind	Louis Richter water well No. 13. Casing perforated 208 to 308 feet. Reported tested at 575 gal/min when drilled. Water level in abandoned well (Richter No. 7) 150 feet north was 91.4 feet below land surface on July 18, 1967.
205	Walsh & Watts Inc.	--	--	300	--	--	Qal?	2,600	105.4	July 18, 1967	T, E, 7½	Ind	Louis Richter "C" water well. 6/
206	Skelly Oil Co.	J. D. Cole	--	340	9	340	Qal	--	--	--	T, E, 7½	Ind	Hathaway water well No. 3. Reported tested at 88 gal/min when drilled. 3/ 6/
207	Standard Oil Co. of Texas	Atwood-Clark Drilling Co.	1954	295	14	281	Qal	2,610	104 108.6	Feb. 1954 July 24, 1967	N	N	Abandoned industrial well--on standby. Lucy Adams water well No. 3. Casing perforated 81 to 144, and 207 to 281 feet. Reported drawdowns of 30 and 66 feet, pumping 170 and 248 gal/min, respectively, in 1954. 6/
* 208	do	W. E. (Bud) Tone	1955	240	14	230	Qal	2,612	96	Mar. 1967	T, Ng	Ind	Lucy Adams water well No. 4. Reported drawdown of 26 feet, pumping 146 gal/min for 3 months.
209	Richardson Oils	Richardson Oils	1953	352	11	352	Qal, Trdsr?	--	90	June 1953	T, E, 30	Ind	Hathaway water well No. 6. Slotted 226 to 351 feet. Placed 840 yards of gravel between the wall of the well and 10 3/4-in. casing. Reported pumped 800 gal/min for 5 hours and had 17 feet of drawdown; pumped 1,000 gal/min for 5 hours and had 23 feet drawdown in June 1953. Reported pumped 70 million gallons for secondary recovery operations on the lease in 1966. 6/
210	Harlan Prod. Co.	J. D. Cole	1957	210	9	--	Qal or Trdsr	2,575	79.6	Aug. 28, 1967	S, E, 3	N	W. H. Martin industrial water well No. 1. Casing perforated 140 to 170 feet. Packed with 10 yards of gravel. Set 175 feet of 2-in. column pipe. Used to supply secondary recovery operations through Mar. 1965. Not used since.
211	do	--	1953	127	--	--	Qal	--	77 80.0	Sept. 18, 1961 Aug. 28, 1967	S, E	N	Hathaway industrial water well No. 1. Not used since Nov. 1961.
212	Sinclair Oil & Gas	J. D. Cole	1959	300	11 9	185 300	Trdsr	2,583	100.1	Aug. 28, 1967	S, E 7½	Ind	W. H. Martin water well No. 2. Surface casing cemented. Perforated 190 to 300 feet. Reported bailed 60 gal/min for 3 hours and had 40 feet of drawdown when drilled. 3/ 6/
213	do	do	1959	321	11	160	Trdsr?	2,585	95.2	do	N	N	W. H. Martin abandoned industrial water well No. 1. Set and cemented 10 3/4-in. Open hole 160 to 320 feet. (Pulled 8-in. production casing).
214	do	W. E. (Bud) Tone	1960	330	11 9	194 330	Trdsr	2,565	74.1	do	S, E, 10	Ind	W. D. Johnson water well No. 1. Casing to 194 feet is cemented. Perforated 194 to 223 and 256 to 298 feet. Tested by Dixon Pump and Equipment Co. on Jan. 6, 1961. Drawdown of 40 feet pumping 135 gal/min for 4 hours. 6/
* 302	W. A. Estes	--	old	117	6	--	Trdsr?	2,560	54.6	July 28, 1967	N	N	Unused livestock well. Well W-94 in Pecos River Joint Investigation.
303	Humble Oil & Refining Co.	--	1961	411	7	--	Trdsr	--	--	--	T, E, 10	Ind	American National water well No. 3. Reported discharge 21 gal/min. 3/ 6/
304	do	--	1961	405	7	--	Trdsr	--	--	--	T, E, 20	Ind	American National water well No. 4. Reported discharge 97 gal/min. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-45-33-305	Humble Oil & Refining Co.	--	1961	400	7	--	Trdsr	--	--	--	T, E, 15	Ind	American National water well No. 5. Reported discharged 107 gal/min in Feb. 1967. 3/ 6/
402	Pan American Petr. Co.	Noll Drilling Co.	1961	168	9	--	Qal or Trdsr	--	--	--	T, E	Ind	Byrd water well No. 1. Forty feet of perforated casing, interval not known. Gravel-packed. Set 146 feet of column pipe. Discharged 25 gal/min on Aug. 22, 1967. 3/ 6/
* 501	D. B. Durgin (Bluford Thornton)	--	1910	71	6	--	Qal	2,541	46.88 54.05	Jan. 3, 1949 Jan. 14, 1981	C, W	S	Called "Shetland Well." 4/
503	Prince Bros. Drilling Co.	--	old	170	6	--	Qal	2,540	51.38	Jan. 24, 1954	N	N	Abandoned industrial well which formerly supplied oil-field camp. Obstruction in casing at 50 feet in 1967. 1/
504	Standard Oil Co. of Texas	--	1948	157	10	150	Qal	2,556	60.95 68.85	June 23, 1948 July 21, 1967	N	N	Durgin abandoned industrial water well No. 1. Casing perforated 120 to 150 feet. 1/ 6/
505	do	--	1948	157	10	151	Qal	2,558	61.95 70.10	June 23, 1948 July 21, 1967	T, E, 7½	Ind	Durgin water well No. 2. Casing perforated 120 to 151 feet. Reported discharged 120 gal/min in 1942. 1/ 6/
506	do	--	1948	157	10	150	Qal	--	58.83 67.67	June 23, 1948 July 31, 1967	N	N	Durgin abandoned industrial water well No. 3. Casing perforated 119 to 150 feet. 1/
* 507	Jack Moore	Bishop Smith	1963	230	12	230	Qal	2,584	98.0	June 23, 1967	T, G	Irr	Casing perforated 100 to 230 feet. Drawdown of 34.3 feet pumping 685 gal/min for 6 hours on June 23, 1967.
509	Prince Bros. Drilling Co.	Prince Bros. Drilling Co.	--	155	12 8	73 155	Qal	2,552	--	--	T, E, 7½	Ind	Owner's No. 2 well. Surface casing cemented. Perforated 75 to 155. Reported yield 70 gal/min. 6/
510	do	do	1935	155	8	155	Qal	2,552	70.8	July 21, 1967	N	N	Owner's No. 1 well. Unused industrial well. Casing perforated 75 to 155 feet.
511	Standard Oil Co. of Texas	Jap Harrell	--	190	11	--	Qal	2,550	73	Nov. 2, 1950	T, E, 25	Ind	Durgin water well No. 4. Casing perforated 90 to 184 feet. Gravel-packed with 77 yards of gravel. Set 160 feet of 6-in. column pipe. Reported discharge 225 gal/min. 3/ 6/
512	do	Moore & Russell	1951	220	13	--	Qal	2,560	71.8	July 21, 1967	T, E, 25	Ind	Durgin water well No. 5. 3/
513	Richardson Oils	M. Z. Zimlock Co.	1937	275	8 6	208 275	Qal	--	--	--	T, Ng	Ind	Johnson "A" water well No. 2. Casing perforated from 208 to 275 feet. 3/ 6/
514	do	R. C. (Dick) Murray	1951	223	13	223	Qal	--	70	1951	T, E, 30	Ind	W. D. Johnson "B" water well No. 4. Casing perforated 161-223 feet. Packed with 45 yards of gravel. Set 217 feet of 4-in. column pipe. Reported discharged 240 gal/min when drilled. 6/
515	Tidewater Oil Co.	W. E. (Bud) Tone	1952	311	16	305	Qal?	2,587	90	1952	T, E, 10	Ind	W. D. Johnson "B" water well No. 4. Casing perforated 185 to 305 feet. Packed with 18 yards of gravel. Set 277 feet of 4-in. column pipe. Reported pumped 1,500 gal/min for 24 hours and had 40 feet drawdown in 1952. 6/
601	Humble Oil & Refining Co.	--	1961	440	7	--	Trdsr	2,568	85.1	July 18, 1967	N	N	American National water well No. 6. Unused waterflood supply well.
603	Standard Oil Co. of Texas	R. C. (Dick) Murray	1952	203	16	--	Qal?	--	55	Feb. 1952	T, E	Ind	Hardage and Wilson water well No. 1. Casing perforated 70 to 90, 107 to 114, 117 to 130, 140 to 166, and 173 to 196 feet. Reported discharged 150 gal/min in 1952. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-45-33-604	Atlantic Pipeline Co. Brillhart Station	E. T. (Gene) Watkins	1950	135	6	135	Qal	--	--	--	J, E	Ind	Company No. 2 well. Casing perforated 117 to 120 and 132 to 135 feet. Reported discharge 18 gal/min. 6/
605	C. F. Kolp Oil Co.	--	old	94	6	--	Qal?	2,550	67.0 69.5	May 1, 1940 July 19, 1967	C, E	Ind	Well W-284 in Pecos River Joint Investigation. Discharged ¼ gal/min on July 19, 1967. 6/
606	Harlan Prod. Co.	--	--	82	6	--	Qal?	2,537	49.2	July 19, 1967	N	N	Unused water-supply well. Replaced well W-285 in Pecos River Joint Investigation. Bailed water sample July 19, 1967. 6/
608	Maxwell Oil Co.	Dixon Pump & Equip. Co.	1960	100	6	--	Qal	2,564	75	1965	T, E, 5	Ind	F. G. Smith water well No. 1. Set 85 feet of 4-in. column pipe. Reported water is brackish but drinkable.
609	Cities Serv. Co.	C. & H. Drilling Co.	1956	252	9	--	Qal or Trdsr	2,545	48	1948	T, E, 10	Ind	Grimes water well No. 1. Reported pumped 131 gal/min and had 30 feet of drawdown in 1958. 3/ 6/
703	Paragon Corp.	--	1958	100	8	--	Qal	--	65	1967	T, E, 5	Ind	W. L. Moody water well No. 1. Set 75 feet of 3-in. column pipe.
704	Bolin Oil Co.	Bolin Oil Co.	1959	200	8	--	Qal	--	--	--	T, E, 10	Ind	Wallace water well No. 1. Reported discharge 90 gal/min. Water has salty taste. 6/
705	Troy Eiland	K. Kimble Oil Co.	1960	127	16	--	Qal	--	50.8	June 22, 1967	N	Ind	Drilled to 300 feet in 1960. Well was cleaned out to 127 feet in June 1967. Will supply water for drilling oil tests.
* 707	do	--	1958	210	16	210	Qal	2,490	41.8	June 8, 1967	T, G	Irr	Owner's well No. 1. Drilled to 400 feet. Plugged back to 210 feet. Perforated casing 50 to 210 feet. Drawdown of 112 feet pumping 710 gal/min for about 30 days in 1967.
712	Sunset International Petr. Corp.	Ed Henderson	1957	127	20 10	17 126	Qal	2,490	38.2	Aug. 8, 1967	T, E, 5	Ind	G. Combs water well No. 1. Surface casing cemented. Perforated 21 to 63 and 105 to 114 feet. 6/
714	Ward County Water Control & Improvement District No. 2	Bradford Drilling	1940	250	13	250	Trdsr, Qal	2,474	35	--	C, E	P	Drawdown 7 feet on test in 1977. Supplies City of Grandfalls. Owner's well No. 1. Casing slotted 98 to 250 feet.
801	Standard Oil Co. of Texas	Ingram Bros.	1934	130	9	--	Qal	--	--	--	C, E, 7	Ind	J. E. York water well No. 3. Water used for camp and lease supply. 3/ 6/
802	W. E. Anderson	Kennedy & Ham	1952	220	16	220	Qal	--	35 42.5	1952 Aug. 6, 1967	T, E, 30	Ind	Owner's No. 4 well. Casing perforated 40 to 220 feet. Gravel-packed. Set 90 feet of 10-in. column pipe and 1 stage 13-in. bowl. Drawdown of 21 feet pumping 460 gal/min for 44.5 hours in Aug. 1967. 6/
803	Standard Oil Co. of Texas	Ingram Bros.	1953	95	6	--	Qal	2,548	58.69 67.91	Mar. 2, 1949 Jan. 14, 1980	N	N	York industrial water well No. 2. Formerly supplied gasoline plant. Well F-18, Bull. 5408. 4/
804	do	W. L. Theriac	1934	130	11	108	Qal	2,547	67.3 68.9	Feb. 7, 1958 July 21, 1967	N	N	York water well No. 5. Formerly supplied gasoline plant. 3/
807	John Bennett	Blacky Caprito	1932	120	7	--	Qal	2,555	61.31 67.20	Sept. 2, 1950 Jan. 4, 1956	N	N	Former camp industrial supply well. Has obstruction at 20 feet. 1/
808	do	do	1932	103	7	--	Qal	--	61.60 61.70	Dec. 3, 1948 Mar. 2, 1949	N	N	Formerly used for oil field camp supply. Destroyed. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-45-33-809	John Bennett	Farrell Oil Co.	1930's	116	6	116	Qal	--	58.86 69.65	Dec. 3, 1948 Aug. 6, 1967	N	N	Former lease supply well. Not pumped since 1953. 1/
811	Standard Oil Co. of Texas	Moore & Russell	1951	220	13	--	Qal	--	61.2	July 21, 1967	T, E, 30	Ind	J. E. York water well No. 6. Set 180 feet of 6-in. column pipe. Reported drawdown of 21 feet pumping 400 gal/min for 12 hours in Feb. 1951. Water tastes salty. 6/
* 812	City of Grandfalls	Bradford Drilling Co.	1946	140	15	--	Qal	2,503	41.3	Aug. 7, 1967	T, E, 25	P	City well No. 5. Casing perforated 68 to 140 feet. Set 114 feet of 6-in. column pipe. Drawdown of 7½ feet pumping 295 gal/min for 1 hour on Aug. 7, 1967.
* 816	Sam Patterson	J. L. Gillette	1936	123	6	123	Qal	2,516	40	1940	S, E	D	Well W-260 in Pecos River Joint Investigation. Formerly supplied Rio Bravo oil-field camp. Casing perforated 99 to 123 feet.
818	Forest Oil Corp.	--	1930's	106	7	--	Qal	2,546	61.4 73.4	May 1, 1940 Aug. 8, 1967	N	N	Well W-277 in Pecos River Joint Investigation. Formerly used for oil-field supply
819	do	Sidwell & Imler	1949	614	11	614	Trdsr	2,534	52.6 64.0	July 5, 1950 Aug. 2, 1967	N	N	A. B. Gordon water well No. 2. Casing perforated 579 to 614 feet. Reported Gordon water wells 1 and 2 supplied the first secondary recovery operation in Ward County. Well No. 2 has not been used since 1950. 3/
820	do	-- Wilhite	1950	215	11	215	Qal	--	53	Aug. 1950	T, E, 50	Ind	A. B. Gordon water well No. 3. Replaced well No. 2. Casing perforated 50 to 70, 80 to 105, 125 to 140 and 155 to 215 feet. Reported discharge 350 gal/min in 1967. 3/
821	do	Frank Gaylon	1958	208	20 18 13	45 87 208	Qal	2,534	70	Mar. 1950	T, E, 40	Ind	A. B. Gordon water well No. 4. Surface casing cemented. Perforated 53 to 208 feet. Reported pumps 335 gal/min. Has pumped continuously since 1958. 3/ 6/
822	Atlantic Refining Co.	do	1951	135	8	--	Qal	--	--	--	S, E	Ind	W. D. Johnson water well No. 1. Open hole, interval not known. Pumping 70 gal/min on Dec. 11, 1967.
823	do	do	1950	116	9	93	Qal	2,548	71	1960	S, E	Ind	Formerly well YX-45-33-805 of Texas Water Development Board Rept. 125. W. D. Johnson water well No. 2. Originally drilled to 130 feet. Open hole from 93 to 130 feet. Cleaned out to 116 feet in June 1951. Pumping test by owner in 1960: drawdown 10 feet pumping 38 gal/min for 30 minutes. Pumping level was 80.3 feet discharging 60 gal/min on Dec. 11, 1967. 3/ 6/
* 901	City of Grandfalls	Boyd Hopkins	1940	95	8	95	Qal	--	43.81	Jan. 2, 1951	N	N	City well No. 1 well W-263 in Pecos River Joint Investigation. Casing was perforated 55 to 95 feet. Well was abandoned and plugged in 1965 when water became salty.
902	do	--	1943	95	8	--	Qal	--	49.5	Apr. 26, 1967	N	N	City well No. 2. Abandoned and due to be plugged. 6/
903	do	Tipton Drilling Co.	1943	137	13	--	Trdsr	--	--	--	T, E, 7½	P	City well No. 3. Reported drawdown of 35 feet pumping 200 gal/min for 3 hours in July 1966. 6/
904	Standard Oil Co. of Texas	Prince Bros. Drilling Co.	1937	112	8	--	Qal	--	40.59 41.43	June 3, 1948 Jan. 2, 1951	N	N	Formerly supplied drilling rigs. Filled to above water level in 1952. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	YX-45-33-905	Cities Service, et al.	--	1930's	105	7	--	Qal	2,521	38.06 50.33	Apr. 29, 1940 Apr. 22, 1967	N	N	Well W-265 in Pecos River Joint Investigation. Abandoned industrial well. 1/
	906	Buckles & Hostetler	--	--	982	7	787	Por	2,535	111.2	July 19, 1967	T, E, 20	Ind	Armstrong-Green water well No. 2. Cased to 787 feet, open hole 787 to 982 feet in Rustler Formation. Reported discharged 160 gal/min in 1962. 6/
	908	City of Grandfalls	Tipton Drilling Co.	1949	135	8	--	Qal	--	--	--	T, E, 7½	P	City well No. 4. Casing perforated 40 to 95 feet. Reported drawdown of 26 feet, pumping 200 gal/min for 4 1/3 hours in July 1966. 6/
	910	Texas & Pacific Oil Co.	Ed Henderson	1955	910	11	860	Por	2,543	79.8	Dec. 11, 1967	N	N	Abandoned industrial well. James water well No. 1. Open hole 860 to 910 feet in Rustler Formation. Reported tested at 390 gal/min in 1955.
	911	do	--	--	128	7	--	Qal	2,526	47.2 54.5	May 1, 1940 Apr. 26, 1969	N	N	Formerly used for drilling oil tests and at lease house. Well W-274 in Pecos River Joint Investigation. Bailed sample of water on Dec. 11, 1967.
*	34-401	Jack Richardson	W. E. (Bud) Tone	1950	100	16	100	Trdsr, Qal	2,500	44.68 48.66	Feb. 9, 1955 Oct. 21, 1967	N	N	Unused irrigation well. Casing perforated 60 to 100 feet. 1/
*	402	Texas Dept. of Highways & Public Transportation	-- Henderson	--	155	8	--	Trdsr	2,532	55.13 57.00	Dec. 4, 1955 Jan. 14, 1980	C, W	P	Supplies roadside park. Set 147 feet of 3-in. column pipe. Well F-4, Bull. 5408. 4/
	406	Ozark-Mahoning Co.	S. C. Ingham	1937	85	--	58	Qal	2,450	5.8	June 27, 1967	N	N	Abandoned industrial well. Owner's well No. 209. Well W-340 in Pecos River Joint Investigation. Cribbing to 35 feet. Perforated casing 35 to 58 feet. Well is at eastern edge of Sodium Sulfate Lake. 3/ 6/
	407	do	W. E. (Bud) Tone	1964	110	10 7	10 110	Qal	2,453	--	--	C, E, 2	Ind	Owner's well No. 580. Perforated 20 to 110 feet. Well is on dike crossing Sodium Sulfate Lake and is about 3 feet higher than lake level. Pumping 3.6 gal/min on Oct. 1, 1967. Pumping level was 35.6 feet below top of casing. 3/ 6/
	408	do	--	1937	86	8	86	Qal or Trdsr	--	--	--	N	N	Abandoned industrial well. Formerly well YX-45-34-403 of Texas Water Development Board Rept. 125. Well W-339 in Pecos River Joint Investigation. Owner's well No. 216. Casing perforated 69 to 86 feet. 3/
	503	do	R. C. (Dick) Murray	1954	98	8	--	Qal, Trdsr	--	45.2	June 20, 1967	S, E	Ind	Owner's well No. 387. Pumping 31 gal/min Sept. 8, 1967. 3/
	504	do	L. W. Pulley	1946	91	8	91	Qal, Trdsr	--	43 45.7	May 1946 June 26, 1967	T, E	Ind	Owner's well No. 357. On stand-by status in 1967. Casing perforated 30 to 91 feet. 3/
*	505	do	R. C. (Dick) Murray	1956	400	10	83	Trdsr, Qal	--	46.5	June 26, 1967	S, E	Ind	Owner's well No. 442. Cased to 83 feet. Perforated 53 to 83 feet. Open hole 83 to 400 feet.
	506	do	F. C. Ingham	1942	120	8	95	Qal, Trdsr	--	--	--	T, E, 5	Ind	Owner's well No. 312. Casing perforated 41 to 95 feet. Open hole 95 to 120 feet. Driller reported water-bearing sands at intervals 57 to 72 and 79 to 86 feet. Discharging 27 gal/min on Sept. 8, 1967. 3/
	507	do	--	1949	94	8	94	Qal, Trdsr	--	45.1	June 26, 1967	N	N	Unused industrial well. Owner's well No. 366. Casing perforated 36 to 94 feet. Gravel-packed (4 yards of gravel). 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-45-34-701	Jess M. Wristen	-- Dugan	1945	102	6	102	Trdsr?	2,500	65.15 63.62	July 20, 1967 Jan. 14, 1981	C, W	S	Casing perforated 62 to 102 feet. 4/
* 702	George Brandenberg	Texas-Mexico Petr. Co.	1932	136	6	--	Trdsr?	2,529	85 86.6	Apr. 1940 Aug. 7, 1967	C, E	Ind	Water pumped for lease supply and household use. Reported dependable supply. Discharging 4.8 gal/min on July 20, 1967.
703	Sinclair Oil & Gas Co.	J. D. Cole	1957	656	13 11	200 640	Por	2,530	140	Jan. 1957	T, E, 40	Ind	Shipley-Queen water well No. 1. Surface casing cemented. Open hole 640 to 656 feet in Rustler Formation. Acidized with 2,000 barrels of 15 percent HCl. Reported drawdown of 40 feet pumping 346 gal/min for 5 hours in Jan. 1957. Reported pumps 270 gal/min in 1967.
* 802	Jess M. Wristen	--	old	89	6	--	Qal?	2,525	80.5 80.8	Mar. 20, 1940 June 28, 1967	C, W	S	Pumping 2.6 gal/min on June 28, 1967.
* 41-101	Ida M. Carr Well No. 1	Ben Glast	--	2,566	7	2,525	Pgsr	--	(+)	Mar. 31, 1968	Flows	N	Oil well. Open hole 2,525 to 2,566 feet in Seven Rivers Formation. Flowing 24 gal/min of oil and moderately saline water through 2-in. tubing on Mar. 31, 1968.
202	Consolidated Prod. Corp.	Burkholder Drilling Co.	1960	301	18 9	34 301	Qal, Trdsr?	2,443	20	1967	T, E	Ind	Viola Myers water well No. 1. Surface casing cemented. Perforated 90 to 150 and 280 to 290 feet. Gravel-packed. Set 275 feet of 3-in. column pipe. Reported discharge 50 gal/min. Water is brackish. 6/
203	Porter & Sons Gravel Co.	--	1960	55	12	--	Qal	--	15.2	Aug. 8, 1967	T, E, 20	Ind	Supplies gravel plant. Driller reported soil and caliche to 5 feet; sand, and clay 5 to 65 feet, red beds below 65 feet. Pumping level was 26 feet discharging an estimated 250 gal/min for 6 hours on Aug. 7, 1967. Water level rose to 15.2 feet after well was shut down for 15 hours. 6/
301	A. H. Adams, et al.	--	--	62	8	--	Qal	2,434	20.4	July 20, 1967	S, E	Ind	Pump disconnected when visited on July 20, 1967. Bailed sample of water. 6/
302	Harian Prod. Co.	Ambassador Oil Co.	--	700	9	124	Por	2,458	27.6	Aug. 16, 1967	N	N	Former industrial water-flood supply well. Fort Worth National Bank water well No. 1. Drilled to 2,263 feet as oil test. Plugged back to 700 feet. Open hole 124 to 700 feet. Log of oil test No. 8, located 100 feet north, shows top of red beds (Permian-Triassic) at 40 feet; top of anhydrite (Rustler) at 680 feet; water-bearing oolitic limestone at 680-690 feet. (Rustler); and top of salt (Salado?) at 825 feet.
42-101	Texas Electric Serv. Co.	--	1937	58	8	--	Qal	--	13.00 20.40	June 12, 1940 May 9, 1967	T, E, 2	N	Former industrial well W-301 in Pecos River Joint Investigation. Supplied cooling water for Grandfalls generating plant until it was shut down in 1947. 6/
102	L. C. Harrison	--	1940	110	6	110	Qal?	2,497	46.05 45.04	Dec. 2, 1950 Jan. 2, 1951	T, E, 5	Ind	Serves an industry in City of Grandfalls. 1/
* 103	W. H. Sloan	E. D. Eaton	1940	146	8	146	Trdsr	--	--	--	N	N	Test hole drilled for City of Grandfalls. Perforated 117 to 146 feet. Reported pumping 60 gal/min "would exhaust well". Well abandoned and plugged. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-45-42-104	Raymond Hill	--	1930's	78	6	78	Qal	--	27.9 26.9	Mar. 27, 1940 May 10, 1967	N	N	Former domestic well. Drilled to 78 feet. Perforated casing 30 to 78 feet. Sanded in to 50 feet in 1967. Well W-299 in Pecos River Joint Investigation.
105	J. J. Kenedy Prod. Co.	Seismograph Crew	1964	70	7	70	Qal	2,430	20.3	July 20, 1967	S, E, 5	Ind	Casing perforated 15 to 70 feet. Water is injected into well tapping the Salado Formation for production of brine. Reported tops of the Rustler and Salaso Formations were at 630 and 850 feet, respectively, in the brine well (not inventoried). 6/
* 107	R. R. Browning and J. T. Cox	--	1934	125	8	--	Qal	2,497	63.8	Apr. 26, 1967	S, E	P	Serves part of community of Royalty. Yield estimated at 15 gal/min. Former well YX-45-42-102. 1/
* 401	R. M. Ott, et al.	--	1936	14	--	--	Qal	--	9.9	Mar. 5, 1940	N	N	Formerly used for livestock supply. Well W-360 in Pecos River Joint Investigation. Destroyed.
402	George Brandenberg	George Brandenberg	1966	52	16	52	Qal	2,429	22.4	Aug. 29, 1967	T	Irr	Casing perforated 20 to 52 feet. Reported pumped 850 gal/min for 25 days in 1966. 3/
502	Raymond Lindsey	--	old	14	--	--	Qal	--	10.70 9.60	Feb. 2, 1940 Dec. 29, 1942	N	N	Well W-309 in Pecos River Joint Investigation. Dug to 14 feet at a location 50 feet north of irrigation canal. Destroyed. 1/
* 507	Eddie Mosley	Clyde Word	1966	67	12	67	Qal	--	19.28 16.14	Apr. 27, 1967 Nov. 6, 1967	T, E, 15	Irr	Casing perforated 20 to 67 feet. Discharged 700 gal/min on Apr. 29, 1967. Irrigates 5 acres.
* 509	L. E. Wilcox	do	1966	64	16	--	Qal	2,422	20.13 19.08	July 19, 1967 Nov. 6, 1967	T, E, 15	Irr	Casing perforated 23 to 63 feet. Set 55 feet of 8-in. column pipe. 3/
* 510	W. R. Puckett	John H. Tipton	1965	60	15	60	Qal	--	15.1	Oct. 1, 1967	T, E, 15	Irr	Casing perforated 30 to 60 feet. Set 57 feet of 8-in. column pipe. Pumping 450 gal/min on Apr. 27, 1967. Irrigates 34 acres of grass.
512	Carpenter Farms	--	1950	56	16	56	Qal?	--	19.35 21.53	May 9, 1967 Jan. 14, 1981	N	N	Unused irrigation well. Casing perforated to total depth. 4/
* 603	Hal Eudaly, Jr.	Great Basin Petr. Co.	--	1,695	5	--	Por?	2,412	(+)1	May 15, 1967	Flowed	N	Temporarily unused as livestock well. Drilled as oil test "Eudaley No. 1". Flowing ¼ gal/min over top of casing on Mar. 15, 1940. Destroyed.
* 801	F. M. White Well No. 4	-- Jameson, et al.	1943	4,000	--	--	Pgc?	2,423	(+)	Aug. 6, 1943	Flowed	N	Oil test. Reported flowing 30 to 60 gal/min when drilled. Destroyed.
* 802	Signal Oil & Gas Co.	--	1963	491	9	--	Por	2,410	38.8	May 9, 1967	T, E	Ind	Casing perforated 440 to 454 feet in Rustler Formation. Acidized with 1,000 barrels of 15 percent HCl. Water used for secondary recovery of oil. Water has salty taste.
* 46-21-701	Mobil Oil Co.	Lang Buchanan	1939	105	6	--	Qal	2,715	91.31	Dec. 28, 1942	N	N	Formerly used for livestock supply. Filled to above water level in 1967. Well W-1, Bull. 5408. 1/
702	do	Buffalo Drilling Co.	1965	286	11	--	Trdsr or Qal	--	--	--	T, E, 30	Ind	Twofreds unit, Tr. 4. Water well No. 1. 6/
* 703	do	do	1963	228	11	--	Trdsr, Qal	2,720	100	Feb. 1963	T, E, 20	Ind	Twofreds unit, Tr. 8. Water well No. 1. Set 200 feet of 4-in. column pipe and 18 stages of 8-in. bowls. Development tests, by Dixon Pump and Equipment Co. on Feb. 26, 1963: drawdown of 96 feet pumping 175 gal/min for 6 hours.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-46-21-802	J. C. Dunagan Est.	Clyde Simmonds	1939	97	5	97	Qal	2,720	74.1 77.4	Oct. 25, 1939 Oct. 4, 1967	C, W	S	Casing perforated 91 to 97 feet.
* 23-803	L. W. Anderson Ranch	Lang Buchanan	1939	176	6	20	Trdsr, Qal	2,705	59.7	Sept. 28, 1967	C, W	S	South "Harville well." Open hole 20 to 176 feet.
* 904	R. B. Leck	J. D. Cole	1956	300	16	--	Qal	2,687	107.24 109.30	Oct. 7, 1956 Sept. 12, 1967	T, Ng	Irr	Set 185 feet of 8-in. column pipe. Drawdown of 32 feet pumping 440 gal/min for 17 hours in Sept. 1967. 1/
* 906	Fay and Lula Hogg	--	1938	125	6	--	Trdsr, Qal	2,690	109.3	Sept. 12, 1967	C, W	S	
24-701	City of Monahans	Layne-Texas Co.	1957	386	4	--	Qal	2,697	117.43 123.89	June 7, 1957 Dec. 14, 1967	N	N	Test hole 2-A. Not completed as water well. Casing perforated 183 to 188, 256 to 261, 280 to 285, 302 to 307, 327 to 332, 352 to 357, and 376 to 381 feet. Aquifer test data. 1/ 3/
702	do	do	1959	395	20 13	185 395	Qal	--	119	July 1969	T, E, 100	P	City well No. 4-3. Drilled and logged to 404 feet. Plugged back to 395 feet. Surface casing cemented. Underreamed to 30-in. hole from 185 to 395 feet. Set 12 3/4-in. casing to 395 feet. Perforated 185 to 280, 290 to 340, 350 to 375 and 378 to 383 feet. Packed 60 yards of gravel outside 12-in. casing. Pumping tests by driller on June 18, 1959: drawdown of 125 feet pumping 1,000 gal/min for 12 hours. Drawdown of 86 feet pumping 713 gal/min for 11 hours. 3/ 6/
703	do	do	1957	386	13	385	Qal	2,697	118	June 1957	T, E, 40	P	City well No. 4-1. Drilled and logged to 386 feet. Set 12 3/4-in. casing to 385 feet. Perforated 182 to 385 feet. Pumping test by driller on June 7-8, 1957: drawdown of 35.8 feet pumping 500 gal/min for 24 hours. 3/ 6/
* 704	do	do	1957	392	20 13	191 392	Qal	2,694	116 121.7	May 1957 Dec. 14, 1967	T, E, 100	P	City well No. 4-2. Drilled and logged to 519 feet. Plugged back to 392 feet. Set and cemented surface casing to 191 feet. Underreamed to 30-in. hole from 191 to 392 feet; Set 12 3/4-in. casing to 392 feet with shutter screens 200 to 290, 294 to 314 and 324 to 384 feet. Packed 65 yards of gravel outside 12-in. casing. Pumping test by driller on Apr. 14, 1967: drawdown of 64 feet pumping 1,220 gal/min for 34 hours. Well was pumping 830 gal/min on Apr. 14, 1967. Water level rose 35 feet with well shut down 55 minutes. Aquifer test data. 3/
705	do	Dixon Pump and Equip. Co.	1965	387	20 14	177 387	Qal	--	118.3	Apr. 14, 1967	T, E, 100	P	City well No. 4-4. Drilled and logged to 399 feet. Plugged back to 387 feet. Set and cemented surface casing. Set 14-in. casing to 387 feet with shutter screens 232 to 382 feet. Gravel-packed. Set 238 feet of 8-in. column pipe and 6 stage 8-in. bowls. Pumping test by driller on Feb. 21-22, 1965; drawdown of 47 feet pumping 1,000 gal/min for 36 hours. Pumped 920 gal/min for 1 hour and had 38.2 feet of drawdown on Apr. 14, 1967. 3/ 6/
709	do	C. M. Bryant	1959	20 392	191 13	392	Trdsr, Qal	2,694	125	Apr. 3, 1959	T, E, 100	P	City of Monahans well No. 4-2. On 36-hour test on Apr. 3, 1959, pumped 1,208 gal/min. Screened 200 to 290, 294 to 314, and 324 to 384 feet.
710	do	Dixon Pump Co.	--	387	--	--	Trdsr, Qal	2,692	--	--	T, E	P	City of Monahans well No. 4-4. Pumped 1,000 gal/min.
711	do	--	--	380	20	--	Trdsr, Qal	2,698	--	--	T, E, 100	P	City of Monahans well No. 4-5.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	YX-46-24-712	City of Monahans	Hi-Plains Drilling, Inc.	1973	415	20 14	180 415	Trdsr, Qal	2,703	136	Mar. 19, 1973	--	P	City of Monahans well No. 4-7. "Hogg Ranch" well. Pumped 1,000 gal/min on 24-hour test. Drawdown of 48 feet on March 19, 1973. Screened 260 to 410 feet. 3/
*	713	do	do	1977	415	14	415	Trdsr, Qal	2,696	136	Oct. 11, 1977	T	P	City of Monahans well No. 4-8. Pumped 1,000 gal/min on 36-hour test. Drawdown of 48 feet on Oct. 11, 1977. Screened 188 to 258, 291 to 334, and 370 to 407 feet.
*	714	do	do	1977	415	14	415	Trdsr, Qal	2,702	--	--	T	P	City of Monahans well No. 4-9. Pumped 1,000 gal/min on 36-hour test. Drawdown of 32 feet on Oct. 18, 1977. Screened 147 to 254, 327 to 365, and 405 to 410 feet.
	801	Gulf Oil Corp.	J. R. Marshall	1938	216	9	216	Trdsr?, Qal	2,722	144.90 154.41	Mar. 28, 1957 Jan. 15, 1980	N	N	Unused industrial well. Casing perforated 164 to 216 feet. Yielded 115 gal/min when drilled. 3/ 4/
*	802	G. W. O'Brien Est. (Jack O'Brien)	--	1938	149	6	--	Qal	2,707	135.95 140.37	Mar. 6, 1956 Nov. 8, 1978	C, W	S	4/
	803	Texas Electric Service Co.	--	1955	242	16	--	Qal	2,706	130.37 153.58	Mar. 6, 1956 Jan. 15, 1981	N	N	Unused irrigation well. 4/
*	804	Al and Sam Ares	--	1957	225	8	--	Trdsr, Qal	2,721	145.3	Aug. 31, 1967	N	N	Magnolia-Sealy water well No. 1. Formerly supplied water for secondary recovery operations.
	807	Gulf Oil Corp.	--	--	4,500	13	1,000	Pgc	2,710	66.1	June 7, 1967	N	N	O'Brien unused industrial water-supply well No. A-2.
	806	do	--	1960	4,500	20 13 10	526 1,013 3,441	Pgc	--	70.1	do	N	N	O'Brien unused industrial water-supply well No. A-5. Casing: 20-in. cemented with 625 sacks of cement; 9 5/8-in. 1,013 to 3,441 feet cemented with 1,900 sacks of cement. Open hole 3,441 to 4,500 feet of Capitan reef.
	810	do	--	1961	4,500	20 13 10	519 1,000 3,445	Pgc	2,715	--	--	Cf, E, 7½	Ind	O'Brien water-supply well No. A-6. Casing: 20-in. cemented with 500 sacks of cement; 13 3/8-in. to 1,000 feet and 9 5/8-in. 1,000-3,445 feet cemented with 2,100 sacks of cement. Open hole 3,445 to 4,500 feet in Capitan reef.
	811	do	--	1961	4,500	20 13 10	517 1,000 3,485	Pgc	2,700	--	--	T, E, 100	Ind	O'Brien water-supply well No. A-7. Casing: 20-in. cemented with 500 sacks of cement; 13 3/8-in. to 1,000 feet and 9 5/8-in. 1,000-3,485 feet cemented with 1,500 sacks of cement. Open hole 3,485 to 4,500 feet.
	812	do	--	1961	4,300	20 13 10	516 1,000 3,425	Pgc	2,713	60.0	June 7, 1967	N	N	O'Brien unused industrial water-supply well No. A-8. Drilled to 4,470 feet plugged back to 4,300 feet. Casing: 20-in. cemented with 400 sacks of cement; 13 3/8-in. to 1,000 feet; and 9 5/8-in. cemented with 2,100 sacks of cement. Open hole 3,425 to 4,300 feet.
	813	do	--	--	4,500	13 10	1,000±	Pgc	2,718	66.7	do	N	N	O'Brien unused industrial water-supply well No. A-9.
	814	do	--	1962	4,400	20 13 10	527 980 3,531	Pgc	2,725	--	--	T, E, 100	Ind	O'Brien water-supply well No. A-10. Casing: 20-in. cemented with 450 sacks of cement; 13 3/8-in. to 980 feet; and 9 5/8-in. 3,531 feet, cemented with 1,805 sacks of cement. Open hole 3,531-4,400 feet.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-46-24-901	Gulf Oil Corp.	--	1936	300	9	121	Trdsr?	2,663	85.2	Aug. 31, 1967	N	N	O'Brien unused industrial water well No. 13. Open hole 121 to 300 feet. Reported pumped 27 gal/min in Apr. 1936. 3/ 6/
* 903	Richardson Oils	--	1930's	180	7	--	Trdsr, Qal	--	--	--	C, E, 3	D	Supplies oil-field lease house. Set 160 feet of 2½-inch column pipe. Discharging 4.8 gal/min on Aug. 31, 1967.
* 29-101	J. C. Dunagan Est.	--	1967	103	4	--	Trdsr, Qal	2,695	90.1	Oct. 17, 1963	C, W	S	
201	do	--	old	92	6	92	Qal	2,670	58.20 53.76	Apr. 19, 1967 Jan. 14, 1981	S, E	D, S	South well at ranch headquarters. Casing perforated 90 to 92 feet. Discharging 12 gal/min on Apr. 19, 1967. 4/
* 202	do	--	old	86	8	6	Qal	2,670	57.0 58.9	Dec. 5, 1940 Oct. 4, 1967	C, W	S, D	North well at ranch headquarters. Well was reportedly tested at 50 gal/min. Open hole from 6 to 86 feet.
* 203	do	--	old	68	8	--	Qal	2,649	53.3 54.0	Oct. 25, 1939 Mar. 23, 1950	C, W	S	Obstacle in casing at 45 feet in 1967.
* 301	do	--	old	144	7	--	Trdsr?	2,692	128.4 128.4	Oct. 26, 1939 Oct. 3, 1967	C, W	S	
* 402	Burkholder Bros.	Rector Oil Co.	1966	60	7	--	Qal	2,624	29.8 37.9	Nov. 6, 1939 Oct. 17, 1967	N	N	Drilled for rig supply. Converted to livestock well. Abandoned.
502	C. L. Monroe Est.	Clyde Simmonds	1936	125	6	--	Qal	2,642	47.05	Oct. 25, 1939	N	N	Former supply well W-16 in Pecos River Joint Investigation. Destroyed. 1/
503	do	--	1929	71	7	--	Qal?	2,656	59.40 63.32	Nov. 6, 1939 Oct. 17, 1967	N	N	Well W-12 in Pecos River Joint Investigation. Abandoned industrial well. 1/
504	Hissom Drilling Co.	Owner	1957	64	6	--	Qal	2,605	23.1	Oct. 17, 1967	N	N	Formerly supplied drilling rigs.
* 601	J. C. Dunagan Est.	--	1941	100	6	--	Trdsr?, Qal	2,640	50.1 52.2	May 14, 1941 Aug. 8, 1949	C, W	S	Well W-227 in Pecos River Joint Investigation.
602	Landa Oil Co.	--	1965	48	6	--	Qal	2,573	15.1	Oct. 17, 1967	N	N	Formerly supplied drilling rigs. 6/
701	Mi Vida Farms, Inc.	Lang Buchanan	1940	115	16	--	Qal	2,600	4.69 18.18	Sept. 8, 1941 Jan. 14, 1980	T, E, 20	N	Unused irrigation well. Drawdown of 16.3 feet pumping 1,300 gal/min for 25 days in Sept. 1941. Well W-174 in Pecos River Joint Investigation. 3/ 4/
* 705	do	C. C. & H. Drilling Co.	1946	152	20 14	-- 152	Qal	2,601	15.01 20.70	Oct. 28, 1946 Oct. 18, 1967	N	N	Unused irrigation well. Casing perforated 52 to 152 feet. Drawdown of 16.2 feet pumping 1,430 gal/min for 3 days in 1947. 1/
* 718	Edith Jenson	Lang Buchanan	1940	50	6	--	Trdsr, Qal?	2,597	5.4 14.3	Sept. 9, 1941 Oct. 18, 1967	S, E	S	Casing perforated 40 to 50 feet. Well A-28, Bull. 5408. Well W-187 in Pecos River Joint Investigation.
801	R. Burkholder	J. H. Hardaway	1946	130	20	--	Qal	2,597	17.70 23.77	Nov. 25, 1946 Jan. 14, 1980	N	N	Drilled for irrigation but reported insufficient supply (400 gal/min). Well A-33, Bull. 5408. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	YX-46-29-903	Atlantic Refining Co.	Dixon Pump & Equip. Co.	1966	190	10	190	Qal	2,569	14	Jan. 1966	S, E, 25	Ind	Quito unit water-supply well. Casing perforated 140 to 190 feet. Reported pumped 410 gal/min for 21 hours and had 44 feet of drawdown in Jan. 1966. Drawdown of 26 feet pumping 4 million barrels during 18 months in 1966 and 1967. 3/ 6/
	904	do	Mesa-Noll Drilling Co.	1965	204	9	--	Qal	2,568	12.6 14.0	Apr. 26, 1967 Oct. 17, 1967	N	N	Unused industrial well. Casing perforated 170 to 204 feet. Reported tested at 400 gal/min when drilled.
*	30-301	Anderson Ranch	--	old	98	6	--	Trdsr	2,772	84.7 85.7	Aug. 22, 1940 Sept. 28, 1967	C, W	D, S	South well of two at ranch headquarters.
*	403	do	Cactus Drilling Co.	1954	180	4	80	Trdsr	--	--	--	C, E, 5	D	Drilled for rig supply. Discharged 4.6 gal/min on Oct. 3, 1962. Open hole 80 to 168 feet.
*	501	do	R. C. (Dick) Murray	1966	141	7	--	Trdsr	2,670	99.65 97.58	Oct. 3, 1967 Jan. 14, 1981	C, W	S	Drilled for road construction. 3/ 4/
	601	Humble Oil and Refining Co.	--	1954	975	7	749	Por	2,820	261.0	Oct. 2, 1967	N	N	State Univ. "AC" unused industrial water well No. 1. Open hole 749 to 975 feet in Rustler Formation. Supplied water for drilling oil tests. Reported pumped 18 gal/min when drilled.
*	31-101	Anderson Ranch	--	old	147	5	--	Trdsr	2,695	119.3	Sept. 28, 1967	C, W	S	Owner's "Oats well."
	302	M. A. Williford	C. O. Richardson	1956	300	16	--	Qal	2,675	104.95 117.36	Mar. 6, 1956 Jan. 15, 1980	T	N	Abandoned irrigation well. Not pumped since 1956. 4/
*	304	Jack Baugus	--	1955	300	12	--	Qal	--	96.4	Sept. 12, 1967	T, E, 40	Irr	Estimated discharged 300 gal/min on Sept. 12, 1967.
*	305	Anderson Ranch	--	old	96	5	--	Qal?	2,660	89.8	Sept. 27, 1967	C, W	S	Owner's "Hookedy Well." Pumping 3.3 gal/min on Sept. 12, 1967.
*	306	A. D. Quillin	--	1927	153	6	--	Qal	2,661	--	--	C, W	S	Drilled for rig supply. Converted to livestock well.
*	401	Anderson Ranch	--	1939	130	5	--	Trdsr, Qal	2,681	116.1 117.91	Aug. 15, 1940 Jan. 14, 1981	C, W	S	Owner's "Borax Well." 4/
*	602	N. T. Zachry	Barney Lee	1955	200	12	200	Qal	2,659	99.00 103.36	Mar. 6, 1956 Sept. 27, 1967	T, Ng	Irr	Casing perforated 100 to 200 feet. Packed with 54 yards of gravel. Set 180 feet of 8-in. column pipe and 12 stages of 8-in. bowls. Pumped 240 gal/min for 2 weeks and had 13.2 feet of drawdown in Sept. 1967. 1/
	607	O. G. Lee, et al.	do	1956	265	12	--	Qal	2,647	92.7	do	T	N	Drilled to supply water for wetting grade during construction of Highway 115. Not used since.
	701	John Wilson	T & P Railroad	1882	97	120	--	Trdsr	2,640	62.94 66.05	Sept. 26, 1939 Oct. 14, 1967	N	N	Dug to 97 feet in Santa Rosa Sandstone. Supplied water for construction of railroad. Well W-141 in Pecos River Joint Investigation. 1/ 6/
*	702	--	--	1910	160	7	--	Trdsr	2,662	99.1 91.23	Sept. 1939 Jan. 14, 1981	C, W	D, S	Northwest well of two at ranch headquarters. 4/
*	705	Pat Wilsen	Kenneth Slack, et al.	1940	5,052	--	--	Trdsr, Por	--	--	--	N	N	Owner's well No. 1. Drilled to 5,052 feet as oil test. Hole filled in 1967 when visited.
*	706	City of Barstow (was T & P R.R.	W. P. Geaslin	1928	200	10 8	110 200	Trdsr	2,664	--	--	C, G	N	Abandoned municipal well. Perforated 100 to 160 feet. Reported maximum capacity was 30 gal/min.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-46-31-801	Dr. H. B. Johnson	--	1956	300	12	--	Qal	--	59.6	Nov. 13, 1967	T, G	Ind	Drilled for irrigation. Supplying water for construction of IH 20 in 1967. Drawdown of 16 feet pumping 380 gal/min for 22 hours in Nov. 1967.
* 902	Anderson Ranch	--	1930	118	7	--	Qal	2,630	66.3	Sept. 27, 1967	C, W	S	Called "Gyp well."
32-202	Texas Electric Serv. Co.	Magnolia Petr. Co.	--	124	7	--	Qal	2,678	108.3	Sept. 5, 1967	N	N	Drilled for rig supply.
* 204	do	Layne-Texas Co.	1955	425	20 13	193 425	Qal	2,646	92 99.9	Aug. 1958 Sept. 26, 1967	T, E, 100	Ind	Company well No. 6. Set 187 feet of 8-in. column pipe and 9 stages of 10-in. bowls. Drawdown of 38 feet pumping 1,000 gal/min for 48 hours in Dec. 1957. Drawdown of 25 feet pumping 810 gal/min for ½ hour on Sept. 6, 1967. Screened 215 to 415 feet. 3/
207	Gulf Oil Corp.	--	1959	4,010	20 13 10	539 1,022 3,496	Pgc	2,682	--	--	N	N	O'Brien unused industrial water-supply well No. 9. Casing: 20-in. cemented with 500 sacks of cement; and 9 5/8-in. cemented with 1,850 sacks of cement. Open hole 3,496 to 4,010 feet in Capitan reef. 6/
208	do	--	1959	4,109	20 13 10	520 -- 3,447	Pgc	2,692	20.2	June 7, 1967	T, E, 100	Ind	O'Brien water-supply well No. 10. Casing: 20-in. cemented with 550 sacks of cement; 13 3/8-in. and 9 5/8-in. cemented with 1,805 sacks of cement. Open hole 3,447 to 4,109 feet. 6/
209	do	--	--	4,400	13 10	1,000± --	Pgc	--	--	--	T, E, 100	Ind	O'Brien water-supply well No. A-4. 6/
210	do	--	--	4,141	13 10	1,000± 4,141	Pgc	2,708	--	--	T, E, 100	Ind	O'Brien water-supply well No. A-3. Former well YX-46-24-808 of Texas Water Development Board Rept. 125.
304	do	--	--	4,500	13 10	1,000± 4,500	Pgc	2,685	120.8	June 7, 1967	N	N	O'Brien water-supply well No. A-1. Open hole in Capitan reef.
305	do	--	1953	3,700	13 10	1,000± 3,522	Pgc	2,661	(+)242 (+)178 11.3	Sept. 1953 Sept. 1957 June 8, 1967	N	N	O'Brien unused industrial water-supply well No. 1. Open hole 3,522 to 3,700 feet. Reported flowed 778 gal/min in Sept. 1953. Flowed 12.7 million barrels through Aug. 24, 1957. Water was used for secondary recovery of oil.
306	do	--	--	3,950	13	--	Pgc	2,667	(+)194 (+)184 1.4	Feb. 19, 1957 June 28, 1957 June 7, 1967	T, E, 125	Ind	O'Brien water-supply well No. 3. Reported flowed 399 gal/min with 25 psi well-head pressure in Oct. 1955. 6/
307	do	--	--	4,100	13 10	1,000 4,100	Pgc	2,681	(+)162 78.38	June 28, 1957 June 7, 1967	N	N	O'Brien unused industrial water-supply well No. 4. Reported flowed 640 gal/min with 32 psi well-head pressure on June 13, 1957. Five-hour shut-in pressure was 70 psi. Specific capacity (5 hour recovery) was 7.3 gal/min per foot. 1/
308	do	--	--	4,500	13 10	1,000± 4,500	Pgc	2,674	(+)176 (+)173	Feb. 20, 1957 June 28, 1957	N	N	O'Brien unused industrial water-supply well No. 5. Flowed 655 gal/min at 44 psi well-head pressure on Feb. 19, 1957. Shut in for 24 hours. Pressure head was 76 psi (176 feet). Specific capacity was 8.9 gal/min per foot.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-46-32-309	Gulf Oil Corp.	--	--	4,100	13 10	1,000± 4,100	Pgc	2,689	(+)150 31.44	June 28, 1957 June 7, 1967	N	N	O'Brien unused industrial water-supply well No. 6. Reported flowed 780 gal/min with 32 psi well-head pressure. Shut-in pressure head (5 hours) was 65 psi. Specific capacity was 10 gal/min per foot. 2/
310	do	--	--	4,450	13 10	1,000± 4,450	Pgc	2,689	(+)194	Feb. 19, 1957	T, E, 125	Ind	O'Brien water-supply well No. 8. 6/
311	do	--	1960	4,462	20 13 10	521 1,000± 3,439	Pgc	2,672	17.5	June 7, 1967	T, E, 100	Ind	O'Brien water-supply well No. 11. Casing: 20-in. cemented with 700 sacks of cement; 13 3/8-in. and 9 5/8-in. cemented with 1,770 sacks of cement. Open hole 3,439 to 4,462 feet in Capitan reef. 6/
403	Fitz Sitton	Star Drilling Co.	1956	400	16	400	Qal	2,633	79.12 83.40	Mar. 6, 1956 Jan. 14, 1981	T, Ng	Irr	Reported drilled and cased to 400 feet. Packed with 900 yards of gravel. Set 156 feet of 8-in. column pipe. Drawdown of 29.7 feet pumping 500 gal/min for 9 hours on Sept. 15, 1967. 4/ 6/
* 405	J. A. Pebsworth, Jr.	--	1910	96	8	--	Qal	--	80.75 84.72	Mar. 6, 1956 Dec. 8, 1971	N	N	Formerly used to water livestock and irrigate fruit trees. 1/
* 501	Avary & Walker Water Co.	Bill Purcell	1942	182	10 8	136 174	Qal	2,614	74	1942	T, E, 15	P	Pyote well No. 1. Drilled to supply Pyote Army Air Force Base (abandoned). Perforated, open hole 174 to 182 feet. Pumping test by Layne-Texas in Jan. 1945: drawdown of 12 feet pumping 280 gal/min for 4 days. Pumping 260 gal/min on Nov. 16, 1967.
504	Texas Department of Highways and Public Transportation	--	1937	152	5	187	Qal	--	104.98 122.51	Feb. 23, 1940 Jan. 15, 1980	N	N	Formerly supplied roadside park. Casing perforated 126 to 165 feet. Open hole 187 to 195 feet. Sanded in to 152 feet in 1967. Well W-107 in Pecos River Joint Investigations.
508	Texas Electric Serv. Co.	Layne-Texas Co.	1955	425	20 13	162 425	Qal	2,634	85 92.0	1955 Dec. 14, 1967	T, E, 60	Ind	Company well No. 8-8. Drilled and logged to 426 feet. Set and cemented 20-in. casing. Underreamed hole to 30-in. diameter from 162 to 425 feet. Set 12 3/4-in. casing. Set shutter screens 182 to 230, 270 to 360 and 380 to 420 feet (188 feet total). Gravel-packed with 70 yards of gravel. Pumped 888 gal/min for ½ hour and had 37 feet of drawdown on Sept. 19, 1967. 3/ 6/
509	do	do	1955	385	20 12	762 385	Qal	2,647	101 105.4	1955 Dec. 14, 1967	T, E, 60	Ind	Company well No. 8-11. Drilled and logged to 390 feet (also drilled and logged a test hole to 436 feet, 60 feet east of well). Set and cemented 20-in. casing. Underreamed to 30-in. 162 to 385 feet. Set 12 3/4-in. casing with shutter screens 200 to 380 feet. Packed 50 yards of gravel outside 12-in. casing. Set 195 feet of 8-in. column pipe and 6 stages of 10-in. bowls. Reported pumped 838 gal/min for 24 hours and had 43.5 feet drawdown in Aug. 1958. Pumped 759 gal/min for ½ hour and had 29 feet of drawdown on Sept. 19, 1967. 3/ 6/
510	do	do	1948	290	18 11	192 288	Qal	2,652	107 114.6	1948 Sept. 26, 1967	T, E, 40	Ind	Company well No. M-3. Drilled and logged to 299 feet. Plugged back to 259 feet. Set and cemented 18-in. casing. Underreamed to 30-in. 195 to 290 feet. Perforated 192 to 259 feet. Gravel-packed. Pumped 197 gal/min for 30 minutes and had 27 feet of drawdown on Sept. 26, 1967. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-46-32-511	Avary & Walker Water Co.	Bill Purcell	1942	235	11 8	168 235	Qal	--	--	--	N	N	Former municipal well. Pyote well No. 2. Well W-321 in Pecos River Joint Investigation. Formerly supplied Pyote Army Air Force Base. Reported pumped 190 gal/min for 60 hours and had 36 feet of drawdown in 1942. Well caved in beyond repair in Jan. 1945. 3/ 6/
513	do	Bassett Drilling Co.	1943	241	11	241	Qal	2,613	83.9	Nov. 16, 1967	T, E, 25	P	Pyote well No. 4. Drilled and logged to 241 feet as Pyote Army Airfield No. 4 well. Perforated 174 to 241 feet. Reported pumped 315 gal/min and had 30 feet of drawdown. Pumped 370 gal/min and had 38 feet of drawdown in 1945. Discharged 310 gal/min from 4-in. bypass pipe on Nov. 16, 1967. 3/ 6/
514	do	Layne-Texas Co.	1945	240	18 11	159 240	Qal	--	84.8	do	T, E, 25	P	Pyote well No. 5. Set 18-in. casing cemented with 200 sacks of cement. Underreamed to 30-in. 159 to 240 feet. Set 10 3/4-in. casing with shutter screens 186 to 239 feet. Packed 25 yards of gravel between wall of well and 10-in. casing. Driller pumped 380 gal/min for 8 hours and had drawdown of 85 feet on Sept. 24, 1945. Pumped 328 gal/min for 2 hours and had 70 feet drawdown on Nov. 16, 1967. 3/ 6/
* 601	Jack O'Brien	R & R Drilling Co.	1938	235	7	--	Qal	--	118.6	Sept. 5, 1967	S, E, 20	Ind	Formerly supplied Cabot Carbon Plant. Currently supplies Southwestern Explosives Company. Reported to pump 225 gal/min. Well W-50 in Pecos River Joint Investigation.
602	Humble Oil and Refining Co.	John Drilling Co.	1962	4,460	13 10	1,211 3,304	Pgc	2,632	(+)	June 8, 1967	Flows	Ind	Wickett water system No. 6. Well No. 2. Cemented 13 3/8-in. casing open hole 3,304 to 4,460 feet in Capitan reef. Reported flowed 2,080 gal/min under 8 psi well-head pressure when drilled. 6/
* 603	City of Wickett	Burkholder Drilling Co.	1963	306	12	306	Trdsr?, Qal	2,652	120	1963	T, E, 5	P	City well No. 1. Set 12 3/4-in. casing with packer at 126 feet and shutter screens 206 to 306 feet. Cemented casing from surface to 126 feet with 310 sacks of cement. Packed annulus from 126 to 306 feet with 65 yards No. 10 gravel. Pumped 1,500 gal/min for 48 hours and had 90 feet of drawdown. Set 230 feet of 8-in. column pipe. Reported pumped 800 gal/min in 1967.
604	do	R. C. (Dick) Murray	1966	284	16 9	175 284	Trdsr?, Qal	2,652	117.2	Sept. 1, 1961	T, E, 15	P	City No. 2 well. On standby status. Set and cemented 16-in. casing. Set 8 5/8-in. and perforated 178 to 284 feet. Gravel-packed. Reported drawdown of 15 feet pumping 310 gal/min for 134 hours. 3/
605	Kent Distributors Inc.	--	1930	300	6	--	Trdsr?, Qal	--	115.9	Sept. 1, 1967	S, E, 5	Ind	Formerly supplied Wickett Refinery which closed in 1961. 6/
606	Texas Electric Serv. Co.	Layne-Texas Co.	1948	302	19 11	225 302	Qal	2,644	104.1	Sept. 27, 1967	T	N	Former industrial well. Company well No. M-6. Not in use in 1967. 3/
607	do	do	1948	335	19 11	224 335	Qal	2,648	106	1948	T, E, 40	Ind	Company well No. M-4. Cemented 18 5/8-in. to 224 feet. Perforated 248 to 320 feet. Reported pumped 264 gal/min on Sept. 19, 1967. 3/ 6/
* 609	Univ. of Texas	Atlantic Refining Co.	1942	2,911	7	2,911	Pgsr	2,634	(+)345 (+)346	Nov. 1942 Nov. 1948	Flows	Ind	Flowing water and small quantity of oil on Dec. 9, 1967. Oil well producing from the Seven Rivers Formation interval 2,907 to 2,911 feet.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-46-32-610	Gulf Oil Corp.	--	--	4,450	13 10	1,000 4,450	Pgc	2,644	(+)217 (+)201 (+) 46	Feb. 19, 1957 June 28, 1957 June 8, 1967	Flows	N	O'Brien unused industrial water-supply well No. 2. Reported flowed 599 gal/min at 25 psi well-head pressure in Oct. 1955. Shut-in pressure (24 hours) was 94 psi (217 feet of head) on Feb. 19, 1957. Flowed 492 gal/min at 46 psi on Feb. 20, 1957. Specific capacity (24 hours) was 3.4 gal/min/ft. Flowed 385 gal/min at 40 psi on June 13, 1957. Shut-in pressure (5 hours) was 87 psi on June 28, 1957. Specific capacity (5 hours) was 3.5 gal/min/ft.
* 611	do	--	--	4,500	13 10	1,000± 4,500	Pgc	2,648	(+)196 3.74	June 1957 June 7, 1967	T, E, 100	Ind	O'Brien water-supply well No. 7. Reported flowed 435 gal/min on June 13, 1957. Specific capacity (5-hour recovery) was 3.8 gal/min/ft.
612	do	--	1961	4,500	20 13 10	533 1,000± 3,450	Pgc	2,649	--	--	T, E, 100	Ind	O'Brien water-supply well No. 13. Surface casing cemented with 500 sacks of cement. Both 13 3/8 and 9 5/8-in. casing cemented with 900 sacks of cement. Open hole 3,450 to 4,500 feet in Capitan reef. 6/
613	do	--	1961	4,500	20 13 10	516 1,000± 3,444	Pgc	2,655	9.3	June 8, 1967	T, E, 100	Ind	O'Brien water-supply well No. 14. Surface casing cemented with 500 sacks of cement and 13 3/8 and 9 5/8-in. casing cemented with 1,500 sacks of cement. Open hole 3,444 to 4,500 feet.
614	do	--	1961	4,500	20 13 10	468 1,000± 3,460	Pgc	2,651	--	--	N	N	O'Brien unused industrial water-supply well No. 15. Surface casing cemented with 500 sacks of cement. Both 13 3/8 and 9 5/8-in. cemented with 2,100 sacks of cement. Open hole 3,460-4,500 feet.
615	do	--	1962	4,500	20 13 10	516 1,000± 3,470	Pgc	2,645	(+) 23	June 8, 1967	Flows	N	O'Brien unused industrial water-supply well No. 16. Surface casing cemented with 475 sacks of cement. Both 13 3/8 and 9 5/8-in. cemented with 2,100 sacks of cement. Open hole 3,470 to 4,500 feet.
616	City of Wickett	Gulf Oil Co.	--	300	12	--	Qal, Trdsr	2,650	70	--	T, E	P	Well yield reported at 500 gal/min.
617	do	Burkholder Drilling Co.	1963	315	12	--	Trdsr, Qal	2,647	--	--	T, E, 50	P	Owner's well No. 1. Public supply for City of Wickett.
618	do	R. C. Murray	1966	315	8	--	Trdsr, Qal	2,654	--	--	T, E, 25	P	Owner's well No. 2. Public supply for City of Wickett.
619	Gulf Oil Corp.	J. D. Cole	1954	365	8	365	Qal	2,658	107.6	June 7, 1967	S, E	Ind	O'Brien water-supply well No. 23. Former well YX-46-32-302 of Texas Water Development Board Rept. 125. Casing perforated 170 to 365 feet. Packed with 18 yards of gravel. Set 323 feet of 4-in. column pipe. Reported pumped 210 gal/min when drilled. Reported water is used for all oil-field operations other than secondary recovery of oil. Wells tapping the Capitan reef are used for that purpose. 6/
620	do	--	1960	4,500	20 13 10	522 1,003 3,445	Pgc	2,656	(+) 21	June 8, 1967	N	N	O'Brien unused industrial water-supply well No. 12. Former well YX-46-32-312 of TWDB Rept. 125. Surface casing cemented with 600 sacks of cement. Both 13 3/8 and 9 5/8-in. casing cemented with 500 sacks of cement. Open hole 3,445 to 4,500 feet. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
YX-46-32-701	J. R. Lamothe	Bill Purcel	1943	104	8	--	Qal	2,620	70.3	Sept. 9, 1967	N	N	Unused industrial well W-238 in Pecos River Joint Investigation. Formerly supplied water for wetting runways at the Pyote Air Force Base. Reported water was not potable. 6/
* 702	Humble Oil and Refining Co.	--	1966	200	12 7	17 200	Qal	--	--	--	T, G	Ind	State Univ. "D. G." water well No. 1. Perforated 157 to 187 feet. Pumping a reported 50 gal/min for rig supply on Sept. 28, 1967.
* 801	Bluford Thornton	J. Miles	1939	127	6	127	Qal	2,606	78.3 81.2	June 20, 1940 Aug. 11, 1967	J, E	S	Casing perforated 109 to 127 feet.
804	Texas Department of Highways and Public Transportation	--	1965	207	11	--	Qal	--	76 77.2	Mar. 1965 Nov. 7, 1967	S, E	P	Supplies drinking water and irrigates trees and shrubs at roadside parks. 6/
806	Avary & Walker Water Co.	Bill Purcell	1942	235	11 8	150 235	Qal	--	71	1942	N	N	Former municipal well. Pyote well No. 3. Well W-222 in Pecos River Joint Investigation. Reported upper water sands were not cased off. Abandoned and plugged in 1945 because of high chloride and sulfate content in water. 3/ 6/
807	do	--	1949	271	12	--	Qal	--	76	1952	T, E, 40	N	Former municipal well. Pyote well No. 6. Well was not used in 1967. Reportedly pumps sand. May be used in future. 6/
* 901	Humble Oil and Refining Co.	Johnn Drilling Co.	1962	4,421	13 10	1,284 3,325	Pgc	2,610	(+)186 (+) 70	July 11, 1962 June 8, 1967	Flows	Ind	Wickett water system No. 6, well No. 1. Open hole 3,325 to 4,421 feet. Reported stablized flowing pressure at 3,300 feet was 1,465 psi discharging 1,310 gal/min for 4 hours in July 1962. Specific capacity was 13 gal/min/ft.
* 903	Bluford Thornton	Jim Miles	1939	186	7	--	Qal	2,628	89.8	Sept. 6, 1967	C, W	S	Discharging 3 gal/min on Sept. 6, 1967.
904	Colorado River Municipal Water Dist.	K. C. Wheeler	1977	310	16	310	Trdsr, Qal	2,599	95	Jan. 21, 1977	T, E, 150	P	Owner's well No. 19. Public supply for Odessa. On 24-hour test, pumped 1,450 gal/min on Jan. 22, 1977. Screened 210 to 230, 240 to 260, and 280 to 300 feet.
905	do	do	1977	316	16	316	Trdsr, Qal	2,605	100	Mar. 1977	T, E, 50	P	Owner's well No. 20. Public supply for Odessa. On 24-hour test, pumped 370 gal/min with 161 feet drawdown. Screened 200 to 210, 220 to 230, 250 to 260, 270 to 380, and 286 to 306 feet.
37-101	Dan Cooper	--	1955	300	--	--	Qal	2,574	16.60 13.25	Feb. 3, 1958 Jan. 14, 1981	T	N	Unused irrigation well. 4/
* 205	Geo. Dinwiddie	Coleman & Williams	1945	71	20	71	Qal	2,584	14.67 20.01	Dec. 4, 1946 Feb. 12, 1949	T, E, 30	Irr	Casing perforated 17 to 71 feet. Set 85 feet of 8-in. column pipe. Pumping 1,090 gal/min on Oct. 23, 1967. 1/
* 206	R. S. (Bob) Hayes	C. C. & H. Drilling Co.	1946	110	20	110	Qal	2,575	13.83 16.76	Dec. 28, 1946 Dec. 24, 1967	T, Ng	Irr	Casing perforated 54 to 110 feet. Pumped 1,190 gal/min and had 30.3 feet of drawdown in Apr. 1947. Pumping 1,080 gal/min on Mar. 28, 1968. 1/
211	R. W. Burkholder	--	--	200	16	--	Qal	2,574	18.25 17.16	Feb. 12, 1959 Jan. 14, 1980	T, Ng	Irr	4/
* 305	Allgood, Avary, and Cummings	Jim Miles	1930	80	16	80	Qal	2,572	5.41 16.64	Dec. 17, 1930 Jan. 14, 1980	T, Ng	Irr	Dug to 16 feet and cribbed 5 feet in diameter. Drilled and cased with 9 5/8-in. pipe to 80 feet. Pumped 1,450 gal/min for 4 1/2 hours and had 19.6 feet of drawdown on Oct. 25, 1967. 3/ 4/
* 309	Barstow Ind. School District	C. C. & H. Drilling Co.	1950	83	14	--	Trdsr, Qal	2,564	11.9	May 11, 1967	T, E	Irr	Irrigates school lawns. Pumping 330 gal/min on May 11, 1967. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-46-37-502	W. E. Chapman	--	1961	190	16	190	Qal	2,571	14.0	Oct. 20, 1967	T, Ng	Irr	Casing perforated 15 to 190 feet. Set 150 feet of 10-in. column pipe and 1 stage 14-in. bowl. Pumping 290 gal/min on June 22, 1967.
* 504	Hilton Supply Co.	-- Walker	1960	97	16	97	Qal	2,562	12.7	Nov. 9, 1967	T, G	Irr	Casing perforated 47 to 97 feet. Set 70 feet of 8-in. column pipe. Reported pumps 1,000 gal/min.
* 611	Bill Allgood	Shine Avary	1953	100	16	--	Qal	2,561	14.5	Oct. 26, 1967	T, Ng	Irr	Casing perforated 50 to 95 feet. Pumping 1,500 gal/min on Mar. 31, 1968.
612	B. & B. Sand & Gravel Co.	--	--	30	--	--	Qal?	2,656	8	do	Cf, E, 25	Ind	Gravel pit. Irrigation drainage ditch empties into pit at north end and drains pit at south end. Water is pumped from pit to wash sand and gravel and to irrigate 20 acres of bermuda grass. Water that drains from the pit flows into the Pecos River 3 miles southeast of Barstow.
38-103	W. L. Fuller	Lang Buchanan	--	155	6	100	Trdsr, Qal	2,573	15.4 22.86	Apr. 2, 1940 Jan. 14, 1981	N	N	Unused irrigation well. Well was filled to above water level in 1967 and abandoned. 4/
* 106	Avary & Allgood	-- Schooler	1947	180	20 16	40 180	Qal	2,675	19.8	Oct. 25, 1967	T, Ng	Irr	Perforated 20 to 180 feet. Set 130 feet of 10-in. column pipe and 3 stages of 14-in. bowls.
201	City of Barstow	Jim Miles	1930	137	8	--	Trdsr	2,655	95.1 95.8 101.2	Dec. 5, 1940 Nov. 1, 1946 Nov. 14, 1967	T, E, 7½	N	Unused municipal well. Owner's well No. 1. Drilled to 117 feet. Deepened to 137 feet in 1955. Taps Santa Rosa Sandstone. Reported pumped 55 gal/min in 1948. Well has not been used since July 1966 when cities of Pecos and Barstow pipeline was completed. 6/
202	do	C. C. & H. Drilling Co.	1948	120	8	15	Trdsr	--	--	--	T, E, 10	N	Unused municipal well. Owner's well No. 2. Cased to 15 feet. Open hole 15 to 120 feet in Santa Rosa Sandstone. Set 110 feet of 4-in. column pipe and 24 stages of 4-in. bowls. Reported discharged 72 gal/min in Oct. 1948.
403	Texas Department of Highways and Public Transportation	--	1967	100	11	--	Qal	2,557	11.8	Sept. 27, 1967	T, Ng	Ind	Supplied water for construction of Interstate Highway 20 in 1967. 6/
* 601	C. M. Haughton	Dominion Oil Co. (Arthur Pitts)	1923	4,670	--	--	Por	2,550	--	--	Flows	N	Drilled as oil test. Reported flowed 1,800 gal/min from four horizons 700 to 1,200 feet deep in 1923. Flowed 206 gal/min on Dec. 19, 1940; 36 gal/min on Mar. 5, 1964; and 49 gal/min on Apr. 19, 1967. Well W-230 in Pecos River Joint Investigation. 3/
* 39-104	G. Q. Avary, Sr. & Jr.	Earl Ligon	1915	164	5	10±	Trdsr	2,659	106.1	Nov. 11, 1967	C, W	S	Well No. 2 at ranch headquarters. Open hole 10 to 164 feet.
105	do	Coleman & Huckabee	1950	165	20	10±	Trdsr	2,660	104.6 107.2	Mar. 3, 1959 Nov. 11, 1967	T, G	Ind	Well No. 3 at ranch headquarters. Open hole 10 to 165 feet. Driller reported; surface sand to 2 feet, white lime (caliche) 2 to 20 feet, red rock and red sand rock (Santa Rosa) 20 to 165 feet. Water is sold for drilling oil tests and for recovery of salt from the Salado Formation. 3/
203	do	do	1960	270	--	--	Qal	2,602	63.4	Nov. 11, 1967	T, G	Ind	Drilled originally for irrigation. Never cased. Used for rig supply in 1967. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos, Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-46-39-205	Jim Sample	Jack Haley	1964	142	7	142	Trdsr, Qal	2,625	88.2	Nov. 10, 1967	S, E, 5	D	Casing perforated 102 to 142 feet. Set 127 feet of 2½-in. column pipe. Drawdown of 14.2 feet pumping 100 gal/min for 2 hours on Nov. 10, 1967.
* 303	J. Duncan	--	1932	86	7	10±	Qal	2,605	62.5 60.6	Sept. 28, 1939 Nov. 10, 1967	C, W	S	Open hole 10 to 86 feet.
604	Mrs. Anna Herring	J. Miles	1939	95	8	8	Trdsr	2,596	76.0 81.37	Nov. 20, 1939 Jan. 15, 1980	C, W	S	Southeast well of two at ranch headquarters. Open hole from 8 to 95 feet. 4/ 6/
* 605	do	--	1907	86	5	--	Trdsr	2,597	77.7 75.7	Nov. 20, 1939 Nov. 10, 1967	C, W	S	Northwest well at ranch headquarters.
606	Permian Brine Co.	Owner	1963	260	6	260	Trdsr	2,579	63.8	Nov. 10, 1967	S, E, 1½	Ind	Sandy soil at surface. Reported loose sand and clay stringers to 255 feet, redbed and gravel stringers 255 to 260 feet, hard rock (Santa Rosa Sandstone) at 260 feet. Set blank casing to 260 feet; filled casing with gravel to 255 feet. Bailed 66 gal/min. Water is used for drilling oil tests and is injected into the Salado Formation for recovery of brine. 6/
* 40-201	Bluford Thornton	--	old	106	6	--	Qal	2,578	55.3 55.4	June 18, 1962 June 2, 1967	C, W	S	Owner's "Hog well".
* 202	do	--	1945	66	6	--	Qal	2,571	49.0 52.0	June 18, 1962 June 17, 1967	C, W	S	
205	Humble Oil and Refining Co.	--	1966	203	13 7	15 --	Qal	2,616	93.10 96.32	Aug. 11, 1967 Jan. 15, 1980	N	N	Unused industrial well. Drilled for rig supply. Casing perforated 160 to 190 feet. 4/
206	City of Pecos	--	1972	250	--	250	Qal	2,621	--	--	P, E, 100	P	Public supply for City of Pecos.
* 301	Bluford Thornton	--	1948	180	6	--	Qal	2,610	93.00 111.46	Sept. 8, 1961 Jan. 14, 1981	C, W	S	4/
* 305	City of Pecos	Burkholder Drilling Co.	1963	250	14	250	Qal	2,618	116	Apr. 17, 1967	T, E, 100	P	City well No. 1 (old No. 9). Screened to 246 feet. Gravel-packed. Pumping test by driller on May 14, 1963: drawdowns of 30, 45, 50, and 68 feet pumping 825, 1,040, 1,230 and 1,569 gal/min for 2 hours at each rate. Drawdown of 34 feet pumping an average of 884 gal/min for 57 percent of the time (576 hours) in Apr. and May 1967. Specific capacity 26 gal/min/ft.
306	do	do	1963	240	14	240	Qal	2,633	125	Apr. 10, 1967	T, E, 100	P	City well No. 2 (old No. 10). Screened 97 to 237 feet. Set 208 feet of 8-in. column pipe. Gravel-packed. Pumping test by driller on May 13, 1963: drawdowns of 35.5, 44.2, 50, 60, 65, 69, and 75 feet pumping 825, 1,000, 1,120, 1,230, 1,336, 1,438, and 1,569 gal/min for 2 hours at each rate. Drawdown of 40 feet pumping 865 gal/min for 58 percent of the time during 42 days in Apr. and May 1967. Specific capacity 22 gal/min/ft. 6/
* 307	do	F. C. Wheeler	1962	316	14	--	Qal	2,633	123	Apr. 17, 1967	T, E, 100	P	City well No. 3. Drilled and logged to 510 feet. Plugged back to 316 feet. Screened 217 to 227 feet and slotted 227 to 309 feet. Drawdown of 19.8 feet pumping 350 gal/min for 4 hours. Drawdown of 36.5 feet pumping 992 gal/min for 2 hours in May 1963. Specific capacity 27 gal/min/ft. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WARD COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* YX-46-40-308	City of Pecos	F. C. Wheeler	1962	256	14	256	Qal	2,633	125	Apr. 10, 1967	T, E, 100	P	City well No. 4 (test well No. 8). Screened 126 to 251 feet. Gravel-packed. Reported drawdowns of 46.3, 53.6, 61.6, 68.6, 74.8, and 78.3 feet pumping 825, 992, 1,120, 1,230, 1,336, and 1,438 gal/min for 2 hours at each rate in Aug. 1962. Drawdown of 33 feet pumping an average of 766 gal/min for 59 percent of the time in Apr. and May 1967. Aquifer test data. 3/
* 501	W. H. Jackson	Bert Everts	1938	84	7	--	Trdsr	2,553	55.0 55.79 50.62	Nov. 17, 1939 July 24, 1974 Jan. 14, 1980	C, W	N	Unused livestock well. Owner's "Rock tank well." 4/
502	Transwestern Pipeline Co.	Dixon Pump & Equip. Co.	1966	242	14 11 6	180 242 242	Trdsr	2,555	50	Sept. 26, 1966	T, E, 5	N	Unused industrial well. Casing: 14-in. to 180 cemented; 10 3/4-in. to 242 feet, perforated 202 to 232 feet; 5½-in. to 242 feet, screened 202 to 232 feet. Pumped 1 week for plant supply. Reported water was brackish--too much salt for plant's distillation system. Hauling distilled water from plant in Pecos 1967. 3/ 6/
* 503	Guy B. Hilton	--	1964	210	15	--	Qal	2,538	48	Apr. 1967	T, Ng	Irr	Set 130 feet of 10-in. column pipe. Pumping level was 86.9 feet with well discharging 870 gal/min on Aug. 11, 1967.
* 504	do	--	1964	203+	15	--	Qal	2,562	--	--	T, Ng	Irr	Pumping 780 gal/min on Aug. 11, 1967.
* 602	Paul Walker	Paul Walker	1963	260	12	--	Qal	2,524	48.0	Aug. 15, 1967	T, G	Irr	
* 703	Troy Eiland	Bill Tipton	1948	1,125	13	30	Por	2,506	(+)	Dec. 12, 1967	T, G	Irr	Open hole 30 to 125 feet. Flowing 150 gal/min on Mar. 4, 1959 (est.) and 53 gal/min on Dec. 12, 1967 (measured). Pumping level 270 feet below land surface on June 1, 1967 with well pumping 650 gal/min for 41 hours.
* 801	do	Arthur Pitts Oil Co.	1920	1,680	10	--	Por	2,481	(+)	June 1, 1967	N	N	Unused irrigation well. Called "Valley Well." Drilled as oil test. When drilled, well was flowing an estimated 2 feet (about 900 gal/min) in 1932. Well was flowing about 1/4 gal/min out of a 2½-in. nipple 4 feet above ground level on Dec. 12, 1967.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
* ZP-26-64-801	Tom Lineberry	--	1952	80	5	--	Qal	2,976	36.70 42.58	Sept. 19, 1956 Jan. 8, 1980	C, W	S	Well A-4, Bull. 5916. 4/
27-57-601	Mary K. E. Bauer	Humble Oil and Refining Co.	1951	101	8	--	Qal	3,165	73.4	Jan. 29, 1957	T, Ng	Ind	Water-flood supply well. Formerly used for drilling oil test. Well B-5, Bull. 5916.
801	S. B. Wright	--	--	115	6	--	Qal	3,137	72.64 75.27	Jan. 31, 1957 Jan. 8, 1980	C, W	N	Well B-19, Bull. 5916. 4/
* 45-01-201	Gulf Oil Corp.	G. S. Taylor	1948	135	12 7	-- 81	Qal	3,112	65.34 65.35	Jan. 8, 1957 Jan. 15, 1981	C, W	N	Supplied water for drilling oil test. Well E-1, Bull. 5916. 4/
202	do	J. D. Cole	1948	890	7	700	Trd	3,119	311.44 295.60	Jan. 24, 1957 Nov. 30, 1960	N	N	Abandoned industrial well. Keystone Cattle Co. Well 15. Top Santa Rosa at 800 feet. Supplied water for drilling oil test. Well E-4, Bull. 5916. 1/
* 401	Texas Department of Highways and Public Transportation	--	1950	120	8	96	Qal	3,051	34.16 29.60	Sept. 12, 1956 Dec. 7, 1971	C, W	P	Well located in small county park. Well E-15, Bull. 5916. 1/
402	Stanolind Oil & Gas Co.	J. D. Cole	1955	105	8	--	Qal	3,035	27.30 27.50	Nov. 3, 1956 June 11, 1957	N	N	Abandoned industrial well. Supplied water for drilling oil test. Well E-17, Bull. 5916. 1/
901	Humble Oil Co.	Branhare Drilling Co.	1956	108	13 7	32 108	Qal	3,042	54.74 53.80	Mar. 31, 1957 Jan. 9, 1980	N	N	Abandoned industrial well. Supplied water for drilling oil test. Slotted from 83 to 108 feet. Gravel packed. Well E-27, Bull. 5916. 4/
902	Tidewater Oil Co.	Harry Bass	1956	100	7	--	Qal	3,081	54.20	Jan. 25, 1957	N	N	Abandoned industrial well. Supplied water for drilling oil test. Well E-35, Bull. 5916. 1/
10-701	W. D. Amburgey	--	old	70	6	--	Qal	2,909	65.04 66.11	Oct. 4, 1956 Jan. 4, 1958	N	N	Abandoned industrial well. Well H-27, Bull. 5916. 1/
801	do	--	--	100	6	--	Qal	2,940	72.20 83.17	Dec. 10, 1956 Jan. 15, 1981	C, W	S	Temp. 64°F. Well H-28, Bull. 5916. 4/ 6/
17-202	Sealy & Smith Foundation	John Drilling Co.	1956	130	7	130	Qal	--	56.30	Jan. 4, 1958	N	N	Abandoned industrial well. Supplied water for drilling oil test. Gravel-packed. Well H-39. Bull. 5916. 1/
203	Stanolind Oil & Gas Co.	Noble Drilling Co.	1945	125	8	--	Qal	2,761	51.84	Oct. 3, 1956	--	Ind	Supplies water for drilling oil tests. Well H-47, Bull. 5916. 1/
* 401	Sealy & Smith Foundation	Frank Anthony	1956	300	6	60±	Trdsr, Qal	2,676	32.7 35.5	Oct. 8, 1956 May 17, 1967	C, W	D	Open hole 60 to 300 feet. Temp. 73°F. Well H-81, Bull. 5916.
601	Shell Oil Co.	Shell Oil Co.	1952	60	7	--	Qal	2,714	39.90 41.26	Oct. 9, 1956 Jan. 4, 1958	--	Ind	Stand-by well. Well H-76, Bull. 5916. 1/
802	do	Dixon Pump & Drilling Co.	1967	950	8	850	Por	2,685	196.8	May 17, 1967	N	Ind	Well to be used for water-flood water source. Yield reported at 220 gal/min with 17 feet of drawdown. Open hole 850 to 950 feet. Reported base of alluvium at 210 feet, reworked or weathered Triassic reported at 110 to 133 feet, and top Rustler lime reported at 900 feet. 6/
901	do	--	--	40	7	40	Qal	2,710	28.95 25.70	Oct. 8, 1956 Jan. 7, 1980	N	N	Unused industrial well. Well H-75, Bull. 5916. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-45-17-911	Shell Oil Co.	--	1962	860	6	773	Por	--	--	--	S, E, 50	Ind	Smith & Sealy Foundation Water Well No. 2. Water source for repressure in water-flood operations. Yield reported as greater than 260 gal/min with pumping level at 300 feet. Water reported as highly corrosive with high H_2S content.
* 18-702	Sealy & Smith Foundation	--	1949	10	--	--	Qal	2,734	5.0	July 4, 1957	Flows	S	Former seep. Dug with bulldozer about 20 feet by 20 feet and 10 feet deep. Former rig supply source. Seep H-69, Bull. 5916.
* 46-06-301	City of Midland J. B. Tubb Est.	--	old	140	5	--	Qal	2,885	119.70 132.97	Sept. 7, 1956 Jan. 15, 1981	C, W	S	Temp. 69°F. Well C-2, Bull. 5916. 4/
* 801	Tom Lineberry	--	old	211	6	--	Trdsr?	2,919	190.70 191.04	Sept. 4, 1956 July 16, 1975	C, W	S	Well C-42, Bull. 5916. 5/
* 901	Evelyn Lineberry	--	--	125	6	--	Qal	2,839	103.86 108.89	Sept. 11, 1956 Jan. 8, 1980	C, W	S	Temp. 74°F. Well C-40, Bull. 5916. 4/
07-401	J. B. Walton	--	1935	118	6	--	Qal	2,844	102.30 107.26	Jan. 30, 1940 Jan. 15, 1981	C, W	S	Well C-22, Bull. 5916. 4/
* 402	Tom Lineberry	--	1951	130	6	--	Qal	2,861	100.45 107.26	Sept. 7, 1956 Jan. 15, 1981	C, W	S	Temp. 78°F. Well C-24, Bull. 5916. 4/
601	Amerada Petr. Corp.	Dixon Drilling Co.	1966	300	6	300	Qal	2,886	100	Jan. 1968	S, E, 5	Ind	Water-supply well No. 2 for water flood operation. 6/
602	do	--	1956	200	12 7	-- --	Qal	2,885	100.6	Dec. 17, 1968	S, E, 3	Ind	Water-supply well No. 1 for water-flood operation. Well D-155, Bull. 5916. 6/
801	Sinclair Oil & Gas Co.	J. R. Marshall	1936	231	9 7	149 153	Qal	2,862	71.6 72.5	Sept. 12, 1956 Jan. 13, 1968	N	N	Former industrial water-supply well No. 1. Open hole from 153 to 231 feet. 3/
802	Pan American Petr. Corp.	--	1939?	212	9	212	Qal	2,855	--	--	T, E, 30	Ind, D	Compressor plant well. Well C-47, Bull. 5916. Yield reported in 1956 at 230 gal/min. 6/
901	Mobil Oil Corp.	--	1936	201	16 13	114 188	Qal, Trdsr?	2,879	95.81 85.46	Sept. 20, 1956 Jan. 8, 1980	N	N	Former industrial well. Gas plant, south well. Well drilled to 201, cased to 188, and plugged back to 183 feet. Slotted from 118 to 183 feet. Well D-150, Bull. 5916. Approximate top of Santa Rosa at 180 feet. Yield reported at 230 gal/min in 1968. 4/
* 902	D. H. Bolin Oil Co.	--	1935	200	9 7	105 200	Qal	2,880	90.20	Dec. 17, 1968	S, E	D	Supplies water for three lease houses. Well D-162, Bull. 5916. Slotted 140 to 200 feet. 1/
904	Sinclair Oil & Gas Co.	F. C. Ingham	1934	200	11 9	200 200	Qal	--	91	Sept. 1956	N	N	Abandoned industrial well. Slotted 170 to 200 feet. Well D-163, Bull. 5916. 3/ 6/
906	Mobil Oil Corp.	O. C. Reynolds	1934	165	13	165	Qal	2,879	89.0	Dec. 19, 1968	T, E, 15	N	Industrial well on standby. North well Mobil gas plant. Well D-147, Bull. 5916.
907	D. H. Bolin Oil Co.	--	1935	200	9 7	105 200?	Qal	2,979	--	--	T, E, 7½	Ind	Bolin water-flood well. Well D-161, Bull. 5916. Specific conductance of water in 1956, 2,400 micromhos at 25°C. Slotted from 140 to 200 feet.
908	Mobil Oil Corp.	O. C. Reynolds	1935	168	13	125	Qal	2,882	100	Sept. 1956	T, E, 15	Ind	Owner's No. 2 water-flood well. Open hole 125 to 168 feet. Yield reported at 130 gal/min. 6/
909	do	J. P. Marshall	1934	245	11	200	Trdsr	2,885	--	--	T, E, 15	Ind	Owner's No. 4 water-flood well. Open hole 200 to 245 feet. Well D-145, Bull. 5916. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-07-910	Mobil Oil Corp.	J. P. Marshall	1936	250	12	200?	Trdsr	2,884	--	--	T, E, 25	Ind	Owner's No. 5 water-flood well. Open hole 200 to 250 feet. Well D-144, Bull. 5916. 6/
911	do	do	1957	400	16	175	Qal, Trdsr	2,890	--	--	T, E, 15	Ind	Owner's No. 248 water-flood well. Open hole 175 to 400 feet. 6/
912	do	H. U. Barnes	1955	274	20 11	110 274	Trdsr	2.892	--	--	T, E, 25	Ind	Owner's No. 239 water-flood well. Possibly slotted from 211 to 274 feet. Well D-143, Bull. 5916. 3/
913	Atlantic Richfield Co.	J. D. Cole	1956	190	11	114	Qal	2,873	91.2 84.4	Nov. 17, 1956 Dec. 18, 1968	T, E, 5	N	Abandoned industrial well. Owner's No. 1 water-flood well. Open hole 114 to 190 feet. Well D-166, Bull. 5916. 3/
914	do	do	1956	190	11	103	Qal	2,871	84.0 82.0	Sept. 25, 1956 Dec. 18, 1968	--	N	Abandoned industrial well. Owner's No. 2 water flood well. Open hole 103 to 190 feet. Well D-167, Bull. 5916. 3/
917	Humble Oil and Refining Co.	F. C. Ingham	1935	173	9 6	88 166	Qal	2,894	--	--	S, E, 10	Ind	Owner's water-flood well No. 1, Howe lease. Open hole 166 to 173 feet. Slotted 126 to 166 feet. Well D-181, Bull. 5916. 3/
918	do	do	1936	175	9 6	88 175	Qal	2,894	--	--	T, E, 10	Ind	Owner's water-flood well No. 2, Howe lease. Slotted 110 to 175 feet. Well D-179, Bull. 5916. 3/ 6/
919	do	do	1936	186	9 6	80 186	Qal, Trdsr?	2,894	93.7	Dec. 19, 1968	N	N	Owner's abandoned water-flood well No. 3, Howe lease. Slotted 110 to 186 feet. Well D-180, Bull. 5916. 3/
920	do	do	1936	195	9 7	90 195	Qal, Trdsr?	2,896	96.0	do	S, E	Ind	Owner's water-flood well No. 4, Howe lease. Slotted 110 to 195 feet. Well D-182, Bull. 5916. 6/
921	Gulf Oil Corp.	J. R. Marshall	1936	180	9	85	Qal	2,875	91.8 86.4	Nov. 19, 1956 Jan. 3, 1969	N	N	Owner's abandoned water well No. 1. Formerly used as rig supply. Open hole 85 to 180 feet. Well D-177, Bull. 5916. 3/
922	do	do	1937	225	9	78	Qal, Trdsr	2,875	89.2 88.3	Nov. 16, 1956 Feb. 2, 1968	N	N	Owner's abandoned industrial water well No. 7. Open hole 78 to 225 feet. Well D-173, Bull. 5916. 3/
923	do	R. E. Griggs	1937	218	9	117	Qal, Trdsr	2,880	89.5 89.2	Nov. 19, 1956 Jan. 3, 1969	N	N	Owner's abandoned water-flood well No. 5, Dougherty lease. Open hole 117 to 218 feet. Yield reported at 42 gal/min on Jan. 3, 1969. Well D-175, Bull. 5916. 3/ 6/
924	do	do	1937	216	9	106	Qal, Trdsr	2,882	91.3	Nov. 19, 1956	N	N	Owner's abandoned industrial water well No. 6. Open hole 106 to 216 feet. Well D-176, Bull. 5916. 3/
925	D. H. Bolin Oil Co.	--	1935	201	9 7	110 201	Qal	2,868	84.5 83.4	Sept. 24, 1956 Jan. 17, 1968	T, E, 7½	Ind	Owner's water-flood well No. 1, Daugherty "A" lease. Slotted 139 to 201 feet. Yield reported at greater than 100 gal/min on Dec. 18, 1968. Well D-168, Bull. 5916. 6/
927	Cabot Gasoline Plant	J. D. Cole	1953	212	12	--	Qal	2,876	86.2	Dec. 20, 1969	T. E, 30	Ind	Owner's "Big Plant" well. Yield reported at 300 gal/min in 1956. Well D-170, Bull. 5916. 6/
928	Cabot Oil Corp. Gasoline Plant	--	1936	200	9	200	Qal	2,875	84.0	July 26, 1968	T, E, 10	Ind, P	Owner's "Little Camp" well. Yield reported at 60 gal/min in 1956. Well D-171, Bull. 5916. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-07-929	Transwestern Pipeline Co.	Layne-Texas Co.	1960	202	13 7	30 202	Qal	2,877	94 87.8	1960 Dec. 18, 1968	T, E, 10	Ind, P	Owner's "Transwestern Plant" water well No. 1. Screened 175 to 197 feet. Yield reported at 35 gal/min. 3/ 6/
931	Sun Production Co.	J. R. Marshall	1936	175	9	175	Qal	2,865	--	--	T, E, 7½	Ind	Owner's water-flood well No. 1, Walton ranch. Well D-233, Bull. 5916. 6/
932	Humble Oil and Refining Co.	R. E. Griggs	1936	300	11 7	103 300	Qal, Trdsr	2,859	--	--	T, E, 15	Ind	Owner's water-flood well No. 2, Colby "C" lease. Slotted 98 to 300 feet. Well D-235, Bull. 5916. 3/ 6/
933	do	do	1936	300	9 7	124 300	Qal, Trdsr	2,859	62.0	July 25, 1969	T, E, 7½	Ind	Owner's water-flood well No. 1, Colby "C" lease. Slotted 119 to 300 feet. Yield reported at 18 gal/min in 1940. Well D-236(?). Bull. 5916. 3/ 6/
934	Mobil Oil Corp.	O. C. Reynolds	1934	165	20	--	Qal	2,880	--	--	T, E, 15	Ind	Owner's water-flood well No. 1. Specific conductance of water 10,800 micromhos at 25°C. Well D-15(?), Bull. 5916.
935	Sun Production Co.	--	1934	175+	9	--	Qal	2,886	96.5	Nov. 16, 1956	T, E, 15	N	Owner's abandoned industrial water well No. 1, Howe "A" lease. Well D-178, Bull. 5916.
936	Ryder-Scott Mngmnt. Co.	--	old	--	9	--	Qal, Trdsr	2,865	75.0	Jan. 3, 1969	T, E, 25	Ind, S	Owner's water-flood well No. 1. Ryder-Scott lease. 6/
937	Mobil Oil Corp.	J. R. Marshall	1934	260	12	180	Qal?, Trdsr	2,880	70 102.4	1940 Dec. 20, 1968	N	N	Owner's abandoned water-flood well No. 3. Open hole 180 to 260 feet. Yield reported at 645 gal/min in 1940. Well D-146(?), Bull. 5916. 3/
938	Ormand Bros. Drilling Co.	--	1930+	100+	7	--	Qal	2,858	55.1	Jan. 3, 1969	S, E, 1	Ind	Owner's "Tank Battery" water well, Hendrick lease.
939	Sinclair Oil & Gas Co.	F. C. Ingham	1934	215	9	165	Qal, Trdsr	2,875	88.8	Oct. 22, 1956	N	N	Abandoned industrial water well. Open hole 165 to 215 feet. Well D-165, Bull. 5916. 3/
940	Sun Production Co.	--	1930+	175	7	175	Qal	2,862	59.8 63.2	Nov. 16, 1956 Feb. 28, 1969	N	N	Abandoned public-supply well at "Old Camp". Well D-234, Bull. 5916.
941	Gulf Oil Corp.	R. E. Griggs	1937	205	9	76	Qal, Trdsr?	2,865	--	--	N	N	Abandoned industrial well. Water well No. 3, Daugherty lease. Open hole 76 to 205 feet. Well D-238, Bull. 5916. Well now caved and is sealed. 3/
08-102	W. F. Scarborough Est.	J. D. Cole	1951	110	8	--	Qal	2,947	44.96 44.96	Jan. 6, 1957 June 6, 1957	N	N	Abandoned industrial well. Former rig supply well for Cities Services Oil Co. Well D-6. Bull. 5916. 1/
401	El Paso Natural Gas Co.	do	1949	166	16 12	107 167	Qal	2,938	64.48 64.92	Oct. 17, 1956 Jan. 15, 1981	T, E, 5	N, P, Ind	Owner's well No. 1. Former public supply and industrial plant and camp use. Screened from 127 to 167 feet. Well D-47, Bull. 5916. 4/
402	do	do	1949	433	16 12	110 224	Trdsr	2,938	145.63 187.20	Oct. 17, 1956 Jan. 8, 1980	T, E, 15	P, Ind	Owner's well No. 2. Reportedly pumped 40 to 100 gal/min. Open hole 224 to 433 feet. Well D-48, Bull. 5916. 4/ 6/
* 403	Mobil Oil Corp.	Behet & Matthews	1950	219	12 7	139 219	Trdsr, Qal	2,915	--	--	S, E, 25	P, Ind, Irr	Supplies gas plant and production office. Yield reported at 150 gal/min. Well D-139, Bull. 5916. Temp. 78°F. Aquifer test data. 3/
404	do	J. R. Marshall	1934	225	6	175	Qal, Trdsr?	2,918	89.1	Sept. 20, 1956	T, E, 5	P	Used by Girl Scouts during summer camp. Open hole 175 to 225 feet. Well D-141. Bull. 5916. 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-08-405	El Paso Natural Gas Co.	Layne-Texas Co.	1964	175	18 11	109 175	Qal	2,938	67	Jan. 31, 1968	T, E, 10	P, Ind	Owner's water well No. 7 at plant. Screened 143 to 173 feet. Yield reported at about 100 gal/min. 3/ 6/
407	Cabot Oil Co.	J. D. Cole	1947	230	16 11	158 230	Qal, Trdsr	2,930	82.6	Jan. 23, 1968	N	N	Abandoned industrial and public-supply well. Carbon plant water well No. 1. Slotted 144 to 226 feet. Well D-137, Bull. 5916. 3/ 6/
408	do	J. R. Marshall	1939	180	12 10	148 180	Qal	2,936	80.3	Feb. 20, 1969	T, E, 25	Ind	Owner's south well at gasoline plant. 6/
409	do	do	1939	180	12 10	148 180	Qal	2,936	85.4 79.0	Oct. 20, 1956 Feb. 20, 1969	T, E, 10	Ind	Owner's north well at gasoline plant. Perforated 148 to 180 feet. Yield reported at 100 gal/min on Feb. 20, 1969. Well D-136, Bull. 5916. 3/ 6/
501	Gulf Oil Co.	F. C. Ingham	1935	332	12 11 9 6	10 141 174 225	Qal, Trdsr	2,942	76.94 72.26	Oct. 23, 1956 Jan. 15, 1981	N	N	Abandoned industrial well. Owner's keystone water well No. 1. Open hole 225 to total depth. Well D-128, Bull. 5916. 4/ 6/
* 502	do	J. R. Marshall	1935	250	11 9	144 216	Trdsr, Qal	2,940	--	--	T, E, 25	Ind	Owner's keystone CC No. 2 water-flood well. Casing slotted 119 to 216 feet. Open hole 216 to 250 feet. Well D-129, Bull. 5916.
* 503	Mrs. J. B. Walton	--	old	188	6	--	Qal	2,934	80.3	Oct. 22, 1956	C, W	S	Owner's "Section two" mill. Well D-131, Bull. 5916.
* 504	Carter Foundation	J. D. Cole	1968	415	11 9	210 310	Trdsr	2,950	100	Jan. 31, 1968	T, E	P	Camp well No. 3. Open hole 310 to 415 feet. Yield reported at 38 gal/min on Jan. 15, 1969.
505	do	--	1936	248	6	--	Qal	2,958	--	--	C, E, 5	P	Owner's standby well No. 2.
506	do	--	old	465	16 11	219 465	Qal? Trdsr	2,942	--	--	T, E, 30	Ind	Owner's water-flood well No. 2-9, Walton lease.
507	Perry R. Bass	Huff Water Well Service	1963	207	11 9	152 207	Qal	2,940	91.5	Jan. 14, 1969	T, E, 15	P	Owner's water well No. 1, Humble-Walton lease. Slotted 147-207 feet. Yield reported at 250 gal/min in 1963. 6/
701	Cabot Oil Co.	--	1930+	215	11	--	Qal, Trdsr	2,914	76.0 83.6	Oct. 20, 1956 Jan. 14, 1969	N	N	Abandoned public-supply well at old camp. 6/
703	Standard of Texas	--	1956	160	9	--	Qal	2,910	78.9 88.7	Jan. 25, 1956 Feb. 19, 1969	N	N	Abandoned industrial well formerly used as rig supply. Well D-188, Bull. 5916. 6/
705	D. W. Westbrook	J. D. Cole	1953	200	7 6	148 200	Qal?, Trdsr	2,984	79.3	Nov. 17, 1956	T, E, 7½	N	Unused industrial water-flood well. Slotted 132 to 200 feet. Well D-220, Bull. 5916.
706	Sinclair Oil Co.	do	1965	175	11 7	149 175	Qal	2,870	--	--	T, E, 3	Ind	Owner's water-flood well No. 3. 6/
* 707	Bashara & Prothro Oil Co.	--	1950+	160	7	--	Qal	2,884	68.8	Nov. 21, 1956	T, E, 3	D, Ind	Owner's water well No. 1, "A" fee lease. Well D-214, Bull. 5916.
801	do	Harry Bass	1938	202	9 4	168 187	Qal	2,930	86.8	Nov. 11, 1956	N	N	Unused industrial well formerly used for rig supply. Yield reported at 58 gal/min. Open hole 187 to 202 feet. Well D-133, Bull. 5916. 3/
802	Carter Foundation	Carter Foundation	1930+	308	13 9	168 308	Qal?, Trdsr	2,936	91.1	Jan. 15, 1969	N	N	Abandoned industrial well formerly used for water-flood operation. Well originally drilled to 923 feet and plugged back to present depth. Owner's well No. 9-1 WFW, J. B. Walton lease.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-08-803	Standard of Texas	J. R. Marshall	1940	195	9 7	167 195	Qal, Trdsr	2,923	--	--	T, E, 5	P	Owner's Baird water well No. 3 at office. Perforated 165 to 195 feet. Well D-191, Bull. 5916. 3/ 6/
805	do	Sidwell & Imler	1952	409	13 10	203 387	Trdsr	2,910	100.7 99.6	Nov. 14, 1956 Jan. 15, 1969	N	N	Abandoned industrial well. Owner's water well No. 6. Well D-194, Bull. 5916. 3/
806	do	Bylcyrus Erie Drilling Machine Co.	1951	425	13	425	Trdsr	2,920	86.9	Jan. 15, 1969	N	N	Abandoned industrial well. Owner's well No. 5, Baird. Well D-196, Bull. 5916. 3/ 6/
* 807	do	Sidwell & Imler	1952	412	13 10	240 406	Trdsr	2,923	123.1	Nov. 14, 1956	T, E, 20	Ind	Owner's water-flood well, Baird No. 7 WW. Perforated 252 to 406 feet. Well D-197, Bull. 5916. 3/
809	Texaco Inc.	J. D. Cole	1961	440	9	274	Trdsr	2,906	145.3	Jan. 16, 1969	S, E, 7½	Ind	Owner's plant well No. 1, main plant. Open hole 274 to 440 feet. 3/ 6/
810	do	Dixon Pump & Drilling Co.	1968	220	11	175	Qal	2,906	73.9	do	S, E, 10	Ind	Owner's plant well No. 2. Open hole 175 to 220 feet. Well possibly 5 feet into Santa Rosa Sandstone. 3/ 6/
811	do	--	1957	100	6	--	Qal	2,910	68.7 69.4	June 8, 1957 Jan. 16, 1969	N	N	Unused industrial well formerly used a rig supply. Well D-207, Bull. 5916. 6/
* 812	do	Bob Glynn	1935	140	7	--	Qal	2,892	71.5 69.4	Oct. 24, 1956 Dec. 20, 1967	T, E, 3	Ind	Well D-209, Bull. 5916.
813	Standard Oil of Texas	--	--	200	9	--	Qal, Trdsr	2,908	--	--	T, E, 30	Ind	Owner's "main gas plant" well. 6/
814	do	--	--	400	9	--	Trdsr	2,906	--	--	C, E, 40	Ind	Owner's "plant yard" standby well.
* 901	Seth Campbell Est.	O. C. Reynolds	1938	180	7	180	Qal	2,908	62.4 63.2	Dec. 6, 1956 Feb. 27, 1969	C, W	S	Owner's "north pasture" mill. Well D-206, Bull. 5916.
14-601	J. E. Haley	--	1947	200	6	--	Trdsr?	2,855	156.63 158.10	Sept. 13, 1956 Nov. 13, 1975	C, W	S	Well F-4, Bull. 5916. 3/ 6/
* 15-201	F. M. Roark	--	1948	90	6	20	Qal	2,865	59.9 66.8	Sept. 11, 1956 Dec. 13, 1968	C, W	S	Owner's "section 29" windmill. Well C-50, Bull. 5916.
* 202	do	--	old	230	6	64	Qal	2,838	83.7 77.4	Sept. 11, 1956 Feb. 27, 1969	S, E, ½	S	Owner's "section 17" windmill. Open hole 64 to 230 feet. Well C-46, Bull. 5916.
* 301	Mrs. J. B. Walton	--	1900+	155	6	--	Qal	2,860	29.7 41.1	Nov. 15, 1956 July 25, 1969	C, W	S	Owner's "section 23" windmill. Well D-240, Bull. 5916.
303	Harlan Producing Co.	J. D. Cole	1957	148	7	100	Qal	2,857	44.3 54.4	Jan. 31, 1957 Jan. 6, 1969	S, E, 5	N	Unused industrial well. Water reported contaminated by surface salt-water pits. Open hole 100 to 148 feet. Well D-245, Bull. 5916. 6/
304	Anadarko Prod. Co.	do	1954	150	9	96	Qal	2,854	47	1954	T, E, 10	Ind	Owner's Clapp-Walton WFW No. 1. Open hole 96 to 150 feet. Well D-250, Bull. 5916. 6/
305	do	Bert Fields Prod. Co.	1930+	150	7	150	Qal	2,856	56.5	Jan. 8, 1969	T, E, 10	N	Unused industrial well. Owner's WFW No. 2. Well formerly used in water-flood operations.
306	Getty Oil Co.	Bob Glynn	1951	285	7	147	Qal, Trdsr?	2,865	--	--	N	N	Unused industrial well. Owner's WFW No. 3. Open hole 147 to 285 feet. Well D-228, Bull. 5916. 3/
* 309	Mrs. J. B. Walton	Ambassador Oil Co.	1950+	106	7	--	Qal	2,856	52.4 61.3	Oct. 19, 1956 Jan. 3, 1969	C, W	S	Owner's "section 26" windmill. Well D-251, Bull. 5916.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-15-310	Gulf Oil Corp.	J. R. Marshall	1937	200	9	68	Qal, Trdsr	2,855	43.1 50.5	Feb. 1, 1968 Jan. 7, 1969	N	N	Unused industrial water-flood well No. 3, O. Clapp lease. Open hole 68 to 200 feet. Yield reported at 55 gal/min. 3/
311	do	do	1936	199	11	85	Qal, Trdsr	2,854	43.7 41.4	Nov. 16, 1956 June 11, 1957	N	N	Unused industrial water-flood well No. 2, O. Clapp lease. Open hole 85 to 199 feet. Well D-249, Bull. 5916.
313	Texas Pacific Coal & Gas Co.	--	old	240	9	--	Trdsr	2,838	33	--	T, E, 7½	Ind	Owner's WFW No. 1. 3/ 6/
* 315	KERB Radio Station	--	old	250	7	--	Qal, Trdsr	2,836	40.7	Jan. 21, 1969	J, E, 3/4	S	Temp. 84°F.
326	Maxwell Oil Co.	--	1936	110	7	70	Qal	2,862	55 59.0	Nov. 1956 Jan. 7, 1969	N	N	Abandoned former industrial water-flood well. Well D-243, Bull. 5916. Water became saline. 6/
* 329	Troy L. Ladin	B. Carr	old	306	7	306	Trdsr	2,838	41.8	Feb. 28, 1969	S, E, 1	D	Temp. 70°F.
330	Sinclair Oil & Gas Co.	--	1939	150	7	136	Qal	2,838	--	--	T, E, 15	Ind	Owner's water well No. 1, Vaden "B" lease. Open hole 136 to 150 feet. 3/
* 501	F. M. Roark	--	1953	130	6	--	Qal	2,832	118.30 104.0	Sept. 12, 1956 Dec. 12, 1968	C, W	S	Well F-9, Bull. 5916. 1/
* 502	do	--	old	224	6	--	Qal	2,825	47.3 44.3	Sept. 19, 1956 Apr. 23, 1969	C, W	S	Well F-14, Bull. 5916.
* 505	Winkler Co. Country Club	Bob Glynn	1946	190	7	--	Qal	2,840	103.80 93.01	Feb. 7, 1968 Jan. 15, 1981	S, E	Irr	Well F-8. Bull. 5916. 4/
* 601	Sinclair Oil & Gas Co.	John J. Bush	--	200	8	200	Qal	2,847	20.42	Nov. 20, 1956	N	N	Abandoned industrial well. Well G-2, Bull. 5916. 1/
* 603	The Texas Pipeline Co.	H. E. Turbeville	1954	248	11 9 7	70 217 243	Qal, Trdsr?	2,825	31.2	Jan. 15, 1958	T, E	Ind, Irr	Owner's "plant water well". Screened 217 to 243 feet. Well G-38, Bull. 5916. 3/
605	Humble Oil and Refining Co.	--	1950+	200±	7	--	Qal, Trdsr?	2,830	41.4	July 25, 1969	T, E, 5	Ind	Owner's industrial water-flood well No. 1, Colby "B" lease. 6/
606	do	--	1950+	200	7	--	Qal, Trdsr?	2,830	--	--	T, E, 5	Ind	Owner's industrial water-flood well No. 2, Colby "B" lease. 6/
607	Continental Oil Co.	J. R. Marshall(?)	1930+	180	6	178	Qal	2,830	--	--	C	N	Abandoned industrial former water-flood well. Perforated 160 to 170 feet. 3/
608	Gulf Oil Corp.	--	old	160	7	--	Qal	2,840	29.3	Nov. 6, 1956	N	N	Abandoned industrial well. Formerly supplied water for drilling oil tests. Well G-43, Bull. 5916.
801	Chevron Pipe Line Co.	L. F. Buchanan	1928	438	7	--	Qal	2,808	61.4	Dec. 12, 1968	N	N	Temporarily abandoned industrial well. Owner's water well No. 1. Well F-19, Bull. 5916. 3/ 6/
802	do	do	1928	542	7	--	Qal	2,808	--	--	N	N	Abandoned industrial well No. 2. Yield reported at 25 gal/min. Well F-20. Bull. 5916. 3/ 6/
* 803	do	Layne-Texas Co.	1953	468	12 7	408 441	Qal	2,812	47 46.4	Sept. 28, 1953 Jan. 17, 1968	S, E	Ind, D	Owner's water well No. 4. Screened 418 to 438 feet. Well F-18, Bull. 5916. 3/
* 901	Humble Oil and Refining Co.	--	1927	185	7	185	Qal	--	13.75	Nov. 6, 1956	N	N	Abandoned industrial well. Reported salt water. Well G-52. Bull. 5916. 1/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-15-909	City of Wink	J. D. Cole	1953	240	16 11	180 240	Qal	2,790	90	Sept. 1956	T, E, 10	P	Owner's well No. 5. Slotted 180 to 240 feet. Yield reported at 125 gal/min. Well G-110, Bull. 5916. 6/
* 910	do	do	1955	240	16 7	183 240	Qal	2,791	90	do	T, E, 10	P	Owner's well No. 6. Slotted 183 to 240 feet. Yield reported at 125 gal/min with 70 feet of drawdown on Apr. 28, 1969. Well G-111, Bull. 5916.
913	Wink Independent School Dist.	--	1929	297	11	--	Qal	2,782	61.2	Apr. 29, 1969	S, E, 5	P	Owner's well No. 1. Yield reported at 60 gal/min. 6/
914	L. M. Anderson	--	old	219	7	--	Qal	2,798	59.5 56.8	Sept. 19, 1969 Apr. 29, 1969	N	N	Abandoned industrial well. Formerly supplied water for ice house. Well F-16, Bull. 5916. 6/
916	Gulf Oil Corp.	--	1937	273	7 5	174 273	Qal	2,823	20.7 23.0	Nov. 6, 1956 Jan. 16, 1968	C	N	Abandoned industrial well. Owner's water well No. 1 slotted from 174 to 273 feet. Well G-47, Bull. 5916. 6/
919	City of Wink	Roy Kent	1976	350	11	350	Qal	2,790	88	Apr. 11, 1977	--	P	Drawdown 120 feet on 40-hour test pumping 220 gal/min. 3/
16-101	City of Kermit	Homer Schutten	1957	405	16	230	Trdsr	2,845	90.00 86.55	Aug. 16, 1957 Jan. 15, 1981	T, E, 40	P	Owner's Santa Rosa No. 3. Pumped 1,500 gal/min. Open hole 230 to 405 feet. Yield 1,500 gal/min. Well D-277, Bull. 5916. 4/
102	do	Robert Glynn	1949	300	14	220	Qal, Trdsr	2,845	62.10 67.79	Mar. 18, 1957 Jan. 7, 1980	T, E, 25	P	Owner's Underwood No. 2. Pumped 278 gal/min. Open hole 220 to 300 feet. Well D-278, Bull. 5916. 3/ 4/ 6/
103	do	J. D. Cole	1952	300	14	173	Qal, Trdsr	2,845	61.80 69.06	Mar. 18, 1957 Jan. 7, 1980	T, E, 25	P	Owner's Underwood No. 3. Open hole 173 to 300 feet. Yield reported at greater than 300 gal/min. Well E-54, Bull. 5916. 3/ 4/ 6/
* 104	do	Bud Carr & J. D. Cole	1957	559	9	262	Trdsr	2,857	107.75 128.05	Apr. 26, 1957 Jan. 7, 1980	T, E, 40	P	Owner's Santa Rosa No. 1. Open hole 262 to 559 feet. Yield reported at 300 gal/min on 12-hour test with drawdown to 205 feet. Well D-291, Bull. 5916. 4/
* 105	do	J. D. Cole	1957	400	13	172	Trdsr, Qal	2,845	57.56 63.50	Jan. 3, 1958 Jan. 28, 1969	T, E, 25	P	Owner's Underwood No. 6. Well deepened from 300 to 400 feet in 1961. Open hole 172 to 400 feet. Well D-281, Bull. 5916. 5/
106	Sinclair Oil & Gas Co.	J. R. Marshall	1936	165	6	129	Qal	2,875	75.3	Jan. 9, 1969	N	N	Abandoned industrial well. Formerly owner's water-flood well No. 1, Walton "B" lease. Well D-223, Bull. 5916. 3/
107	J. M. Sharp Oil Co.	--	--	--	7	--	Qal?	2,878	80.2	do	N	N	Abandoned industrial well. Formerly owner's water-flood well No. 1. Well D-219, Bull. 5916.
108	D. W. Westbrook	--	1936	150	9	120	Qal	2,875	65	Oct. 19, 1956	S, E, 5	N	Former industrial water-flood well No. 2 of Rockhill Oil Co. Open hole 120 to 150 feet. Well D-224, Bull. 5916. 6/
109	do	--	1936	150	9	120	Qal	2,875	65	Oct. 1956	T, E, 7½	N	Former industrial water-flood well No. 1 of Rockhill Oil Co. Open hole 120 to 150 feet. Well D-225, Bull. 5916.
110	Humble Oil and Refining Co.	F. C. Ingham	1936	301	9 7	167 301	Trdsr	2,870	72.4	Nov. 22, 1956	T, E, 10	Ind	Owner's water-flood well No. 1. Slotted 274 to 301 feet. Well D-218, Bull. 5916. 3/ 6/
111	do	R. E. Riggs	1936	300	9 7	163 300	Trdsr	2,868	--	--	T, E, 7½	Ind	Owner's water-flood well No. 3 of Kermit water-flood system No. 6. Well D-217, Bull. 5916. 3/ 6/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-16-112	Humble Oil and Refining Co.	J. D. Cole	1960	300	7	179	Qal, Trdsr	2,868	75	1960	T, E, 5	Ind	Owner's water-flood well No. 4 of Kermit water-flood system No. 6. Open hole 179 to 300 feet. 3/
113	do	do	1960	300	7 6	178 300	Qal, Trdsr	2,870	75 79.8	1960 Jan. 17, 1969	S, E, 5	Ind	Owner's water-flood well No. 5 of Kermit water-flood system No. 6. Slotted 178 to 300 feet. Yield reported at 50 gal/min with 25 feet of drawdown. 3/ 6/
115	Maxwell Oil Co.	--	1936	163	--	--	Qal	2,858	--	--	T, E,	Ind	Owner's "Maxwell watet flood" well. 6/
* 116	Shennandoah Oil Co.	D. E. Huff	1962	259	7	126	Qal, Trdsr	2,850	69	Feb. 21, 1969	T, E, 10	D, Irr	Temp. 76°F. Open hole 126 to 259 feet.
118	Maxwell Oil Co.	--	1935	150	7	75?	Qal	2,850	60.9	Nov. 16, 1956	S, E, 5	Ind	Owner's "Red Tank" water well. Open hole from about 75 to 150 feet. Well D-265, Bull. 5916. 6/
120	City of Kermit	Kermit Oil & Devel. Co.	1929	700	13	274	Trdsr	2,850	63.3 123.9	Oct. 7, 1939 Mar. 23, 1969	T, E, 25	P	Owner's Underwood No. 1. Open hole 274 to 700 feet. Yield reported at 404 gal/min with 22 feet of drawdown in 24 hours. Well D-279, Bull. 5916. 6/
* 121	Texas Department of Highways and Public Transportation	J. D. Cole	1958	150	7	--	Qal	2,843	63.7	Feb. 28, 1969	S, E	D, Ind, Irr	Temp. 73°F.
* 122	P&N Truck Co.	D. E. Huff	1964	225	7	151	Qal	2,850	70	Oct. 22, 1964	S, E, 5	Ind	Temp. 76°F. Owner's "Truck Yard" well. Open hole 151 to 225 feet. Yield reported at 105 gal/min when drilled. 3/
126	Western Well Service	Noll Drilling Co.	1957±	256	7	256	Qal, Trdsr?	2,853	57.3	Feb. 28, 1969	S, E, 10	Ind, P	6/
127	City of Kermit	Glynn & Wade Drilling Co.	1948	525	13 12	197 235	Qal, Trdsr	2,852	69.9 66.8	Apr. 15, 1960 Mar. 23, 1969	T, E, 40	P	Owner's Underwood No. 4 (cemetery well). Well deepened from 300 to 525 feet in 1961. Open hole 235 to 525 feet. Well D-283, Bull. 5916. 3/
128	do	Permian Well Service	1946	525	13	236	Trdsr	2,853	68 90.9 135.6	1948 Nov. 23, 1956 May 2, 1969	T, E, 25	P	Owner's Underwood No. 5. Well deepened from 501 to 525 feet in 1961. Open hole 236 to 525 feet. Well D-280, Bull. 5916. 3/ 6/
129	do	Layne-Texas Co.	1961	497	16	260	Trdsr	2,858	163 151.0	June 28, 1961 Apr. 23, 1969	T, E	P	Owner's Santa Rosa No. 4. Open hole 260 to 497 feet. Yield reported at 627 gal/min with draw-down of 227 feet. 3/
130	do	--	old	700	--	--	Qal?, Trdsr	2,858	115.9 150.8	July 9, 1957 Mar. 23, 1969	T, E, 20	P	Owner's Walton No. 1. Yield reported at 159 gal/min in 1954. Well D-293, Bull. 5916. 6/
131	do	Crandell, Osmond, & J. C. Marshall	1935	471	20 13	187 397	Trdsr	2,858	88.7	Jan. 27, 1969	T, E	P	Owner's Walton No. 2. Plugged back to 471 feet. Open hole 397 to 471 feet. Yield reported at 207 gal/min in 1954. Well D-292, Bull. 5916. 3/ 6/
132	do	R. Glenn & M. H. Wade	1948	350	14 10	236 350	Qal?, Trdsr	2,862	71.4 68.7	Oct. 11, 1956 Mar. 6, 1969	T, E, 30	P	Owner's Community No. 1. Slotted 250 to 350 feet. Yield reported at 447 gal/min in 1954. 3/
133	do	Glenn & Wade	1948	312	13 9	257 288	Qal?, Trdsr	2,865	67.7 70.1	Mar. 18, 1957 Mar. 6, 1969	T, E, 30	P	Owner's Community No. 2. Screened 265 to 285 feet. Well reworked in 1955. Well D-272, Bull. 5916. 3/
138	Kermit Public School District	--	old	235	11	--	Qal	2,855	--	--	T, E, 7½	P	Owner's Intermediate school water well No. 1. 6/
139	Kermit Public School System	J. R. Marshall	1936	235	9	235	Qal	2,855	51.8 46.2	Apr. 25, 1957 May 2. 1969	T, E, 7½	N	Temporarily abandoned public-supply well. On standby. Slotted 218 to 235 feet. Yield reported at 80 gal/min. Well D-275, Bull. 5916.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-16-141	Sinclair Oil & Gas Co.	J. R. Marshall	1936	178	6	133	Qal	2,875	75.8 74.9	Oct. 19, 1956 Jan. 9, 1969	T, E	Ind	Owner's water-flood well No. 2, Walton "B" lease. Open hole 133 to 178 feet. Well D-222, Bull. 5916. 3/ 6/
142	Getty Oil Co.	J. D. Cole	1952	355	7	160	Qal, Trdsr	2,868	69.0	Jan. 7, 1969	T, E, 10	Ind	Owner's water-flood well No. 4. Open hole 160 to 355 feet. Yield reported at 78 gal/min in 1952. Well D-227, Bull. 5916. 6/
143	do	Eastland Oil Co.	1936	300	9 7	152 210	Qal?, Trdsr	2,865	--	--	N	N	Abandoned former industrial water-flood well No. 1. Slotted 148 to 210 feet. Open hole 210 to 300 feet. Initial yield 31 gal/min. Well D-226, Bull. 5916.
144	Humble Oil and Refining Co.	F. C. Ingham	1936	175	9 7	132 175	Qal	2,857	--	--	T, E, 10	Ind	Owner's water-flood well No. 1, Colby "A" lease. Perforated 122 to 166 feet. Well D-270, Bull. 5916. 3/ 6/
145	George L. Buckles Oil Co.	Ed Henderson	1958	250	7	250	Qal, Trdsr	2,842	52.5	Feb. 20, 1969	S, E, 10	Ind	Owner's water-flood well No. 1. 6/
146	do	do	1958	285	7	285	Qal, Trdsr	2,842	50	1968	T, E, 5	Ind	Owner's water-flood well No. 3. 6/
147	Maxwell Oil Co.	--	1956	270	7	--	Qal, Trdsr	2,850	--	--	T, E, 5	Ind	Owner's disposal plant well. 6/
148	do	--	1935	190	7	--	Qal	2,850	50.9 60.4	Nov. 15, 1956 Feb. 21, 1969	N	N	Owner's abandoned industrial disposal plant well. Well D-266, Bull. 5916.
149	Humble Oil and Refining Co.	R. E. Griggs	1936	300	9 7	152 300	Qal, Trdsr	2,858	68.5	Feb. 19, 1969	S, E	Ind	Owner's water-flood No. 3, Colby "A" lease. Slotted 164 to 300 feet. Well D-269, Bull. 5916. 3/ 6/
150	Veterans of Foreign Wars	J. D. Cole	1954	200	7	--	Qal	2,843	42.6 63.5	Oct. 11, 1956 Feb. 27, 1969	S, E	P, D	Well D-260. Bull. 5916.
152	J. R. Marshall	J. R. Marshall	1934	237	7	227	Qal	--	--	--	N	N	Abandoned public-supply well. "Old Marshall" well. Open hole 227 to 237 feet. 6/
153	Skelly Oil Co.?	J. D. Cole	1954	210	7	--	Qal, Trdsr	2,838	40.0	Feb. 20, 1969	C, E, 5	Ind	"Pumpjack water well". Well D-258, Bull. 5916. 6/
201	City of Kermit	Homer Schutten	1957	394	16	265	Trdsr	2,868	129.50 134.96	July 28, 1957 Jan. 7, 1980	T, E, 40	P	Owner's Santa Rosa No. 2, "Park well". Pumped 2,500 gal/min. Open hole 265 to 394 feet. Well D-299, Bull. 5916. 4/ 6/
* 202	Video Independent Theaters, Inc.	Bob Glynn	1952	215	9	215	Qal	2,880	--	--	T, E, 5	P	Temp. 88°F.
213	Winkler County	J. D. Cole	1953	420	16 14	190 275	Trdsr	2,868	62 163	Nov. 1953 Aug. 1966	T, E, 40	P, Irr	Owner's "Park" water well No. 1. Open hole 275 to 420 feet. Well was originally 252 feet deep. It was deepened in 1957 and new casing set. Yield reported at 268 gal/min with 105 feet of drawdown in Aug. 1966. Well D-298, Bull. 5916. 3/ 6/
214	Kewanee Oil Co.	Noll Drilling Co.	1967	213	9	213	Qal	2,858	40 67.0	1962 Apr. 30, 1969	S, E, 5	N	Abandoned industrial water-flood well No. 1. 6/
216	Video Independent Theatres, Inc.	Bob Glynn	1952	225	9	225	Qal	2,872	67.3	Feb. 21, 1969	N	N	Abandoned public-supply well at drive-in. 6/
217	Buster's Well Service	--	1960	200+	7	--	Qal	2,850	55.0	Apr. 30, 1969	S, E, 2	Ind, D	--

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-16-218	J. B. Walton Est.	Glenn & Wade	1948	335	13 10	278 335	Trdsr	2,864	96.1	Feb. 15, 1957	N	N	Abandoned public-supply well. Former city of Kermit Walton water well No. 3. Well D-296, Bull. 5916. 3/
219	Kermit High School	J. D. Cole	1950	250	16 11	-- --	Qal, Trdsr	2,865	--	--	T	N	Abandoned public-supply well at high school. Yield reported at 600 gal/min when drilled. Well D-295, Bull. 5916.
* 301	Seth Campbell Est.	--Wade	1935	168	7	--	Qal	2,864	55 62.9	Mar. 11, 1940 Feb. 25, 1969	C, W	S	Temp. 71°F. Well D-307, Bull. 5916.
401	George L. Buckles Oil Co.	Ed Henderson?	old	91	7	--	Qal	2,838	46.0	Feb. 20, 1969	S, E, 5	Ind	Owner's water-flood well No. 2. 6/
403	Humble Oil and Refining Co.	N. B. Oliver	1928	110	9 7	45 70	Qal	2,840	43.9 48.9	Oct. 11, 1956 Apr. 22, 1969	C, E, 5	N	Former industrial well. Owner's water well No. 4. Open hole 70 to 110 feet. Well G-10, Bull. 5916. 3/ 6/
* 404	Amerada Petr. Co.	--	1930+	300+	9	--	Qal, Trdsr	2,835	100	1968	T, E, 5	Ind	Owner's water-flood well No. 1.
405	Humble Oil and Refining Co.	J. D. Cole	1960	106	13 7	13 106	Qal	2,835	45 52.4	1960 July 25, 1969	T, E, 7½	Ind	Owner's water-flood well No. 1, Walton "A" lease. Slotted 56 to 106 feet. 3/ 6/
406	do	D. E. Huff	1965	263	10 7	85 263	Qal, Trdsr	2,830	96.6	do	S, E, 7½	Ind	Owner's water-flood well No. 2, Walton "A" lease. Slotted 85 to 263 feet. 6/
407	do	--	1928	105	9 7	41 105	Qal	2,838	38.1 42.9	Nov. 3, 1956 Apr. 22, 1969	N	N	Unused industrial well formerly used as a rig supply source. Well G-11, Bull. 5916. 3/
408	Shell & Phillips Oil Co.	--	--	96	11	--	Qal	2,820	39.4 42.7	Nov. 3, 1956 Apr. 29, 1969	N	N	Unused industrial well formerly used as a rig supply source. Well G-35, Bull. 5916.
* 501	West Texas Gathering Co.	J. D. Cole	1960	244	7	244	Trdsr, Qal	2,830	58.4	Apr. 30, 1969	S, E, 1	Ind, D	Temp. 73°F.
502	Northern Natural Gas Plant	D. E. Huff Drilling Co.	1967	138	7	138	Qal	2,838	60	1967	N	N	Former industrial well. Owner's well No. 1. Slotted 80 to 138 feet.
503	do	Layne-Texas Co.	1964	165	7	165	Qal	2,838	59.2	Feb. 7, 1968	N	N	Former industrial well. Owner's well No. 2. Screened 135 to 155 feet. Yield reported at 50 gal/min with 51.7 feet of drawdown in 1964. 3/ 6/
* 504	do	Abbott Brothers Drilling Co.	1968	440	30 16 9	24 207 440	Trdsr	2,838	105.0	July 31, 1968	S, E, 15	Ind	Temp. 83°F. Owner's plant well No. 3. Slotted 364 to 440 feet.
505	Humble Oil and Refining Co.	J. J. Harrell	1950	125	11 7	10 125	Qal	2,822	58.7	Oct. 24, 1956	T, E, 15	Ind	Owner's water-flood well No. 1. Slotted 85 to 125 feet. Yield reported at 40 gal/min on Apr. 30, 1969. Well G-28, Bull. 5916. 3/ 6/
506	Earl Vest	Moore & Russell	1956	402	16 7	-- 402	Qal?, Trdsr	2,822	67.7	Apr. 30, 1969	N	N	Abandoned industrial well. Owner's water well No. 1. Slotted 275 to 290 and 395 to 402 feet.
* 509	Home Trailer Court (J. W. Mahan)	J. D. Cole?	--	500±	7	--	Trdsr	2,850	112.3	do	S, E, 1	P, Irr	Temp. 74°F. Owner's north well or No. 1.
* 602	Seth Campbell Est.	--Wade	1935	168	6	--	Qal	2,848	67.7 66.3	Oct. 24, 1956 Feb. 25, 1969	C, W	S	Owner's second south pasture well. Well G-19, Bull. 5916.
701	Pan American Oil Co.	--	old	80	7	--	Qal	2,823	29.8	Nov. 11, 1956	N	N	Abandoned industrial well formerly used in water-flood operations. Well G-53, Bull. 5916.

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

	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)			Above (+) or below land surface datum (ft)	Date of measurement			
	ZP-46-16-702	Bates-Reading Oil Co.	E. W. Wade	--	--	--	--	--	2,825	--	--	S, E	Ind, Irr	Owner's water-flood well No. 1.
	703	Phillips Petr. Corp.	J. D. Cole	1968	217	13 9	131 217	Qal, Trdsr	2,818	56	Dec. 14, 1968	T, E, 42	Ind	Owner's water well No. 1, east well. Well drilled to 505 feet, then plugged back to 217 feet. Slotted 137 to 147 and 162 to 208 feet. Yield reported measured at 150 gal/min with 44 feet of drawdown on 21-hour test on Dec. 14, 1968.
*	704	do	do	1968	165	13 9	102 165	Qal	2,816	40.6	Apr. 29, 1969	S, E	Ind	Owner's well No. 2, west well. Well drilled to 495 feet. Reported dry in Santa Rosa Sandstone and plugged back to 165 feet. Casing slotted 132 to 140 and 155 to 160 feet. Yield reported at 60 gal/min.
	705	Earl Vest	Matthews Drilling Co.	1960	258	9	258	Qal, Trdsr	2,815	40	May 14, 1960	N	N	Abandoned industrial well. Formerly old Phillips plant water well No. 3. Well originally drilled to 380 feet, then plugged back to present depth. Perforated 135 to 155 and 185 to 205 feet. Yield reported at 80 gal/min with 187 feet of drawdown in May 1960. 3/ 6/
	706	do	Homer Schutten	1961	185	13	138	Qal, Trdsr	2,810	45.0	Sept. 27, 1961	N	N	Abandoned industrial well. Formerly old Phillips plant water well No. 5. Open hole 138 to 185 feet. Yield reported at 80 gal/min with 141 feet of drawdown. 3/ 6/
*	707	do	--	old	120	6	--	Qal	2,818	44.3 50.0	Oct. 23, 1956 Apr. 30, 1969	C, W	S	Owner's "section 37 windmill". Well G-33, Bull. 5916.
*	709	do	--	old	100	6	100	Qal	2,800	38.4 45.9	Oct. 23, 1956 July 24, 1969	N	N	Abandoned livestock well. Well G-61, Bull. 5916.
	710	Continental Oil Corp.	Bob Clark	1958	300	7	--	Qal, Trdsr	2,803	50.2	July 24, 1969	T, E, 20	Ind	Owner's water-flood well, E. W. Cowden lease. 6/
*	802	Earl Vest	--	old	90	6	--	Qal	2,785	64.6 62.9	Dec. 16, 1956 Apr. 25, 1969	C, W	S	Owner's "Weisman mill." Well G-71, Bull. 5916.
	901	G. P. Mitchell	Hunt Oil Co.	1946	120	7	--	Qal	2,805	70.21 68.95	Mar. 19, 1957 Jan. 7, 1980	N	N	Abandoned industrial well which formerly supplied water for drilling oil tests. Well G-77, Bull. 5916. 4/
*	22-601	The University of Texas	--	old	128	--	--	Trdsr	2,775	115.34 113.63 112.25	Sept. 9, 1940 Jan. 8, 1980 Jan. 15, 1981	C, W	S	Temp. 72°F. Well F-41, Bull. 5916. 4/
*	801	Anderson Ranch	L. F. Buchanan	1940	151	6	--	Trdsr?	2,783	108.6 108.7	Sept. 20, 1956 Oct. 2, 1967	C, W	S	Well F-43, Bull. 5916. 3/ 6/
	23-301	Humble Oil and Refining Co.	--	1942	150	9	150	Qal	2,750	33.5 36.5	Oct. 8, 1956 Apr. 23, 1969	S, E, 1	N	Temporarily abandoned public-supply well, "Old Humble Camp" well.
	302	City of Wink	H. W. Schutten	1957	345	16 10	270 345	Qal	2,785	85 69.2	Aug. 1958 Apr. 28, 1969	S, E, 20	P	Owner's well No. 7 or south well. Slotted 270 to 345 feet. Yield reported at 550 to 600 gal/min. 3/ 6/
*	303	do	Noll Drilling Co.	1963	406	9	406	Qal	2,785	71.3	Apr. 20, 1969	S, E, 12	P	Owner's well No. 9. Screened from 314 to 334 and 382 to 402 feet. Temp. 81°F. Yield reported at 80 gal/min. 3/

See footnotes at end of table.

Table 5.--Records of Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas--Continued

WINKLER COUNTY

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)			Above (+) or below land surface datum (ft)	Date of measurement			
ZP-46-23-304	M. E. Hammer	Dixon Water Well Co.	1930+	210	6	--	Qal	2,784	60.54 68.47	Apr. 29, 1969 Jan. 16, 1981	T, E	Irr	Temp. 65°F.
305	City of Wink	--	old	250	9	--	Qal	2,788	48.3 56.0	May 12, 1956 Apr. 28, 1969	T, E, 7½	P	Owner's "Stanolind water well." Yield reported greater than 200 gal/min with 120 feet of drawdown. Well F-33. Bull. 5916. 6/
* 701	Anderson Ranch	--	1938	160	6	--	Trdsr	2,732	77.95 82.48	Sept. 20, 1950 Jan. 15, 1981	C, W	S	Temp. 71°F. Well F-44, Bull. 5916. 4/
* 801	Phillips Petroleum Co.	--	1955	200	10	--	Trdsr	2,760	162.5 164.4	Sept. 21, 1957 Sept. 14, 1967	N	N	Former industrial rig-supply well. Well F-46, Bull. 5916.
901	Mobil Oil Co.	Mobil Oil Co.	--	159	8	--	Qal	--	112.5	Sept. 14, 1967	N	N	Former industrial rig-supply well. Owner's George Sealy E water well No. 1.
* 905	John Witt	Mr. Hamblin	1956	400	12	--	Qal	--	110.18 106.90	Feb. 26, 1957 Dec. 9, 1968	T, G	Irr	
24-101	Humble Oil and Refining Co.	Earnest Oliver	1929	290	7 6	280 290	Qal	2,736	24.3 35.1	Oct. 4, 1956 July 24, 1969	C, E	Ind, S	Well G-120, Bull. 5916. 3/
* 201	Earl Vest	Bill Batey	1950	175	6	--	Qal	2,758	60.8 55.3	Oct. 3, 1956 Apr. 25, 1969	S, E, 1	D, S	Producing intervals 155 to 175 feet. Temp. 75°F. Well G-86, Bull. 5916.
* 202	do	--	1944	110	7	100	Qal	2,758	64.0 59.3	Oct. 9, 1956 Apr. 25, 1969	C, W & S, E, ½	S, Irr	Owner's yard well. Open hole 100 to 110 feet. Well G-87, Bull. 5916.
* 301	G. P. Mitchell	Bill Batey	1939	101	6	--	Qal	2,757	51.60 51.26	Oct. 5, 1956 Jan. 15, 1981	C, W	S	Well G-129, Bull. 5916. 4/
816	Gulf Oil Corp.	--	1962	4,400	20 13 10	515 1,000 3,496	Pgc	2,715	--	--	T, E, 125	Ind	Owner's O'Brien water-supply well No. A-12. Open hole 3,496 to 4,400 feet.
817	do	--	1962	4,500	20 13 10	522 1,000 3,541	Pgc	2,685	--	--	T, E, 125	Ind	Owner's O'Brien water-supply well No. A-13. Open hole 3,541 to 4,500 feet.
818	do	--	1962	4,400	20 13 10	515 1,000 3,526	Pgc	2,729	--	--	T, E, 125	Ind	Owner's O'Brien water-supply No. A-11. Open hole 3,526 to 4,400 feet.

* Chemical analysis of water given in Table 6.
1/ Historical water-level observation well. Data in files of Texas Dept. of Water Resources.
2/ Current water-level observation well. Data in files of Texas Dept. of Water Resources.
3/ Drillers' log in files of Texas Dept. of Water Resources.
4/ Current water-level observation well. Additional water-level measurements in Table 7.
5/ Historical water-level observation well. Additional water-level measurements in Table 7.
6/ Water-quality data in files of Texas Dept. of Water Resources.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas

(Analyses are in milligrams per liter except percent sodium, specific conductance, pH, SAR, and RSC.)
Analyses performed by Texas Department of Health, unless noted.

Water-bearing units: K, Cretaceous rocks, undifferentiated; Kc, Cox Formation; Kce-Kct, Edwards Limestone-Trinity Group sands, undifferentiated; Kg, Upper Cretaceous rocks, undifferentiated; LK, Lower Cretaceous rocks, undifferentiated; P, Permian rocks, undifferentiated; Pbcd, Delaware Mountain Group; Plbs, Bone Spring-Victoria Peak Limestones; Pgc, Capitan Limestone (reef complex and associated limestone); Por, Rustler Formation; Pgsr, Seven Rivers Formation; Qal, Alluvial deposits; QalRG, Alluvial deposits along Rio Grande; QTal, Alluvium and/or bolson; Trdsr, Santa Rosa sandstone; Tv, Tertiary volcanics.

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.

Brewster County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
BK-52-29-801	Kce-Kct	1,700	Apr. 21, 1961	14	—	13	8	119	—	293	56	16	1.6	2.0	—	373	67	630	7.4	79.8	6.4	3.4
801	Kce-Kct	1,700	June 6, 1973	21	—	139	17	163	—	207	457	61	2.1	15.0	—	976	419	1,380	7.2	46.0	3.4	.0
30-501	Kce-Kct	650	do	19	8.5	130	52	277	—	254	334	389	2.1	< .4	—	1,413	539	2,100	7.5	52.8	5.1	.0
501	Kce-Kct	650	Aug. 2, 1978	30	—	140	58	340	—	231	473	476	1.9	< .4	—	1,632	586	2,120	7.6	55.7	6.1	.0
35-705	Tv	400	Aug. 3, 1978	48	—	48	2	23	—	182	11	8	2.0	< .4	—	231	129	332	8.1	28.1	.8	.4
708	Tv	390	Mar. 7, 1959	48	—	31	2	32	2.4	158	10	8	3.0	2.8	—	216	87	316	7.6	44.0	1.5	.8
801	Tv	300	Nov. 17, 1949	—	—	—	—	—	—	—	—	—	—	—	—	235	—	—	—	—	—	—
37-201	K	633	do	23	—	64	23	29	—	232	72	26	1.0	23.0	—	375	254	565	8.0	19.9	.7	.0
401	K	900	June 6, 1973	11	—	59	28	10	—	299	21	9	.5	< .4	—	285	262	467	7.3	7.6	.2	.0
401	K	900	Aug. 2, 1978	19	—	73	10	12	—	255	20	9	.4	2.8	—	271	223	420	8.3	10.5	.3	.0
38-501	K	670	do	11	—	81	13	3	—	290	9	4	.2	2.6	—	266	255	441	8.5	2.5	.0	.0
43-202	Tv	320	do	47	—	60	5	37	—	188	41	36	1.7	12.0	—	332	171	482	8.2	32.1	1.2	.0
308	Tv	580	Oct. 29, 1949	—	—	—	—	—	—	—	—	—	—	—	—	305	—	—	—	—	—	—
310	Tv	443	Jan. 4, 1955	55	—	51	11	—	—	226	19	24	2.0	8.5	—	318	172	484	7.7	30	—	—
311	Tv	703	Aug. 19, 1955	54	—	41	8.9	—	—	213	12	16	1.6	3.2	—	277	140	406	7.8	35	—	—
501	Tv	251	June 26, 1969	53	—	47	6	15	—	173	14	11	1.3	5.5	—	237	144	345	7.4	18.7	.5	.0
501	Tv	251	Aug. 7, 1978	54	—	63	5	20	—	220	16	15	1.1	4.7	—	286	179	399	8.3	19.7	.6	.0
44-801	Tv	98	Aug. 2, 1978	58	—	58	8	26	—	246	14	12	.7	2.5	—	300	178	417	8.3	24.2	.8	.4
45-401	Tv	646	Aug. 9, 1978	21	—	99	9	9	—	305	40	5	.5	< .4	—	333	285	509	7.9	6.4	.2	.0
47-701	Qal	506	Aug. 8, 1978	17	—	84	38	99	—	315	203	87	1.1	9.0	—	692	370	985	8.2	37.0	2.2	.0
902	Qal	175	do	17	—	56	55	162	—	337	239	132	2.8	12.0	—	841	366	1,150	8.2	49.0	3.6	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Brewster County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
BK-52-54-902	Qal	125	Aug. 8, 1978	22	—	57	36	98	—	389	128	42	1.5	5.5	—	581	289	849	8.0	42.3	2.5	0.5
55-402	Qal	160	do	19	—	71	39	45	—	327	45	63	1.0	27.0	—	470	338	740	8.2	22.5	1.0	.0
601	Qal	126	Aug. 9, 1978	16	—	66	51	212	—	398	145	270	1.3	3.8	—	960	374	1,410	8.0	55.2	4.7	.0
59-501	Tv	251	Aug. 7, 1978	49	—	47	6	40	—	205	27	23	1.2	3.7	—	297	140	429	8.0	38.0	1.4	.5
60-801	Tv	118	Aug. 3, 1978	43	—	58	10	44	—	296	21	12	1.1	< .4	—	335	185	480	8.3	34.0	1.4	1.1
64-101	Qal	206	Aug. 9, 1978	17	—	78	16	10	—	126	153	9	1.1	< .4	—	346	262	503	8.4	7.7	.2	.0
53-58-301	Kce-Kct	640	May 16, 1973	8	—	46	23	28	—	222	37	31	1.1	2.9	—	286	210	500	7.6	22.5	.8	.0
301	Kce-Kct	640	Aug. 9, 1978	18	—	52	21	26	—	238	41	22	.6	13.0	—	310	215	480	8.3	20.7	.7	.0
302	Kce-Kct	720	May 16, 1973	17	—	48	21	26	—	232	31	24	.6	12.0	—	293	209	490	7.7	21.5	.7	.0
802	Kce-Kct	790	do	14	—	69	20	10	—	276	17	12	.5	9.0	—	287	255	480	7.8	7.9	.2	.0
802	Kce-Kct	790	Aug. 9, 1978	18	—	72	16	9	—	281	19	11	.4	7.0	—	290	247	470	7.7	7.4	.2	.0
72-09-501	Kce-Kct	1,032	Aug. 3, 1978	18	—	47	26	73	—	316	65	39	1.3	15.0	—	439	225	678	8.2	41.5	2.1	.6
12-101	Kce-Kct	857	May 16, 1973	16	—	62	27	53	—	259	89	36	1.1	19.0	—	430	265	692	7.8	30.2	1.4	.0
[1] 49-503	K	Spring	Mar. 29, 1977	—	< 0.1	—	—	—	—	—	175	66	2.1	.06	—	856	—	—	—	—	—	—
73-07-301	Tv	135	Aug. 9, 1978	22	—	125	36	127	—	413	187	116	1.2	67.0	—	884	458	1,200	8.1	37.5	2.5	.0
14-201	Qal	92	Aug. 8, 1978	20	—	59	34	63	—	282	142	33	.9	1.3	—	491	286	720	7.7	32.3	1.6	.0
23-302	Qal, LK?	375	Aug. 3, 1978	28	—	39	21	7	—	209	18	4	.4	8.0	—	228	186	361	7.5	7.6	.2	.0
28-801	LK?	155	do	39	—	8	14	429	—	628	387	52	1.8	< .4	—	1,239	80	1,640	8.4	92.3	21.1	8.7
[2] 42-902	Kg	238	Aug. 1979	—	2.4	85	35	743	—	500	1,414	64	—	—	—	2,841	356	—	7.8	—	—	—
44-401	Kg	336	Jan. 21, 1976	10	—	6	1	491	—	600	479	72	2.5	.6	—	1,357	21	2,040	8.3	98.2	48.8	9.4
401	Kg	336	Aug. 8, 1978	13	—	10	3	543	—	593	630	68	2.0	1.0	—	1,561	35	1,920	8.3	96.9	38.6	8.9
501	Kg	800	Aug. 3, 1978	27	—	99	24	320	—	287	258	379	3.1	< .4	—	1,251	344	1,750	7.9	66.8	7.4	.0
601	Kg	826	Jan. 10, 1970	1	—	5	5	730	—	468	1,140	24	5.0	< .4	—	2,140	35	2,950	8.9	98.0	55.2	7.0
45-101	Kg	336	Aug. 3, 1978	44	—	43	5	249	—	386	331	11	.9	< .4	—	874	129	1,100	8.0	80.9	9.5	3.7
46-701	Kg	Spring	Mar. 29, 1977	—	—	—	—	—	—	—	25	8	3.2	1.2	—	224	—	—	—	—	—	—
47-401	Qal, K?	215	Aug. 17, 1973	—	—	44	2	17	17	—	140	23	7	1.4	—	240	119	322	—	—	—	—
[1] 504	Kg	138	do	—	< .1	—	—	—	—	—	37	8	2.1	.88	—	216	—	—	—	—	—	—
[1] 505	Kg	109	Mar. 1977	—	< .01	—	—	—	—	—	13	5	2.0	1.04	—	216	—	—	—	—	—	—
[1] 52-903	Qal, K?	77	Mar. 29, 1977	—	< .1	—	—	—	—	—	225	88	4.2	< .4	—	1,078	—	—	—	—	—	—

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Crane County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HH-45-18-902	Trdsr, Qal	103	Aug. 8, 1978	66	—	216	59	162	—	171	729	153	3.2	18.0	—	1,490	783	1,660	7.7	31.1	2.5	0.0
22-702	Qal	80	Aug. 10, 1978	12	—	93	15	45	—	195	165	31	2.0	11.0	—	469	296	690	8.2	25.0	1.1	.0
27-204	Qal	120	Sept. 13, 1978	28	—	580	153	256	—	109	2,120	217	4.3	9.0	—	3,420	2,070	3,500	7.5	21.1	2.4	.0
204	Qal	120	Aug. 15, 1978	34	—	542	135	198	—	168	1,945	144	2.8	22.0	—	3,105	1,908	2,640	7.9	18.4	1.9	.0
902	Qal	95	do	39	—	196	86	406	—	217	1,319	133	2.0	< .4	—	2,288	845	2,390	8.4	51.2	6.0	.0
29-401	Qal	105	Aug. 16, 1978	57	—	80	8	23	—	149	11	106	1.0	4.4	—	363	231	568	8.2	17.7	.6	.0
601	Qal	—	Dec. 9, 1971	57	—	660	58	38	—	206	1,610	45	2.7	23.0	—	2,594	1,890	2,530	7.1	4.2	.3	.0
601	Qal	—	Aug. 10, 1978	65	—	710	93	54	—	160	2,002	65	2.4	33.0	—	3,103	2,158	2,410	7.9	5.2	.5	.0
30-701	Qal	—	Sept. 12, 1974	13	—	970	940	860	—	88	6,200	1,210	10.0	7.0	—	10,253	6,270	8,750	6.8	22.9	4.7	.0
701	Qal	—	Aug. 10, 1978	62	—	572	182	171	—	125	1,862	322	3.2	10.0	—	3,245	2,179	2,800	7.8	14.6	1.5	.0
34-901	Qal	55	Aug. 15, 1978	72	—	401	114	1,086	—	214	1,474	1,476	3.2	30.0	—	4,761	1,473	4,580	7.5	61.6	12.3	.0
35-301	Qal	157	June 10, 1959	—	0.1	310	52	198	—	110	13	21	—	—	—	—	99	266	—	30.4	2.7	.0
301	Qal	157	July 16, 1974	34	—	48	7	7	—	98	10	49	.6	1.0	—	204	148	345	7.2	9.3	.2	.0
301	Qal	157	Aug. 15, 1978	40	—	102	13	15	—	96	12	175	.3	2.9	—	407	308	697	7.8	9.6	.3	.0
702	Qal	51	Aug. 16, 1978	64	—	385	105	1,002	—	190	1,123	1,618	2.3	6.0	—	4,398	1,394	4,520	7.5	61.0	11.6	.0
36-802	Qal	234	Sept. 12, 1974	21	—	128	33	71	—	167	114	240	3.2	11.0	—	703	453	1,190	8.0	25.3	1.4	.0
37-203	Qal	87	do	39	—	170	30	124	—	177	320	237	2.4	< .4	—	1,009	550	1,510	7.8	33.0	2.3	.0
203	Qal	87	Aug. 16, 1978	56	—	143	25	126	—	174	227	250	2.2	< .4	—	915	460	1,260	8.0	37.4	2.5	.0
44-301	Qal	32	Aug. 10, 1978	42	—	590	552	1,344	—	279	4,200	1,470	6.9	< .4	—	8,342	3,746	6,050	8.1	43.8	9.5	.0
601	Por	550	July 18, 1974	6	—	685	7,250	29,210	—	192	38,010	39,310	11.4	5.3	—	114,582	31,500	12,000	7.4	66.8	71.5	.0
45-501	Qal	60	July 16, 1974	65	—	590	88	252	—	122	1,510	394	2.8	93.0	—	3,054	1,830	3,400	7.5	23.0	2.5	.0
802	Qal	114	Sept. 12, 1974	20	—	760	170	590	—	106	1,720	1,410	2.8	28.0	—	4,752	2,590	4,960	7.5	33.1	5.0	.0
802	Qal	114	Aug. 8, 1978	24	—	824	259	650	—	181	1,627	1,848	1.4	48.0	—	5,370	3,125	5,030	7.5	31.2	5.0	.0
46-101	Trdsr, Qal	210	July 17, 1974	8	—	98	41	183	—	309	409	77	1.9	.2	—	970	412	1,420	7.8	49.1	3.9	.0
53-303	Qal	—	Sept. 12, 1974	53	—	670	13	55	—	92	1,440	149	3.1	36.0	—	2,464	1,730	2,530	7.8	6.5	.5	.0
303	Qal	—	Aug. 10, 1978	59	—	664	14	44	—	93	1,420	159	1.7	39.0	—	2,446	1,721	2,200	7.2	5.3	.4	.0
54-501	Trdsr	200	Feb. 24, 1966	14	—	210	226	457	—	129	1,670	441	1.3	29.0	—	3,111	1,450	4,100	7.7	40.6	5.2	.0
501	Trdsr	200	July 15, 1974	13	—	302	193	474	—	131	1,650	490	2.9	44.0	—	3,233	1,550	3,820	7.4	40.0	5.2	.0
501	Trdsr	200	Aug. 10, 1978	15	—	312	200	462	—	125	1,602	580	2.2	46.0	—	3,280	1,603	3,330	8.2	38.6	5.0	.0
801	Trdsr	200	Oct. 26, 1965	12	—	380	190	493	—	145	1,480	700	3.2	36.0	—	3,365	1,730	4,500	7.4	38.3	5.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-47-04-501	Qal	200	Aug. 20, 1967	20	—	76	30	16	—	329	33	20	0.5	17.0	0.2	374	313	633	7.6	10.0	0.3	0.0
05-402	P	200	Aug. 19, 1967	22	—	620	72	98	—	193	1,700	107	1.8	< .4	.4	2,716	1,850	2,920	7.2	10.4	.9	.0
402	P	200	June 4, 1979	25	—	625	92	121	—	245	1,776	113	1.1	.5	—	2,874	1,939	2,250	7.9	12.0	1.1	.0
601	P	60	May 13, 1969	10	—	620	36	40	—	178	1,500	18	1.0	< .4	—	2,312	1,690	2,370	7.0	4.9	.4	.0
601	P	60	June 4, 1969	23	—	652	43	70	—	122	1,540	86	.8	143.0	—	2,617	1,807	2,050	8.1	7.8	.7	.0
901	P	—	July 24, 1968	22	—	570	62	114	—	221	1,520	138	1.8	< .4	—	2,536	1,680	2,800	7.1	12.9	1.2	.0
09-901	QTal, Pgc	591	Aug. 7, 1968	11	—	159	70	46	—	279	470	40	1.2	< .4	—	934	685	1,300	7.7	12.8	.7	.0
13-102	QTal	—	Aug. 20, 1967	20	—	69	38	39	—	309	118	18	.7	17.0	—	471	328	743	7.6	20.5	.9	.0
17-302	Pgc	377	July 12, 1966	13	—	156	66	79	—	299	396	110	—	< .4	—	967	660	1,435	7.8	20.6	1.3	.0
302	Pgc	377	June 14, 1967	15	—	156	66	83	—	299	411	117	1.4	< .4	—	996	660	1,450	7.9	21.5	1.4	.0
317	QTal, Pgc	600	Aug. 4, 1967	15	—	148	62	64	—	285	408	89	1.2	< .4	—	927	630	1,340	7.6	18.2	1.1	.0
317	QTal, Pgc	600	Aug. 7, 1968	13	—	160	67	64	—	279	402	107	1.3	< .4	—	951	677	1,410	7.4	17.1	1.0	.0
18-101	Pbcd	450	Apr. 2, 1970	16	—	97	96	110	1.0	293	400	163	1.0	< .4	—	1,028	640	1,490	7.7	27.3	1.8	.0
706	QTal, Pbcd?	400	Aug. 4, 1967	15	—	362	90	228	—	135	1,030	417	2.2	16.5	—	2,227	1,280	2,845	7.2	28.0	2.7	.0
37-801	P	60	Oct. 10, 1970	17	—	640	48	32	—	81	1,640	31	2.0	16.0	—	2,465	1,790	2,450	7.5	3.7	.3	.0
801	P	60	June 18, 1979	15	—	719	95	70	—	98	1,646	378	2.0	73.2	—	3,046	2,189	2,230	7.5	6.5	.6	.0
43-202	QTal, Pbcd	550	June 18, 1970	20	—	373	64	386	—	215	1,010	550	2.3	13.0	.4	2,524	1,190	3,300	7.2	41.3	4.8	.0
503	QTal	578	do	20	—	244	103	450	—	272	790	680	2.2	2.0	.5	2,425	1,030	3,360	7.2	48.7	6.0	.0
601	QTal	350	Feb. 17, 1971	19	—	253	85	399	—	255	740	620	1.8	6.0	—	2,249	980	3,010	7.4	46.9	5.5	.0
701	QTal	173	Dec. 8, 1971	13	—	250	219	499	—	137	1,320	780	1.8	22.0	—	3,172	1,530	4,030	7.5	41.6	5.5	.0
45-102	P	70	Oct. 8, 1970	25	—	620	28	25	—	156	1,480	21	1.6	18.0	—	2,295	1,670	2,270	7.4	3.2	.2	.0
102	P	70	June 18, 1979	28	—	640	57	189	—	168	1,730	171	1.0	158.9	—	3,057	1,835	2,380	7.5	18.3	1.9	.0
501	Pgc	14	Aug. 13, 1967	18	—	770	103	115	—	28	2,350	85	2.5	3.5	—	3,460	2,350	3,280	6.8	—	—	—
46-401	Por	63	do	41	—	690	51	104	—	82	1,890	91	1.8	4.0	—	2,913	1,940	2,840	6.9	10.5	1.0	.0
601	Por	430	Oct. 7, 1970	7	—	365	83	35	—	122	1,130	26	2.4	< .4	—	1,708	1,260	1,850	7.3	5.7	.4	.0
602	Por	320	do	18	—	600	211	73	—	126	2,260	78	2.8	< .4	—	3,305	2,380	3,160	7.6	6.3	.6	.0
802	Por	—	Aug. 13, 1970	13	—	100	26	2	—	55	294	5	.8	5.5	—	473	359	641	6.9	1.2	.0	.0
802	Por	—	June 21, 1979	27	—	403	111	8	—	132	1,302	8	1.4	27.4	—	1,952	1,466	1,600	8.2	1.2	.0	.0
47-101	Por	552	Oct. 7, 1970	1	—	199	26	12	—	37	540	13	1.8	< .4	—	811	600	1,004	7.6	4.1	.2	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-47-47-701	Por	230	Oct. 6, 1970	15	—	122	43	22	—	162	337	15	1.3	18.0	—	652	478	879	7.8	9.0	0.4	0.0
801	Por	180	Oct. 7, 1970	13	—	87	35	29	—	161	216	26	2.2	20.0	—	507	361	746	7.9	14.9	.6	.0
901	Kce-Kct	450	Aug. 5, 1970	10	—	338	105	140	—	189	1,100	224	2.2	< .4	—	2,012	1,280	2,420	7.5	19.3	1.7	.0
901	Kce-Kct	450	June 21, 1979	11	—	357	108	152	—	188	1,148	223	1.8	.1	—	2,093	1,336	1,930	7.5	19.8	1.8	.0
902	QTal	187	Oct. 6, 1970	10	—	172	86	91	—	320	620	40	2.2	1.0	—	1,179	780	1,530	7.6	20.2	1.4	.0
51-301	QTal	150	Feb. 17, 1971	16	—	476	81	227	—	76	1,220	417	2.2	98.0	—	2,574	1,520	3,00	7.4	24.5	2.5	.0
502	QTal	302	Feb. 11, 1971	25	—	18	7	292	—	318	373	44	4.4	< .4	—	920	73	1,340	8.1	89.6	14.7	3.7
601	QTal	200	Feb. 17, 1971	29	—	45	21	378	—	217	650	114	4.5	8.0	—	1,356	198	1,880	8.2	80.5	11.6	.0
704	QTal	450	Aug. 10, 1966	27	—	37	21	272	—	255	221	237	1.7	3.5	—	945	181	1,530	7.6	76.8	8.8	.6
704	QTal	450	July 18, 1967	29	—	41	21	288	—	254	228	250	1.6	8.0	—	991	188	1,600	7.6	76.8	9.1	.3
704	QTal	450	Aug. 13, 1968	24	—	44	18	279	—	254	217	239	1.4	2.5	—	949	185	1,600	7.5	76.8	8.9	.4
704	QTal	450	May 29, 1970	30	—	45	22	267	—	254	220	262	1.7	3.0	0.5	976	205	1,590	7.9	74.1	8.1	.1
704	QTal	450	June 8, 1975	30	—	60	30	317	—	244	291	336	1.6	5.4	—	1,190	275	1,870	7.7	71.6	8.3	.0
704	QTal	450	June 18, 1979	31	—	58	32	306	6.0	244	300	328	1.1	4.9	—	1,186	278	1,500	8.3	70.1	8.0	.0
710	QTal	746	Aug. 9, 1954	30	—	22	12	214	—	269	152	130	—	5.5	—	697	—	1,160	7.8	81.7	9.1	2.3
710	QTal	746	Aug. 10, 1966	17	—	52	34	230	—	306	265	164	—	6.0	—	918	270	1,480	7.5	65.0	6.0	.0
710	QTal	746	July 18, 1967	17	—	53	33	212	—	300	261	160	1.2	9.0	—	893	270	1,420	7.6	63.2	5.6	.0
710	QTal	746	Aug. 13, 1968	18	—	52	34	219	—	299	279	153	1.1	5.5	—	908	269	1,440	7.5	63.9	5.8	.0
710	QTal	746	June 8, 1975	18	—	56	31	214	—	304	241	158	1.3	8.0	—	876	266	1,400	7.7	63.5	5.6	.0
710	QTal	746	June 18, 1979	19	—	52	33	214	—	301	260	160	1.0	7.4	—	894	263	1,195	8.0	63.7	5.7	.0
802	QTal	414	Aug. 9, 1954	32	—	24	14	209	—	323	136	108	—	7.2	—	689	118	1,140	7.8	79.5	8.3	2.9
802	QTal	414	Aug. 13, 1963	24	—	64	35	286	—	285	265	285	—	5.0	—	1,104	304	1,800	7.6	67.2	7.1	.0
802	QTal	414	Aug. 10, 1966	27	—	73	45	304	—	255	310	345	1.7	1.5	—	1,232	368	1,980	7.4	64.3	6.9	.0
802	QTal	414	Aug. 13, 1968	24	—	64	35	286	—	285	265	285	1.6	5.0	—	1,105	304	1,800	7.6	67.2	7.1	.0
802	QTal	414	June 8, 1975	30	—	76	30	288	—	290	270	302	1.6	5.9	—	1,146	314	1,800	7.5	66.7	7.0	.0
8G2	QTal	414	June 18, 1979	31	—	87	45	330	6.7	261	348	392	1.1	4.7	—	1,373	400	1,699	8.5	63.6	7.1	.0
804	QTal	450	Aug. 9, 1954	32	—	56	35	230	—	272	231	232	—	5.0	—	954	284	1,600	7.7	63.8	5.9	.0
804	QTal	450	Aug. 10, 1966	26	—	91	54	291	—	254	312	394	1.4	2.5	—	1,296	447	2,350	7.6	58.5	5.9	.0
804	QTal	450	July 18, 1967	31	—	94	51	301	—	254	316	402	1.4	4.0	—	1,325	445	2,130	7.7	59.6	6.2	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-47-51-804	QTal	450	Aug. 13, 1968	26	—	78	64	297	—	255	330	391	1.3	< 0.4	—	1,313	459	2,150	7.4	58.5	6.0	0.0
804	QTal	450	June 5, 1970	31	—	96	55	294	—	256	334	401	1.4	1.5	0.5	1,340	464	2,090	7.3	57.9	5.9	.0
804	QTal	450	June 8, 1975	27	—	111	53	311	—	255	384	419	1.4	3.3	—	1,435	496	2,160	7.5	57.7	6.0	.0
804	QTal	450	June 18, 1979	32	—	110	61	318	10.2	265	400	445	1.0	1.6	—	1,509	525	1,800	8.0	56.2	6.0	.0
902	QTal	500	Aug. 10, 1966	29	—	42	10	385	—	198	434	231	2.2	20.0	—	1,250	148	1,955	7.4	85.7	13.8	.3
902	QTal	500	July 18, 1967	33	—	44	9	382	—	196	415	242	2.2	24.0	—	1,247	148	1,960	7.5	85.0	13.7	.2
902	QTal	500	Aug. 13, 1968	26	—	46	10	379	—	177	491	231	2.1	25.0	—	1,297	156	1,990	7.6	84.1	13.2	.0
52-201	Pgc	773	Dec. 12, 1965	19	—	57	36	90	—	233	147	59	2.2	56.0	—	580	291	940	7.8	40.3	2.2	.0
301	Pgc	1,713	Aug. 11, 1970	18	—	181	94	478	—	281	690	670	2.0	1.0	—	2,272	840	3,280	7.6	55.4	7.1	.0
401	Pgc	250	Nov. 24, 1970	12	—	98	110	276	—	206	660	282	2.5	56.0	—	1,597	700	2,230	7.7	46.3	4.5	.0
602	Pgc	1,560	Aug. 11, 1970	18	—	176	88	478	—	272	690	650	2.1	1.5	—	2,237	800	3,190	7.7	56.5	7.3	.0
53-401	Pgc	5,417	Aug. 13, 1970	18	—	49	35	103	—	190	97	158	.8	< .4	—	554	269	984	7.6	45.7	2.7	.0
401	Pgc	5,417	June 21, 1979	14	—	72	38	109	6.9	246	160	160	.9	1.5	—	683	335	980	8.3	40.7	2.5	.0
54-201	K	160	Aug. 14, 1970	25	—	550	34	29	—	104	1,300	36	1.6	63.0	—	2,089	1,530	2,120	7.2	4.0	.3	.0
201	K	160	June 21, 1979	11	—	599	20	20	4.9	61	1,442	38	.8	26.3	—	2,191	1,579	1,750	7.6	2.7	.2	.0
204	K	—	Aug. 13, 1970	13	—	456	119	375	—	78	2,040	130	2.7	120.0	—	3,294	1,630	3,510	6.8	33.4	4.0	.0
302	Por	280	Oct. 6, 1970	16	—	336	125	46	—	44	1,240	37	1.4	60.0	—	1,883	1,350	2,010	7.7	6.9	.5	.0
603	K	550	Oct. 8, 1970	7	—	126	77	145	—	343	510	88	2.5	< .4	—	1,124	630	1,580	7.6	33.3	2.5	.0
55-103	K	357	Sept. 17, 1970	1	—	27	51	165	5.0	96	169	275	.8	< .4	—	741	276	1,300	7.5	55.9	4.3	.0
104	LK	270	Oct. 6, 1970	20	—	411	145	52	—	102	1,490	34	2.1	70.0	—	2,274	1,620	2,330	7.6	6.5	.5	.0
203	Por	275	do	18	—	337	90	82	—	153	1,050	83	2.1	27.0	—	1,764	1,210	2,000	7.6	12.8	1.0	.0
401	Kct	1,000	Aug. 12, 1970	11	—	226	60	296	—	216	620	442	1.8	19.0	—	1,782	810	2,510	7.3	44.3	4.5	.0
405	LK	400	do	11	—	123	59	138	—	277	348	197	1.7	< .4	—	1,014	550	1,520	7.9	35.3	2.5	.0
604	Kce-Kct	3,180	Oct. 6, 1970	8	—	118	50	51	—	221	378	21	.5	< .4	—	735	500	996	7.6	18.2	.9	.0
701	K	650	Aug. 11, 1970	8	—	159	37	50	—	289	360	42	1.3	< .4	—	799	550	1,112	7.9	16.5	.9	.0
701	K	650	June 21, 1979	9	—	166	21	53	—	198	384	39	1.1	< .1	—	770	502	1,010	7.9	18.7	1.0	.0
801	K	407	Aug. 12, 1970	25	—	106	27	42	—	355	104	33	.6	27.0	—	539	378	827	7.6	19.6	.9	.0
802	K	—	do	16	—	256	159	483	—	364	950	740	2.5	34.0	—	2,819	1,290	3,810	7.4	44.8	5.8	.0
802	K	—	June 21, 1979	18	—	279	86	459	18.8	281	924	663	1.7	8.2	—	2,595	1,051	2,650	7.8	48.2	6.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-47-55-901	LK	1,150+	Aug. 12, 1970	18	—	245	83	461	—	203	840	660	2.0	< 0.4	—	2,409	950	3,400	7.8	51.3	6.4	0.0
56-103	Kce-Kct	357	Aug. 6, 1970	16	—	382	110	276	—	182	1,250	388	2.1	< .4	—	2,513	1,410	3,050	7.3	29.9	3.2	.0
104	Kce-Kct	36	Aug. 5, 1970	21	—	401	110	296	—	220	1,240	426	2.7	2.5	—	2,607	1,450	3,280	7.4	30.7	3.3	.0
104	Kce-Kct	36	June 21, 1979	18	—	394	100	284	—	181	1,210	409	1.7	12.5	—	2,518	1,395	2,400	8.2	30.7	3.3	.0
701	Kce-Kct	348	Nov. 23, 1970	36	—	84	10	33	—	255	71	20	.6	13.0	—	392	251	587	7.7	22.2	.9	.0
701	Kce-Kct	348	June 21, 1979	12	—	49	13	41	—	163	78	32	.5	4.1	—	309	175	486	—	33.7	1.3	.0
59-101	QTal	625	Aug. 10, 1954	31	—	19	9	194	—	290	157	70	—	6.3	—	628	82	1,020	7.8	83.3	9.1	3.0
101	QTal	625	Aug. 10, 1966	18	—	22	9	194	—	255	120	116	1.9	1.5	—	607	94	1,005	7.3	82.1	8.8	2.3
101	QTal	625	July 18, 1967	29	—	28	2	187	—	242	115	113	2.0	6.0	—	600	80	980	7.8	83.9	9.2	2.4
101	QTal	625	Apr. 30, 1968	32	—	21	8	179	—	238	130	105	2.0	4.0	—	598	84	995	8.0	82.0	8.4	2.1
101	QTal	625	June 8, 1975	30	—	17	4	206	—	246	142	109	2.2	8.0	—	639	59	1,010	7.9	88.4	11.6	2.8
102	QTal, K	542	Aug. 10, 1966	20	—	67	33	169	—	285	180	166	1.7	5.0	—	781	304	1,255	7.6	54.8	4.2	.0
102	QTal, K	542	July 18, 1967	20	—	84	36	168	—	279	209	197	1.4	7.0	—	859	360	1,380	7.5	50.5	3.8	.0
102	QTal, K	542	Aug. 13, 1968	20	—	52	29	160	—	278	171	136	1.5	5.5	—	711	252	1,150	7.8	58.3	4.4	.0
102	QTal, K	542	June 4, 1970	20	—	70	36	161	—	285	199	177	1.3	5.0	0.4	809	324	1,290	8.0	52.0	3.8	.0
102	QTal, K	542	June 8, 1975	18	—	74	38	173	—	281	209	195	1.5	7.0	—	853	343	1,360	7.9	52.5	4.0	.0
104	QTal	660	Aug. 10, 1954	31	—	18	7	188	—	236	119	116	—	5.8	—	600	74	985	7.9	84.7	9.5	2.3
104	QTal	660	Aug. 10, 1966	27	—	21	9	194	—	287	160	76	1.7	2.5	—	632	89	1,005	7.9	82.5	8.9	2.9
104	QTal	660	July 18, 1967	29	—	25	7	200	—	289	163	77	1.8	7.0	—	651	90	1,010	7.7	82.7	9.1	2.9
104	QTal	660	Apr. 30, 1968	30	—	22	9	194	—	288	185	66	1.5	5.5	—	654	92	1,015	8.0	82.1	8.8	2.8
104	QTal	660	June 4, 1970	30	—	22	9	193	—	293	162	75	1.4	6.0	.6	643	94	990	7.5	82.0	8.7	2.9
104	QTal	660	June 18, 1979	31	—	25	10	211	2.5	281	181	94	1.1	24.0	—	717	103	960	8.1	81.1	9.0	2.5
106	QTal	500	July 18, 1967	29	—	28	6	214	—	245	129	149	1.8	5.0	—	682	96	1,135	7.5	83.1	9.5	2.1
106	QTal	500	June 5, 1970	29	—	24	11	211	—	248	147	153	1.7	1.8	.5	700	105	1,125	7.1	81.4	8.9	1.9
201	QTal, K?	552	Apr. 30, 1968	18	—	104	54	287	—	259	393	355	1.1	2.0	—	1,341	483	2,060	7.8	56.4	5.6	.0
203	QTal, K?	550	Aug. 9, 1954	19	—	111	66	296	—	288	405	388	—	4.8	—	1,431	548	2,350	7.5	54.0	5.4	.0
203	QTal, K?	550	Aug. 10, 1966	17	—	121	65	309	—	284	398	410	1.7	1.5	—	1,462	570	2,500	7.3	54.1	5.6	.0
203	QTal, K?	550	July 18, 1967	18	—	128	63	309	—	287	448	415	1.5	4.0	—	1,527	580	2,350	7.3	53.7	5.5	.0
203	QTal, K?	550	Aug. 13, 1968	18	—	123	69	290	—	284	424	402	1.6	2.0	—	1,469	590	2,350	7.5	51.6	5.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-47-59-204	QTal, K?	—	June 6, 1970	23	—	143	73	327	—	275	469	468	1.7	< 0.4	0.4	1,640	660	2,490	7.2	52.0	5.5	0.0
204	QTal, K?	—	June 18, 1970	23	—	145	75	332	—	259	510	480	1.6	3.5	—	1,697	670	2,520	7.6	51.9	5.5	0
208	QTal, K?	406	July 18, 1967	30	—	60	27	235	—	248	178	263	1.3	5.0	—	920	261	1,590	—	66.0	6.3	.0
208	QTal, K?	406	Apr. 30, 1968	26	—	62	29	252	—	249	242	269	1.1	2.0	—	1,000	276	1,620	—	66.0	6.6	.0
301	QTal, K?	410	June 18, 1979	24	—	132	68	442	—	275	554	551	1.6	6.8	—	1,914	611	2,190	7.8	61.2	7.7	.0
302	QTal, K	500	Aug. 10, 1954	18	—	140	90	438	—	293	592	570	—	2.5	—	1,994	720	3,160	7.4	57.0	7.1	.0
302	QTal, K	500	Aug. 10, 1966	16	—	150	84	402	—	284	570	560	2.0	< .4	—	1,924	720	2,890	7.6	54.8	6.5	.0
302	QTal, K	500	July 18, 1967	15	—	154	79	411	—	288	590	560	1.8	3.5	—	1,955	710	2,940	7.4	55.8	6.7	.0
302	QTal, K	500	Apr. 30, 1968	13	—	148	84	420	—	288	650	540	1.5	< .4	—	1,998	716	2,940	7.8	56.1	6.8	.0
302	Qal, K	500	June 8, 1975	16	—	156	78	407	19.0	288	590	550	1.9	2.3	—	1,961	710	2,850	7.8	54.7	6.6	.0
303	QTal, K	500	Aug. 10, 1954	18	—	116	71	325	—	289	444	430	—	4.5	—	1,550	582	2,520	8.0	54.9	5.8	.0
303	QTal, K	500	Aug. 10, 1966	16	—	149	77	368	—	283	530	510	1.7	< .4	—	1,791	690	2,700	7.4	53.8	6.1	.0
303	QTal, K	500	Apr. 30, 1968	13	—	128	83	376	—	255	560	500	1.5	< .4	—	1,787	660	2,690	8.0	55.3	6.3	.0
601	QTal	—	Feb. 18, 1971	35	—	34	10	145	—	220	202	17	1.1	29.0	—	581	125	836	7.6	71.5	5.6	1.0
901	P	700	Mar. 12, 1971	16	—	51	28	137	—	228	157	130	1.7	8.5	—	641	241	1,010	7.5	55.1	3.8	.0
60-401	QTal	360	Feb. 23, 1971	30	—	11	3	102	—	238	44	3	2.2	19.0	—	331	40	484	8.0	84.8	7.0	3.1
404	QTal	620	Feb. 19, 1971	32	—	22	4	98	—	149	108	22	1.0	18.0	—	378	72	557	7.7	74.9	5.0	1.0
404	QTal	620	June 19, 1979	36	—	122	17	235	4.8	155	346	294	.5	12.7	—	1,144	375	1,400	7.6	57.3	5.2	.0
601	P	600	do	17	—	165	79	486	—	287	588	679	1.9	.1	—	2,157	736	2,498	7.8	58.9	7.7	.0
603	P	600	Feb. 25, 1971	18	—	169	82	478	—	285	620	670	2.1	< .4	—	2,179	760	3,100	7.7	57.8	7.5	.0
61-401	P	577	Dec. 18, 1970	18	—	167	91	530	26.0	262	670	740	2.6	2.0	.7	2,376	790	3,460	8.1	58.3	8.1	.0
401	P	577	Mar. 17, 1971	16	—	161	79	447	—	275	600	630	2.3	4.5	—	2,075	730	3,000	7.5	57.2	7.2	.0
403	P	740	Feb. 25, 1971	7	—	92	43	216	—	221	316	272	2.5	< .4	—	1,057	406	1,650	7.6	53.6	4.6	.0
403	P	740	June 19, 1979	18	—	107	48	235	—	250	328	306	2.2	—	—	1,167	464	1,499	7.6	52.4	4.7	.0
62-902	K	490	Nov. 23, 1970	19	—	85	16	9	1.0	307	38	5	.4	< .4	.1	324	280	519	7.7	6.6	.2	.0
64-101	Kce-Kct	1,300	Mar. 16, 1969	—	0.1	153	39	219	—	267	368	306	1.3	2.6	—	1,221	542	2,376	7.4	46.8	4.0	.0
51-02-901	QTal	380	May 5, 1950	65	—	—	—	88	—	211	48	16	—	5.8	—	326	57	506	7.9	—	—	—
901	QTal	380	July 19, 1967	56	—	21	4	89	—	201	58	27	2.0	5.0	—	360	67	530	7.2	73.8	4.6	1.9
901	QTal	380	June 10, 1975	60	—	33	6	101	—	201	91	47	1.9	10.0	—	448	109	666	7.5	67.2	4.2	1.1

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-51-02-903	QTal	421	July 19, 1967	60	—	27	3	88	—	249	41	16	1.8	3.0	—	362	82	521	7.3	70.6	4.2	2.4
903	QTal	421	Apr. 29, 1968	51	—	15	4	88	—	215	48	11	2.0	< .4	—	325	53	481	7.4	78.0	5.2	2.4
907	QTal	407	June 14, 1967	38	—	18	3	87	—	212	49	17	1.9	4.0	—	322	57	481	7.3	76.8	5.0	2.3
907	QTal	407	Apr. 29, 1968	49	—	16	4	86	—	211	48	12	1.7	4.0	—	324	56	486	8.3	76.8	4.9	2.3
03-701	QTal	400	Aug. 11, 1966	62	—	16	5	86	—	214	48	17	2.0	3.0	—	344	61	485	7.5	75.6	4.8	2.2
701	QTal	400	July 19, 1967	65	—	19	3	86	—	212	44	17	1.9	5.0	—	345	60	490	7.5	75.8	4.8	2.2
701	QTal	400	Apr. 29, 1968	64	—	16	4	86	—	192	49	13	2.1	5.0	—	333	58	490	8.5	76.8	4.9	2.0
04-202	P	500	Feb. 18, 1971	18	—	164	88	830	—	171	710	1,250	4.5	< .4	—	3,148	770	4,550	7.8	70.1	13.0	.0
301	Pgc	—	Feb. 24, 1971	27	—	177	76	600	—	278	600	870	2.8	< .4	—	2,489	760	3,600	8.3	63.4	9.5	.0
06-204	TV	600	Oct. 28, 1970	68	—	27	4	26	—	129	15	11	.7	2.0	—	217	82	271	7.8	40.3	1.2	.4
10-305	QTal, TV	521	Aug. 11, 1966	60	—	21	5	99	—	199	78	25	—	5.0	—	390	75	560	7.7	74.7	5.0	1.8
305	QTal, TV	521	July 19, 1967	60	—	23	3	99	—	192	82	26	—	16.0	—	403	70	564	7.6	75.5	5.1	1.7
305	QTal, TV	521	Apr. 29, 1968	64	—	24	5	93	—	206	85	20	1.9	2.5	—	396	82	576	7.5	71.5	4.5	1.7
309	QTal, TV	350	June 21, 1949	68	—	13	3.9	89	—	206	44	17	—	4.8	—	353	48	493	8.0	80.0	5.6	2.4
309	QTal, TV	350	May 17, 1973	—	—	—	—	—	—	—	—	23	—	—	—	—	—	579	—	—	—	—
323	QTal	350	Aug. 13, 1968	58	—	17	5	89	—	199	72	18	1.7	5.0	—	363	65	520	7.9	75.4	4.8	2.0
323	QTal	350	June 10, 1975	55	—	18	3	89	—	199	58	20	1.8	7.0	—	349	57	505	7.9	77.2	5.1	2.1
323	QTal	350	June 19, 1979	32	—	22	3	94	—	209	70	19	1.5	7.5	—	351	68	505	8.1	75.2	4.9	2.0
324	QTal	605	Aug. 11, 1966	60	—	21	5	99	—	199	78	25	2.0	5.0	—	392	75	560	7.7	74.7	5.0	1.8
324	QTal	605	July 19, 1967	60	—	23	3	99	—	192	82	26	1.8	16.0	—	405	70	564	7.6	75.5	5.1	1.7
324	QTal	605	June 10, 1975	53	—	19	3	93	—	206	56	22	1.8	7.0	—	356	59	511	7.9	77.2	5.2	2.1
331	QTal, TV?	411	Aug. 11, 1966	60	—	21	5	94	—	198	72	23	1.9	7.0	—	381	72	555	7.6	73.7	4.7	1.7
331	QTal, TV?	411	July 19, 1967	56	—	23	4	95	—	194	80	27	1.9	7.0	—	389	76	576	7.5	73.7	4.8	1.7
331	QTal, TV?	411	Aug. 13, 1968	56	—	21	5	99	—	198	95	25	1.6	< .4	—	400	74	580	7.2	74.7	5.0	1.7
331	QTal, TV?	411	June 10, 1975	60	—	30	6	113	7.0	178	152	33	1.7	11.0	—	501	100	702	7.8	69.4	4.9	.9
331	QTal, TV?	411	June 19, 1979	65	—	30	5	107	6.4	207	116	24	1.5	9.1	—	465	97	605	7.9	69.2	4.7	1.4
334	QTal	312	Jan. 13, 1973	64	—	26	68	110	—	—	120	26	—	9.7	—	454	93	665	8.0	72.0	5.0	1.3
335	QTal, TV	267	May 4, 1950	65	—	—	—	87	—	206	49	16	—	5.2	0.12	362	54	510	7.9	78.0	5.2	2.3
335	QTal, TV	267	Apr. 10, 1973	—	—	—	—	—	—	—	—	25	—	—	—	—	—	662	—	—	—	—

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
HL-51-10-601	QTal, TV	375	May 4, 1950	64	—	—	—	87	—	205	44	16	—	5.1	—	316	56	489	7.9	—	—	—
601	QTal, TV	375	Aug. 11, 1966	60	—	14	6	86	—	205	45	16	2.0	11.0	—	340	60	479	7.4	75.8	4.8	2.1
601	QTal, TV	375	Apr. 29, 1968	53	—	16	4	86	—	211	48	13	1.9	2.5	—	328	56	492	8.2	76.8	4.9	2.3
601	QTal, TV	375	June 10, 1975	55	—	19	4	88	5.0	210	52	20	1.9	7.0	—	355	62	510	7.9	73.2	4.7	2.1
603	QTal	—	June 14, 1967	38	—	13	4	90	15.0	226	49	16	1.8	.4	—	338	48	497	7.0	74.2	5.6	2.7
603	QTal	—	Apr. 29, 1968	57	—	13	4	86	—	209	49	12	1.7	2.5	—	327	48	475	7.8	79.3	5.3	2.4
603	QTal	—	June 10, 1975	53	—	15	3	92	5.0	201	51	23	2.0	7.0	—	349	49	505	7.9	78.1	5.6	2.2
901	QTal	400	July 19, 1967	31	—	18	1	156	—	229	142	33	3.3	< .4	—	497	50	765	7.2	87.4	9.6	2.7
901	QTal	400	June 10, 1975	27	—	7	1	150	—	198	126	36	2.7	7.0	—	454	21	709	7.7	93.8	14.0	2.8
905	QTal	—	do	46	—	12	2	85	—	193	40	14	1.8	5.3	—	301	38	440	8.1	—	—	—
905	QTal	—	June 19, 1979	50	—	17	2	85	3.4	206	48	14	1.6	4.5	—	326	50	430	8.3	77.1	5.1	2.3
11-403	QTal, TV	422	Dec. 10, 1971	78	—	29	14	77	—	206	83	30	1.3	11.0	—	424	131	582	7.7	56.3	2.9	.7
403	QTal, TV	422	June 10, 1975	70	—	34	10	88	13.0	211	94	36	1.5	15.0	—	465	128	650	7.6	57.3	3.4	.9
403	QTal, TV	422	June 19, 1979	85	—	33	11	84	14.8	201	86	34	1.0	13.2	—	460	128	587	8.5	55.5	3.2	.7

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PD-47-09-801	Pgc	412	Aug. 2, 1966	17	—	181	73	97	—	270	465	195	1.3	12.0	—	1,174	750	1,740	7.5	21.9	1.5	0.0
801	Pgc	412	Aug. 7, 1968	16	—	164	78	81	—	282	444	133	1.3	12.0	—	1,067	732	1,550	7.5	19.4	1.3	.0
803	Pgc	—	Aug. 4, 1967	16	—	222	99	156	—	279	660	256	—	3.5	—	1,549	960	2,090	7.2	26.1	2.1	.0
805	Pgc	515	June 14, 1967	18	—	210	96	124	—	266	580	249	1.5	28.0	—	1,437	920	2,040	7.5	22.7	1.7	.0
805	Pgc	515	June 5, 1979	16	—	171	70	82	—	283	439	126	1.0	.1	—	1,044	715	1,200	8.0	20.0	1.3	.0
17-201	Pgc	400	Aug. 4, 1967	18	—	164	73	76	—	255	464	131	1.4	6.0	—	1,057	710	1,500	7.4	18.9	1.2	.0
201	Pgc	400	June 4, 1979	18	—	155	64	68	—	281	384	103	.9	.1	—	931	650	1,100	8.0	18.5	1.1	.0
203	Pgc	500	Apr. 5, 1965	—	—	—	—	—	—	184	1,160	580	—	—	—	—	1,650	3,490	7.9	—	—	.0
203	Pgc	500	May 16, 1965	—	—	—	—	—	—	198	1,230	592	—	—	—	—	—	3,620	7.4	—	—	.0
203	Pgc	500	do	—	—	—	—	—	—	25	915	462	—	—	—	—	1,140	2,750	6.6	—	—	.0
206	Pgc	750	July 26, 1963	15	—	154	69	112	—	283	454	144	1.5	< .4	—	1,089	670	1,600	7.5	26.7	1.8	.0
206	Pgc	750	Aug. 2, 1966	15	—	202	104	197	—	233	710	309	1.6	3.5	—	1,656	930	2,350	7.5	31.5	2.8	.0
218	QTal, Pgc?	350	July 26, 1963	17	—	172	112	690	—	243	1,310	530	3.0	< .4	—	2,953	890	4,080	7.5	62.8	10.0	.0
48-06-201	Plbs	1,100	July 25, 1963	20	—	560	166	40	—	229	1,910	20	2.7	< .4	—	2,831	2,080	2,930	7.2	4.0	.3	.0
601	Plbs	1,505	do	20	—	520	178	58	—	201	1,900	27	2.7	< .4	—	2,804	2,030	2,900	7.3	5.8	.5	.0
601	Plbs	1,505	June 5, 1979	23	—	512	148	53	—	199	1,724	29	1.9	.1	—	2,588	1,886	2,000	8.5	5.8	.5	.0
07-102	Plbs	1,055	July 25, 1963	19	—	540	171	118	—	214	1,810	139	2.8	< .4	—	2,905	2,050	3,220	7.3	11.1	1.1	.0
102	Plbs	1,055	July 27, 1966	18	—	580	154	75	—	220	1,740	203	2.5	< .4	—	2,881	2,090	3,290	7.5	7.3	.7	.0
102	Plbs	1,055	May 16, 1967	19	—	580	155	143	—	214	1,920	186	2.4	< .4	—	3,111	2,080	3,225	7.6	13.0	1.3	.0
102	Plbs	1,055	May 28, 1975	17	—	640	153	266	—	217	1,960	390	2.9	10.0	—	3,545	2,220	3,700	7.3	20.6	2.4	.0
102	Plbs	1,055	June 5, 1979	18	—	598	164	250	—	214	2,142	267	2.0	8.7	—	3,554	2,171	2,700	7.6	20.1	2.3	.0
103	Plbs	1,206	July 25, 1963	20	—	428	175	85	—	216	1,540	91	2.5	1.0	—	2,448	1,790	2,800	7.4	9.4	.8	.0
103	Plbs	1,206	May 16, 1967	20	—	498	137	102	—	210	1,610	136	2.4	15.0	—	1,623	1,810	2,830	7.7	10.9	1.0	.0
103	Plbs	1,206	Mar. 18, 1968	17	—	474	161	189	—	212	1,720	224	2.7	13.5	—	2,905	1,850	3,260	7.7	18.2	1.9	.0
103	Plbs	1,206	May 28, 1975	19	—	520	119	118	—	233	1,530	166	2.6	1.9	—	2,591	1,790	2,750	7.2	12.6	1.2	.0
204	Plbs	325	July 2, 1960	18	—	465	209	255	—	217	1,370	590	—	102.0	—	3,115	2,020	3,940	7.1	21.5	2.4	.0
204	Plbs	325	May 16, 1967	13	—	540	276	435	—	195	2,040	730	2.3	176.0	—	4,308	2,490	4,970	7.3	27.6	3.7	.0
204	Plbs	325	Apr. 9, 1968	13	—	550	280	520	—	190	2,230	680	2.6	143.0	—	4,512	2,520	5,000	7.2	30.9	4.5	.0
204	Plbs	325	Oct. 7, 1974	15	—	620	255	419	—	181	2,120	740	3.3	151.0	—	4,412	2,590	4,900	7.2	26.0	3.5	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PD-48-07-204	Plbs	325	June 5, 1979	15	—	579	311	497	—	181	2,184	840	1.8	158.0	—	4,674	2,727	3,700	7.4	28.4	4.1	0.0
205	Plbs	256	Aug. 6, 1948	16	—	213	79	25	—	260	624	32	—	2.8	—	1,119	856	1,470	—	6.0	.3	.0
205	Plbs	256	Aug. 9, 1949	—	—	—	—	—	—	254	—	35	—	—	—	159	—	—	—	—	—	—
205	Plbs	256	May 20, 1954	15	—	285	173	240	—	232	1,180	312	—	82.0	—	2,401	1,420	3,190	7.5	26.8	2.7	.0
205	Plbs	256	Mar. 31, 1959	16	—	342	177	268	—	222	1,250	420	—	106.0	—	2,688	1,580	3,500	7.2	26.9	2.9	.0
205	Plbs	256	Aug. 4, 1967	14	—	439	222	437	—	183	1,780	580	2.4	156.0	—	3,720	2,010	4,490	7.4	32.1	4.2	.0
205	Plbs	256	Aug. 6, 1968	12	—	431	225	432	—	196	1,900	481	2.5	43.0	—	3,622	2,000	4,350	7.3	32.0	4.2	.0
206	Plbs	250	Mar. 31, 1959	—	—	—	—	—	—	227	1,090	320	—	—	—	1,521	1,390	3,070	—	—	—	—
206	Plbs	250	July 27, 1966	13	—	390	248	520	—	195	1,730	640	2.8	230.0	—	3,869	2,000	4,780	7.2	36.2	5.0	.0
206	Plbs	250	May 16, 1967	13	—	460	233	550	—	177	1,860	660	2.5	312.0	—	4,177	2,110	4,850	7.1	36.2	5.2	.0
206	Plbs	250	Aug. 6, 1968	12	—	459	255	640	—	172	2,230	594	3.1	286.0	—	4,563	2,200	5,200	7.1	38.8	5.9	.0
213	Plbs	300	Aug. 1, 1966	13	—	448	207	280	—	192	1,400	510	2.4	200.0	—	3,154	1,970	3,960	7.3	23.6	2.7	.0
213	Plbs	300	May 16, 1967	13	—	493	233	340	—	176	1,600	610	2.4	270.0	—	3,647	2,190	4,570	7.2	25.2	3.1	.0
213	Plbs	300	Apr. 9, 1968	12	—	498	227	340	—	159	1,790	520	2.5	210.0	—	3,677	2,180	4,290	7.4	25.4	3.1	.0
213	Plbs	300	Oct. 7, 1974	15	—	510	238	315	—	177	1,750	600	3.5	177.0	—	3,695	2,250	4,210	7.6	23.3	2.8	.0
213	Plbs	300	June 5, 1979	15	—	536	236	332	—	200	1,730	607	1.8	176.8	—	3,732	2,312	3,100	7.5	23.8	3.0	.0
217	Plbs	—	Oct. 11, 1974	13	—	275	94	62	—	212	620	178	2.6	166.0	—	1,514	1,080	1,940	7.9	11.2	.8	.0
217	Plbs	—	June 5, 1979	12	—	565	190	230	—	107	1,680	443	1.9	185.8	—	3,360	2,194	2,790	7.7	18.6	2.1	.0
301	Plbs	150	Aug. 12, 1948	13	—	448	207	280	—	192	1,400	510	—	200.0	—	3,152	1,970	3,960	7.3	23.6	2.7	.0
301	Plbs	150	May 25, 1954	18	—	276	103	55	—	226	925	55	—	8.5	—	1,551	1,110	1,890	7.4	9.7	.7	.0
301	Plbs	150	Mar. 31, 1959	12	—	318	118	76	—	214	1,330	88	—	16.5	—	2,063	1,280	2,220	7.4	11.4	.9	.0
301	Plbs	150	July 25, 1963	14	—	256	117	70	—	217	910	81	2.2	12.0	—	1,568	1,120	1,990	7.3	12.0	.9	.0
309	Plbs	200	Aug. 1, 1966	16	—	332	124	175	—	248	860	408	—	7.0	—	2,043	1,340	2,870	7.3	22.1	2.0	.0
309	Plbs	200	Aug. 6, 1968	12	—	404	145	197	—	239	1,200	415	2.4	7.5	—	2,500	1,610	3,150	7.4	21.1	2.1	.0
309	Plbs	200	May 28, 1975	14	—	403	140	235	—	253	1,190	469	2.0	14.0	—	2,591	1,580	3,130	7.3	24.4	2.5	.0
405	Plbs	230	Sept. 26, 1963	18	—	192	295	446	—	216	1,320	740	2.2	82.0	—	3,201	1,690	4,360	6.9	36.4	4.7	.0
405	Plbs	230	July 27, 1966	16	—	392	191	396	—	209	1,260	730	2.3	88.0	—	3,178	1,770	4,200	7.8	32.8	4.1	.0
405	Plbs	230	May 16, 1967	14	—	414	211	493	—	121	1,540	820	2.2	170.0	—	3,723	1,900	4,640	7.8	36.1	4.9	.0
405	Plbs	230	Apr. 9, 1968	16	—	435	219	471	—	195	1,630	800	2.4	110.0	—	3,779	1,990	4,710	7.4	34.0	4.5	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PD-48-07-417	Plbs	1,305	May 28, 1975	17	—	476	155	195	—	205	1,590	283	2.5	34.0	—	2,853	1,830	3,150	7.3	18.8	1.9	0.0
417	Plbs	1,305	June 5, 1979	18	—	500	174	227	5.0	206	1,764	302	1.9	31.5	—	3,124	1,966	2,550	7.4	20.0	2.2	.0
422	Plbs	—	May 28, 1975	15	—	495	227	580	—	182	1,820	930	2.7	133.0	—	4,292	2,170	5,000	7.4	36.8	5.4	.0
422	Plbs	—	June 5, 1979	16	—	497	231	554	—	178	1,613	1,008	1.7	122.0	—	4,130	2,190	3,570	7.6	35.5	5.1	.0
501	Plbs	220	Mar. 12, 1948	—	—	216	86	54	—	208	695	82	—	1.2	—	1,236	892	1,720	—	11.6	.7	.0
501	Plbs	220	Aug. 5, 1948	19	—	189	92	175	—	150	609	335	—	1.2	—	1,493	850	2,460	—	30.9	2.6	.0
501	Plbs	220	Aug. 9, 1949	15	—	235	82	246	—	276	649	392	—	1.5	—	1,756	924	2,590	7.2	36.7	3.5	.0
501	Plbs	220	Mar. 22, 1960	16	—	458	185	448	—	223	1,450	820	—	63.0	—	3,549	1,900	4,850	6.9	33.8	4.4	.0
501	Plbs	220	May 16, 1967	16	—	404	165	459	—	243	1,270	830	2.0	26.0	—	3,291	1,690	4,360	7.5	37.2	4.8	.0
501	Plbs	220	Apr. 9, 1968	17	—	358	264	510	—	138	1,670	890	2.1	39.0	—	3,817	1,980	4,870	7.8	35.9	4.9	.0
502	Plbs	201	Mar. 3, 1948	22	—	144	150	156	—	280	801	178	—	1.2	—	1,589	976	2,210	—	25.8	2.1	.0
502	Plbs	201	July 25, 1963	16	—	590	278	481	—	210	1,690	1,140	2.3	78.0	—	4,378	2,630	5,650	7.1	28.6	4.0	.0
502	Plbs	201	Sept. 26, 1963	19	—	620	261	462	—	224	1,730	1,180	2.1	35.0	—	4,419	2,630	5,740	6.9	27.7	3.9	.0
502	Plbs	201	Aug. 1, 1966	17	—	650	290	441	—	211	1,780	1,190	2.2	21.0	—	4,494	2,810	5,545	7.1	25.4	3.6	.0
502	Plbs	201	Aug. 3, 1967	17	—	660	303	472	—	215	1,870	1,260	2.0	68.0	—	4,757	2,900	5,850	7.2	26.2	3.8	.0
502	Plbs	201	Apr. 9, 1968	17	—	680	296	480	—	212	1,910	1,280	2.4	43.0	—	4,812	2,920	5,950	7.6	26.4	3.8	.0
502	Plbs	201	June 6, 1979	17	—	688	317	750	—	201	2,302	1,484	1.5	96.2	—	5,754	3,024	4,390	7.7	35.1	5.9	.0
601	Plbs	260	Mar. 25, 1960	15	—	228	77	204	—	278	592	345	—	4.8	—	1,602	886	2,420	7.0	33.4	2.9	.0
601	Plbs	260	July 26, 1963	14	—	232	94	228	—	275	620	380	1.7	4.0	—	1,708	970	2,510	7.3	33.9	3.1	.0
601	Plbs	260	Apr. 26, 1967	14	—	280	85	229	—	272	700	410	1.5	5.3	—	1,858	1,050	2,570	7.6	32.2	3.0	.0
601	Plbs	260	Apr. 22, 1968	13	—	290	104	225	—	270	830	431	1.6	1.0	—	2,028	1,150	2,790	7.4	29.8	2.8	.0
601	Plbs	260	May 28, 1975	14	—	301	94	257	—	271	810	449	2.0	8.0	—	2,068	1,140	2,750	7.5	32.9	3.3	.0
603	Plbs	200	Mar. 11, 1948	22	—	242	100	115	—	268	867	100	—	2.5	—	1,580	1,020	2,030	—	19.8	1.5	.0
603	Plbs	200	June 22, 1954	20	—	280	96	100	—	270	771	211	—	3.0	—	1,613	1,090	2,200	7.2	16.6	1.3	.0
603	Plbs	200	Aug. 1, 1966	13	—	463	33	254	—	267	940	421	1.8	14.0	—	2,271	1,290	2,960	7.7	30.0	3.0	.0
702	Plbs	—	July 27, 1966	15	—	339	150	460	—	265	1,060	790	1.8	19.0	—	2,965	1,417	4,040	7.3	40.6	5.2	.0
702	Plbs	—	Aug. 3, 1967	16	—	386	143	479	—	249	1,160	870	2.0	25.0	—	3,203	1,550	4,360	7.2	40.2	5.2	.0
702	Plbs	—	Apr. 22, 1968	15	—	356	172	540	—	101	1,400	870	2.0	30.0	—	3,434	1,600	4,590	7.9	42.4	5.8	.0
706	Plbs	835	July 25, 1963	14	—	225	85	328	—	290	590	530	1.5	2.0	—	1,918	910	2,950	7.3	43.9	4.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PD-48-07-706	Plbs	835	July 27, 1966	16	—	287	104	396	—	276	780	660	1.7	8.0	—	2,388	1,150	3,465	7.4	43.0	5.0	0.0
706	Plbs	835	May 16, 1967	16	—	297	106	428	—	278	850	710	1.6	9.0	—	2,554	1,180	3,640	7.4	44.2	5.4	.0
706	Plbs	835	Apr. 9, 1968	17	—	273	101	398	—	161	820	650	1.6	7.0	—	2,346	1,100	3,500	7.8	44.1	5.2	.0
706	Plbs	835	June 6, 1979	17	—	344	108	403	—	283	994	644	1.2	7.4	—	2,657	1,307	2,600	7.8	40.2	4.8	.0
801	Plbs	200	Apr. 26, 1967	16	—	530	275	950	—	229	2,000	1,540	2.3	25.0	—	5,450	2,450	7,160	7.5	45.7	8.3	.0
801	Plbs	200	Aug. 6, 1968	16	—	541	339	1,090	—	232	2,350	1,790	2.5	37.5	—	6,280	2,740	7,620	7.2	46.4	9.0	.0
801	Plbs	200	June 6, 1979	18	—	538	306	952	—	231	2,117	1,512	1.8	44.2	—	5,602	2,604	4,590	7.5	44.3	8.1	.0
807	Plbs	—	June 24, 1954	18	—	336	149	540	—	273	1,030	930	—	27.0	—	3,164	1,450	4,670	7.3	44.7	6.1	.0
807	Plbs	—	Apr. 26, 1967	17	—	414	173	510	—	237	1,380	890	2.0	30.0	—	3,532	1,750	4,660	7.8	38.9	5.3	.0
807	Plbs	—	Aug. 6, 1968	17	—	375	159	498	—	245	1,300	780	1.7	23.5	—	3,274	1,590	4,350	7.1	40.5	5.4	.0
901	Plbs	300	May 21, 1968	15	—	215	87	160	—	95	700	320	1.4	3.5	—	1,550	900	2,200	7.8	—	—	—
902	Plbs	180	Apr. 9, 1968	15	—	433	172	560	—	228	1,400	1,000	1.9	11.5	—	3,710	1,790	4,860	7.7	—	—	—
904	Plbs	780	Aug. 7, 1968	15	—	392	190	630	—	264	1,350	1,030	2.1	15.5	—	3,754	1,760	5,000	7.3	43.8	6.5	.0
904	Plbs	780	June 6, 1979	18	—	522	248	773	—	255	1,646	1,400	1.6	22.6	—	4,756	2,324	4,140	7.3	42.0	6.9	.0
914	Plbs	1,212	May 29, 1975	19	—	560	192	500	—	256	1,620	1,040	2.5	5.5	—	4,064	2,200	4,860	7.4	33.2	4.6	.0
08-401	Plbs	250	July 25, 1963	18	—	550	231	435	—	203	2,040	640	2.0	22.0	—	4,037	2,310	4,850	7.4	28.9	3.9	.0
401	Plbs	250	Aug. 6, 1968	17	—	478	221	318	—	200	1,810	494	2.3	18.0	—	3,456	2,100	4,110	7.8	24.8	3.0	.0
403	Plbs	247	Aug. 3, 1967	20	—	317	111	208	—	254	950	368	1.8	< .4	—	2,101	1,250	2,700	7.2	26.6	2.5	.0
15-101	Plbs	3,900	June 8, 1954	19	—	248	89	293	12.0	292	670	510	1.6	1.0	0.2	1,987	985	2,920	7.4	38.9	4.0	.0
101	Plbs	3,900	July 2, 1960	18	—	255	84	339	—	285	696	512	—	5.0	—	2,049	982	3,070	6.8	42.9	4.7	.0
101	Plbs	3,900	July 26, 1963	15	—	260	100	361	—	277	740	550	1.9	5.0	—	2,169	1,060	3,200	7.3	42.6	4.8	.0
101	Plbs	3,900	Aug. 1, 1966	16	—	270	97	349	—	278	770	560	1.9	8.0	—	2,208	1,080	3,150	7.4	41.4	4.6	.0
101	Plbs	3,900	July 24, 1967	17	—	288	89	335	—	279	780	580	1.9	9.0	—	2,237	1,090	3,200	7.4	40.2	4.4	.0
203	Plbs	325	May 21, 1954	18	—	200	85	267	—	301	520	450	1.4	2.8	.2	1,692	848	2,680	7.4	40.6	3.9	.0
203	Plbs	325	Aug. 1, 1966	16	—	246	86	316	—	292	640	540	1.5	< .4	—	1,989	970	2,855	7.4	41.5	4.4	.0
203	Plbs	325	Apr. 26, 1967	16	—	260	75	301	—	293	620	530	1.6	< .4	—	1,948	960	2,910	7.5	40.6	4.2	.0
203	Plbs	325	May 21, 1968	15	—	222	75	345	—	211	660	520	1.4	2.5	—	1,944	860	2,820	7.6	46.5	5.1	.0
203	Plbs	385	June 6, 1979	17	—	281	91	350	—	289	689	620	1.1	3.9	—	2,195	1,077	2,330	7.6	41.4	4.6	.0
204	Plbs	—	July 2, 1960	18	—	255	84	339	—	285	696	512	—	5.0	—	2,049	982	3,070	6.8	42.9	4.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PD-48-15-204	Plbs	—	Aug. 1, 1966	16	—	353	172	620	—	271	1,120	1,060	1.9	10.0	—	3,486	1,590	4,800	7.7	45.9	6.7	0.0
204	Plbs	—	Aug. 3, 1967	14	—	400	192	780	—	267	1,400	1,300	1.9	19.5	—	4,238	1,790	5,690	7.1	48.7	8.0	.0
301	Plbs	320	July 25, 1963	14	—	224	90	328	—	270	610	520	1.6	3.0	—	1,923	930	2,900	7.2	43.4	4.6	.0
301	Plbs	320	July 27, 1966	15	—	252	87	312	—	287	660	540	1.6	3.0	—	2,011	990	3,000	7.4	40.8	4.3	.0
301	Plbs	320	Apr. 26, 1967	16	—	280	81	326	—	293	720	550	1.6	7.0	—	2,125	1,030	3,110	7.8	40.7	4.4	.0
302	Plbs	633	July 27, 1963	14	—	242	95	316	—	281	600	560	1.7	3.0	—	1,969	1,000	2,990	7.4	40.9	4.3	.0
302	Plbs	633	Aug. 3, 1967	15	—	292	85	311	—	281	660	640	1.6	5.0	—	2,147	1,080	3,160	7.3	38.6	4.1	.0
305	Plbs	278	May 21, 1968	16	—	466	166	550	—	244	1,170	1,170	1.8	10.0	—	3,669	1,850	5,080	7.6	39.3	5.5	.0
601	Plbs	2,260	May 29, 1975	16	—	259	82	273	—	279	620	479	1.8	8.0	—	1,875	980	2,700	7.4	37.6	3.7	.0
601	Plbs	2,260	June 6, 1979	16	—	286	91	316	—	275	655	598	1.1	37.3	—	2,135	1,091	2,260	7.7	38.7	4.1	.0
801	Plbs	450	Dec. 9, 1948	13	—	292	156	147	—	202	1,510	142	—	1.8	—	2,361	1,620	2,950	—	18.9	1.7	.0
902	Plbs	250	July 25, 1963	14	—	220	90	272	—	267	600	436	1.7	9.0	—	1,773	920	2,650	7.3	39.2	3.9	.0
23-201	Plbs	600	July 26, 1963	14	—	122	57	90	—	134	425	85	2.8	34.0	—	895	540	1,350	7.4	26.6	1.6	.0
201	Plbs	600	Aug. 2, 1966	10	—	134	67	81	—	139	471	91	2.9	27.0	—	952	610	1,360	7.5	22.4	1.4	.0
201	Plbs	600	Aug. 4, 1967	10	—	147	58	87	—	146	479	96	3.7	33.0	—	985	610	1,395	7.5	23.8	1.5	.0
201	Plbs	600	Aug. 7, 1968	10	—	143	59	80	—	142	486	85	2.9	31.0	—	966	600	1,470	7.2	22.5	1.4	.0
201	Plbs	600	May 29, 1975	10	—	183	66	101	—	157	620	108	3.6	30.0	—	1,198	730	1,570	7.4	23.2	1.6	.0
201	Plbs	600	June 6, 1979	11	—	174	65	101	—	160	605	92	2.8	29.5	—	1,158	702	1,250	7.5	23.8	1.6	.0
33-713	QalRG	225	July 28, 1977	39	—	303	66	970	—	346	890	1,320	.6	< .4	—	3,759	1,030	5,190	7.8	67.2	13.1	.0
41-101	QalRG	172	June 17, 1977	36	—	227	47	810	—	359	840	1,020	.6	< .4	—	3,157	760	4,500	7.8	69.9	12.7	.0
203	QalRG	153	June 16, 1977	31	—	298	82	1,060	—	246	790	1,750	1.1	< .4	—	4,133	1,080	5,950	7.9	68.1	14.0	.0
212	QalRG	92	July 28, 1977	34	—	270	49	660	—	394	760	820	.5	< .4	—	2,787	880	3,890	7.8	62.1	9.7	.0
217	QalRG	160	June 17, 1977	36	—	520	119	1,710	—	435	1,650	2,390	.5	< .4	—	6,639	2,000	8,550	7.6	67.5	17.5	.0
220	QalRG	64	June 16, 1977	40	—	358	82	1,310	—	492	1,550	1,490	1.1	< .4	—	5,073	1,230	6,510	7.8	69.8	16.2	.0
507	QalRG	100	June 28, 1977	36	—	356	82	890	19.0	400	980	1,340	.5	< .4	—	3,900	1,230	5,310	7.6	60.8	11.0	.0
509	QalRG	100	do	36	—	530	135	1,360	—	428	1,380	2,190	.6	1.0	—	5,843	1,880	7,640	7.5	61.2	13.6	.0
615	QalRG	140	July 28, 1977	35	—	339	60	630	—	365	810	920	.6	< .4	—	2,974	1,100	4,150	7.6	55.6	8.2	.0
623	QalRG	75	June 16, 1977	30	—	129	24	143	—	177	249	246	.4	< .4	—	908	422	1,450	7.6	42.5	3.0	.0
623	QalRG	75	June 11, 1979	32	—	239	43	193	—	205	385	449	.4	.1	—	1,442	776	1,700	7.9	35.2	3.0	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PD-48-41-902	QalRG	200	June 16, 1977	38	—	412	84	650	15.0	388	1,030	1,050	0.4	< 0.4	—	3,470	1,370	4,640	7.8	50.4	7.6	0.0
42-701	QalRG	283	Jne 28, 1977	27	—	347	72	870	—	482	1,090	1,140	.6	< .4	—	3,783	1,160	5,160	7.6	62.0	11.1	.0
705	QalRG	—	do	34	—	479	109	1,220	—	267	1,040	2,180	.4	< .4	—	5,194	1,650	7,100	7.5	61.8	13.0	.0
50-202	QalRG	102	do	36	—	31	7	95	—	224	70	31	3.2	5.5	—	388	104	590	7.6	66.1	4.0	1.5
202	QalRG	102	June 11, 1979	35	—	31	8	90	—	232	62	25	3.3	4.0	—	372	111	535	7.8	64.0	3.7	1.5
206	QalRG	95	May 20, 1974	7	—	260	109	1,050	—	310	540	1,760	.7	73.0	—	3,952	1,100	5,650	7.2	67.6	13.7	.0
604	QalRG	68	do	16	—	520	135	870	—	218	1,120	1,740	1.2	2.7	—	4,512	1,860	5,880	7.4	50.5	8.7	.0
615	QalRG	64	do	2	—	82	62	990	—	23	820	1,190	1.0	59.0	—	3,217	457	4,650	6.1	82.4	20.0	.0
51-713	QalRG	18	Feb. 15, 1974	35	—	217	49	570	—	412	640	720	1.1	.6	—	2,435	750	3,400	7.3	62.5	9.0	.0
901	QalRG	68	May 21, 1974	2	—	32	48	910	—	226	660	970	1.6	1.7	—	2,736	280	4,090	7.5	87.7	23.7	.0
901	QalRG	68	May 22, 1974	2	—	143	163	2,110	—	72	1,290	2,960	2.1	24.0	—	6,729	1,030	8,700	6.5	81.7	28.6	.0
54-410	Kc	1,226	July 30, 1977	9	—	19	5	219	—	339	144	75	7.3	< .4	—	645	70	1,082	7.8	87.5	11.5	4.1
60-101	QalRG	84	May 21, 1974	7	—	351	136	1,540	—	403	1,240	2,200	1.9	3.1	—	5,677	1,440	7,030	7.6	70.0	17.6	.0
61-201	K	690	Feb. 18, 1970	11	—	53	33	106	—	298	212	30	2.1	< .4	—	594	271	905	7.8	46.2	2.8	.0
62-701	QTal	525	July 25, 1963	15	—	249	110	353	—	267	820	510	—	21.0	—	2,209	1,070	3,210	7.4	41.7	4.6	.0
701	QTal	525	Feb. 18, 1970	5	—	26	23	119	—	231	171	33	2.3	1.5	—	494	161	789	7.5	61.9	4.0	.5

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Jeff Davis County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PS-47-62-901	Qal	240	Oct. 28, 1970	49	—	18	5	20	—	102	9	10	0.5	< 0.4	—	162	66	214	8.5	39.9	1.0	0.3
63-903	K	550	Mar. 19, 1971	3	—	26	3	12	—	111	6	4	.5	< .4	—	109	80	195	—	25.3	.5	.2
64-102	Qal?	300	Mar. 13, 1970	26	—	97	24	48	—	262	203	12	.6	3.0	—	542	340	795	7.5	23.4	1.1	.0
701	Tv	Spring	Oct. 21, 1970	47	—	36	4	16	—	148	8	6	.8	1.0	—	191	107	258	7.6	24.7	.6	.3
706	Qal?	Spring	do	40	—	30	3	14	—	117	7	7	.6	4.0	—	163	87	218	7.0	25.9	.6	.1
51-05-601	Tv	145	Mar. 17, 1971	46	—	68	19	70	—	182	197	38	.9	6.5	—	534	248	768	7.4	38.0	1.9	.0
801	Tv	142	Mar. 12, 1971	50	—	68	5	9	—	210	16	6	.6	12.0	—	269	192	385	7.6	9.3	.2	.0
06-201	K	240	Oct. 28, 1970	24	—	7	3	82	—	173	28	22	1.1	< .4	—	252	29	394	7.9	85.7	6.5	2.2
301	Qal	30	do	56	—	22	5	28	—	120	12	12	1.1	1.0	—	196	75	259	8.6	44.7	1.4	.4
401	K	430	Mar. 17, 1971	14	—	19	9	293	5.0	468	243	62	4.0	< .4	—	879	84	1,330	7.6	87.5	13.8	5.9
07-101	K	888	Oct. 26, 1970	3	—	101	67	413	—	89	540	580	2.2	< .4	—	1,750	530	2,610	7.5	63.0	7.8	.0
105	Qal	30	Oct. 28, 1970	51	—	39	6	31	—	165	24	20	1.0	1.2	—	254	121	353	7.7	35.6	1.2	.2
106	Tv	Spring	do	44	—	25	3	34	—	137	16	18	.9	< .4	—	208	77	295	7.2	49.7	1.7	.7
201	Tv	114	do	29	—	19	6	76	8.0	205	33	29	2.1	< .4	—	303	72	466	8.3	66.8	3.8	1.9
501	Tv	240	Oct. 26, 1970	38	—	33	2	29	8.0	159	12	10	1.2	6.5	—	217	92	313	7.5	38.5	1.3	.7
502	Tv	Spring	do	26	—	20	1	6	—	48	17	8	.1	3.5	—	105	56	141	7.7	19.5	.3	.0
503	Tv	620	do	47	—	21	5	23	—	127	7	11	.9	< .4	—	177	74	235	8.2	40.7	1.1	.6
504	Tv	600	Oct. 28, 1970	22	—	40	4	31	—	188	15	15	.8	< .4	—	220	118	353	7.7	36.7	1.2	.7
601	Qal	175	Mar. 18, 1971	37	—	32	4	20	—	146	13	6	.8	2.1	—	186	100	276	7.3	31.1	.8	.4
701	Tv	400	Oct. 26, 1970	40	—	14	2	55	6.0	177	10	10	1.1	< .4	—	225	43	321	7.4	70.2	3.6	2.0
702	Qal	83	do	42	—	62	8	20	—	226	27	14	.8	< .4	—	285	187	427	7.3	18.8	.6	.0
802	Tv	Spring	do	38	—	20	3	9	—	49	29	9	.2	< .4	—	132	63	175	6.9	23.9	.4	.0
803	Tv	434	do	42	—	55	10	18	—	237	11	11	.9	< .4	—	264	177	394	8.1	18.0	.5	.3
902	Qal	100	Mar. 19, 1971	60	—	56	7	13	4.0	216	6	15	.4	< .4	—	268	168	373	7.1	14.0	.4	.1
08-104	Tv(?)	30	Mar. 18, 1971	34	—	38	6	20	—	167	11	6	.6	1.5	—	199	119	298	7.6	26.7	.7	.3
105	QTal, Tv	32	do	41	—	33	4	12	—	131	7	4	.4	1.8	—	167	97	230	7.4	20.9	.5	.1
14-301	Tv(?)	866	Oct. 26, 1970	40	—	43	7	23	—	178	15	13	.8	1.4	—	230	135	344	7.4	26.9	.8	.1
302	Tv	400	Oct. 28, 1970	31	—	20	5	16	3.0	105	4	10	.5	< .4	—	141	69	204	8.6	31.9	.8	.3
402	Tv	413	Mar. 23, 1971	41	—	33	3	35	—	171	15	10	1.5	2.0	—	224	96	329	7.6	44.6	1.5	.9
501	Tv	200	Mar. 25, 1971	62	—	66	10	29	—	246	24	20	1.5	9.5	—	342	206	488	7.5	23.4	.8	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Jeff Davis County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PS-51-14-701	Tv	731	Mar. 25, 1971	41	—	37	5	19	—	145	15	11	1.2	1.5	—	201	112	291	7.6	26.8	0.7	0.1
801	Tv	689	Mar. 24, 1971	41	—	48	6	47	—	253	19	11	1.5	2.0	—	299	144	447	7.5	41.4	1.7	1.2
802	Tv	360	do	53	—	40	6	19	—	166	12	8	1.7	2.0	—	223	123	313	7.3	24.9	.7	.2
15-101	Tv(?)	915	Oct. 26, 1970	40	—	32	6	23	—	160	11	12	1.0	< .4	—	204	105	298	8.0	32.4	.9	.5
201	Tv(?)	400	do	38	—	49	9	36	—	237	19	17	1.1	4.0	—	289	159	443	8.0	33.0	1.2	.6
301	Qal	100	Mar. 19, 1971	50	—	46	5	13	—	172	9	10	.7	< .4	—	218	137	306	7.5	17.3	.4	.1
302	Qal	130	do	44	—	39	4	9	—	137	8	7	.4	1.5	—	180	115	250	7.3	14.7	.3	.0
19-104	QTal	480	Aug. 11, 1966	18	—	9	3	58	—	161	13	7	1.0	< .4	—	188	37	300	7.5	78.4	4.2	1.9
104	QTal	480	June 10, 1975	32	—	12	1	64	—	167	17	11	1.2	2.8	—	223	32	336	8.1	80.3	4.7	2.0
104	QTal	480	June 19, 1979	33	—	9	1	62	—	159	17	8	1.0	1.3	—	210	25	295	7.8	83.5	5.2	2.0
203	QTal	447	do	64	—	18	3	95	5.4	222	53	16	2.0	7.0	—	372	56	434	8.4	76.3	5.4	2.4
301	QTal	585	July 19, 1967	53	—	2	11	85	—	205	37	13	1.8	4.0	—	307	51	440	7.3	78.6	5.2	2.3
301	QTal	585	June 10, 1975	51	—	16	2	82	—	205	36	15	1.9	5.4	—	310	50	448	8.0	78.7	5.1	2.3
301	QTal	585	June 19, 1979	59	—	17	3	80	4.9	215	43	16	1.7	.3	—	330	55	431	8.2	74.0	4.7	2.4
902	QTal	170	do	40	—	63	3	20	2.6	177	41	17	.4	9.0	—	283	168	398	—	20.1	.6	.0
21-301	Tv	700	Mar. 24, 1971	46	—	35	5	29	—	166	13	10	1.9	2.0	—	223	107	324	7.6	36.9	1.2	.5
23-102	Tv	420	Mar. 23, 1971	48	—	48	7	27	—	205	15	13	1.4	2.5	—	262	148	377	7.5	28.3	.9	.3
301	Tv	846	Mar. 22, 1971	49	—	52	7	26	—	223	12	10	1.9	2.5	—	270	160	388	7.7	26.3	.8	.4
401	K	721	Mar. 23, 1971	30	—	38	7	79	—	254	42	16	3.7	< .4	—	340	122	520	8.5	58.2	3.0	1.6
24-601	Tv	1,330	Apr. 24, 1961	44	—	46	9	51	5.0	294	8	8	3.0	2.2	0.1	320	150	493	7.8	41.2	1.8	1.7
601	Tv	1,330	Dec. 3, 1969	33	—	49	10	41	—	279	10	7	2.5	< .4	—	290	163	454	7.6	35.3	1.3	1.3
52-01-201	K	150	Sept. 18, 1969	44	—	60	4	20	9.0	232	13	9	.5	3.0	—	276	167	406	7.2	19.7	.6	.4
203	K	200	Mar. 12, 1971	46	—	65	6	35	—	284	21	11	.6	2.3	—	326	190	485	7.5	28.9	1.1	.9
401	Kce-Kct	314	Apr. 20, 1961	34	—	88	6	8	2.3	257	17	14	.3	16.0	—	311	244	502	6.8	6.6	.2	.0
401	Kce-Kct	314	May 4, 1973	15	—	40	5	8	—	126	16	11	.2	2.7	—	159	121	270	7.2	12.6	.3	.0
902	Kce-Kct	623	May 15, 1969	22	—	56	15	9	—	233	24	4	.9	1.5	—	246	204	403	7.9	8.8	.2	.0
902	Kce-Kct	623	Oct. 10, 1969	29	—	18	7	37	—	83	53	22	1.2	< .4	—	208	73	336	8.3	52.2	1.8	.0
902	Kce Kct	623	Oct. 18, 1969	18	—	49	20	23	—	245	39	12	1.3	< .4	—	283	204	469	7.7	19.6	.6	.0
02-401	K	85	Mar. 11, 1970	24	—	263	78	560	—	293	840	770	1.9	< .4	—	2,681	980	3,620	7.4	55.5	7.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Jeff Davis County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
PS-52-02-404	Qal	285	Mar. 18, 1970	29	—	50	4	9	—	179	8	5	0.3	3.0	—	196	144	311	7.3	12.2	0.3	0.1
405	K	Spring	June 6, 1969	19	—	182	72	456	—	207	670	640	2.1	< .4	—	2,143	750	3,140	7.7	56.9	7.2	.0
405	K	Spring	Apr. 28, 1971	16	—	192	91	467	1.9	278	680	650	2.2	< .4	0.5	2,237	850	3,150	7.4	54.3	6.9	.0
09-201	Kce-Kct	700	May 15, 1969	29	—	62	13	20	—	250	35	6	.8	1.0	—	289	207	451	7.9	17.3	.6	.0
301	Kce-Kct	635	do	33	—	81	7	10	—	261	26	5	.5	< .4	—	291	232	460	7.6	8.6	.2	.0
501	Tv	428	May 27, 1969	38	—	33	3	13	—	129	8	7	1.3	1.0	—	167	97	246	7.3	23.0	.5	.2
10-101	Tv	Spring	May 15, 1969	65	—	49	7	25	—	198	29	5	.8	1.5	—	279	151	370	7.6	26.5	.8	.2
202	Tv	Spring	May 21, 1969	44	—	48	5	15	—	183	10	6	.8	1.5	—	220	139	321	7.4	18.9	.5	.1
301	Tv	149	July 30, 1970	55	—	74	8	20	—	272	18	15	.5	5.0	—	329	218	487	7.4	16.7	.5	.1
601	Tv	270	May 21, 1969	49	—	63	7	20	—	256	10	10	.7	1.5	—	287	185	439	7.4	19.0	.6	.4
601	Tv	270	July 30, 1970	53	—	63	6	18	7.0	249	13	12	.6	< .4	—	295	184	426	7.4	17.0	.5	.4
603	Qal	88	do	78	—	65	6	34	—	270	26	15	1.1	< .4	—	358	190	490	7.5	28.4	1.0	.6
11-501	Tv	Spring	do	34	—	36	3	9	—	128	5	4	.3	4.0	—	158	103	231	7.5	16.1	.3	.0
702	Qal	100	Sept. 1, 1970	32	—	46	5	15	—	162	19	8	.8	2.5	—	207	134	321	7.3	19.4	.5	.0
706	Qal	23	Sept. 3, 1970	43	—	49	4	15	—	176	18	8	.7	< .4	—	224	139	329	7.4	19.0	.5	.1
707	Qal	Spring	Sept. 1, 1970	39	—	29	3	14	—	122	7	7	.7	< .4	—	160	86	230	7.3	26.4	.6	.3
802	Tv, Qal	Spring	do	34	—	55	4	10	—	201	6	5	.6	< .4	—	213	152	324	7.7	12.4	.3	.2
804	Qal	120	Sept. 8, 1970	50	—	52	5	16	—	195	15	6	.8	3.5	—	244	150	350	7.3	18.8	.5	.1
902	Tv	250	do	48	—	48	6	25	—	216	13	8	.9	< .4	—	255	144	368	7.8	27.4	.9	.6
12-702	Qal	50	do	46	—	37	4	16	3.0	163	7	6	.7	< .4	—	200	110	280	7.4	23.6	.6	.4
18-301	Tv	Spring	Sept. 1, 1970	39	—	45	4	13	—	167	8	8	1.0	1.0	—	201	130	304	7.6	18.0	.4	.1
302	Tv	Spring	do	43	—	47	4	14	—	172	9	8	1.0	1.0	—	211	133	312	7.5	18.5	.5	.1
19-501	Tv	Spring	Sept. 4, 1970	25	—	13	2	6	—	43	12	4	.2	< .4	—	83	41	112	7.0	24.3	.4	.0
20-101	Qal	30	do	39	—	49	4	16	—	182	13	9	.9	1.0	—	221	142	336	7.4	20.0	.5	.2
102	Qal	30	do	48	—	48	4	12	—	156	17	7	.7	9.0	—	222	137	318	7.2	16.1	.4	.0
104	Qal	30	do	34	—	31	4	15	—	134	10	7	.7	< .4	—	167	95	251	7.5	25.8	.6	.3
105	Tv	540	do	34	—	3	1	83	—	216	10	7	1.1	1.0	—	246	12	362	8.0	94.0	10.6	3.3
401	Qal	135	do	39	—	45	3	8	—	149	8	7	.2	1.0	—	184	123	264	8.2	12.2	.3	.0
25-302	Tv, Qal	152	Dec. 7, 1971	39	—	70	10	37	—	288	21	19	2.3	8.0	—	347	217	538	7.6	27.2	1.0	.4
302	Tv, Qal	152	June 28, 1979	54	—	90	17	45	—	352	33	29	2.3	27.3	—	470	295	655	7.9	24.9	1.1	.0
26-101	Tv, Qal	95	Dec. 7, 1971	35	—	41	6	17	—	160	17	7	1.2	< .4	—	203	126	306	7.4	22.6	.6	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Loving County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
SL-46-01-301	Qal	—	Aug. 17, 1978	28	—	796	167	1,658	—	141	2,352	2,688	1.6	5.8	—	7,765	2,677	6,480	7.3	57.4	13.9	0.0
02-201	Trdsr, Qal	—	Oct. 18, 1974	34	—	151	26	33	—	163	320	60	2.8	< .4	—	707	484	965	7.9	12.9	.6	.0
201	Trdsr, Qal	—	Aug. 17, 1978	50	—	181	35	34	—	148	426	55	2.0	11.0	—	866	599	1,034	7.7	11.0	.6	.0
601	Qal	300	Oct. 17, 1974	39	—	158	30	40	—	161	165	214	2.3	10.0	—	737	520	1,155	7.3	14.4	.7	.0
603	Trdsr, Qal	238	do	25	—	600	76	1,090	—	116	1,470	1,830	2.1	< .4	—	5,150	1,810	6,300	7.3	56.7	11.1	.0
603	Trdsr, Qal	238	Aug. 17, 1978	30	—	545	61	1,053	—	131	1,400	1,686	1.3	.5	—	4,841	1,613	4,740	7.2	58.7	11.4	.0
03-803	Trdsr, Qal	—	Oct. 22, 1974	25	—	92	21	78	—	231	188	75	1.4	2.5	—	596	314	890	7.7	34.9	1.9	.0
901	Trdsr, Qal	—	do	42	—	208	48	324	—	151	610	484	3.5	10.0	—	1,803	720	2,500	7.7	49.6	5.2	.0
04-201	Trdsr, Qal	—	do	18	—	462	190	497	—	70	2,600	166	1.8	8.0	—	3,977	1,940	4,000	7.3	35.8	4.9	.0
401	Trdsr, Qal	—	do	18	—	414	185	297	—	87	2,100	163	1.9	14.0	—	3,235	1,800	3,350	7.2	26.5	3.0	.0
401	Trdsr, Qal	—	Aug. 17, 1978	19	—	397	209	281	—	98	2,023	149	.9	17.0	—	3,144	1,851	2,740	7.7	24.8	2.8	.0
501	Trdsr, Qal	—	Oct. 22, 1974	18	—	540	125	183	—	77	2,060	48	1.6	9.0	—	3,022	1,860	2,890	7.5	17.6	1.8	.0
502	Trdsr, Qal	—	do	23	—	68	31	93	—	173	249	60	2.2	16.0	—	627	297	915	7.6	40.5	2.3	.0
502	Trdsr, Qal	—	Aug. 17, 1978	27	—	118	47	123	—	179	400	129	1.9	22.0	—	955	490	1,250	7.3	35.4	2.4	.0
05-401	Trdsr, Qal	176	Oct. 21, 1974	11	—	217	77	235	—	311	950	91	1.6	.7	—	1,736	860	2,150	7.9	37.3	3.4	.0
401	Trdsr, Qal	176	Aug. 23, 1978	31	—	104	80	170	—	241	593	103	1.2	4.1	—	1,204	590	1,490	8.0	38.6	3.0	.0
402	Trdsr, Qal	240	Oct. 21, 1974	18	—	123	60	113	—	399	344	88	1.8	12.0	—	955	560	1,350	7.7	30.7	2.0	.0
11-101	Trdsr, Qal	—	Oct. 23, 1974	65	—	600	28	5	—	196	1,360	19	3.3	35.0	—	2,211	1,620	2,150	7.5	.7	.0	.0
101	Trdsr, Qal	—	Aug. 18, 1978	25	—	454	161	36	—	101	1,654	5	2.0	9.0	—	2,395	1,796	2,030	7.7	4.2	.3	.0
201	Trdsr, Qal	—	Oct. 23, 1974	30	—	326	87	355	—	149	1,020	530	2.3	3.1	—	2,426	1,170	3,150	7.4	39.7	4.5	.0
301	Trdsr, Qal	—	do	32	—	187	49	158	—	172	500	256	2.1	8.0	—	1,276	670	1,780	7.9	34.0	2.6	.0
301	Trdsr, Qal	—	Aug. 17, 1978	35	—	187	48	161	—	176	487	256	1.7	9.0	—	1,271	664	1,600	7.9	34.5	2.7	.0
701	Trdsr, Qal	—	Oct. 23, 1974	13	—	448	123	305	—	79	1,920	158	2.3	< .4	—	3,008	1,630	3,200	7.5	29.0	3.2	.0
702	Trdsr, Qal	—	do	34	—	463	71	82	—	157	1,240	117	3.3	< .4	—	2,087	1,450	2,270	7.4	11.0	.9	.0
702	Trdsr, Qal	—	Aug. 18, 1978	36	—	452	89	78	—	142	1,298	104	2.3	< .4	—	2,129	1,496	1,990	7.5	10.2	.8	.0
901	Trdsr, Qal	118	Oct. 16, 1974	53	—	178	36	22	—	343	260	47	1.5	21.0	—	787	590	1,065	7.6	7.5	.3	.0
12-301	Trdsr, Qal	343	Aug. 23, 1978	21	—	323	91	162	—	116	1,323	50	1.0	12.0	—	2,040	1,184	1,940	7.7	23.0	2.0	.0
402	Trdsr, Qal	173	do	44	—	415	122	97	—	96	1,510	50	3.3	54.0	—	2,342	1,540	2,400	7.4	12.1	1.0	.0
402	Trdsr, Qal	173	Aug. 11, 1978	58	—	382	131	105	—	118	1,444	60	2.5	50.0	—	2,290	1,495	2,030	7.2	13.3	1.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Loving County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
SL-46-12-802	Trdsr, Qal	262	Oct. 21, 1974	34	—	253	89	117	—	165	920	75	2.0	21.0	—	1,592	1,000	1,900	7.5	20.3	1.6	0.0
802	Trdsr, Qal	262	June 23, 1978	37	—	251	94	115	—	162	955	72	1.2	20.0	—	1,624	1,014	1,660	7.6	19.8	1.5	.0
13-401	Trdsr, Qal	—	Oct. 21, 1974	30	—	425	97	386	—	79	1,840	256	1.6	17.0	—	3,091	1,460	3,300	7.2	36.5	4.3	.0
401	Trdsr, Qal	—	Aug. 22, 1978	26	—	358	114	407	—	72	1,800	229	.4	14.0	—	2,983	1,362	2,770	7.9	39.4	4.7	.0
601	Trdsr, Qal	—	Oct. 23, 1974	16	—	117	62	79	—	343	348	49	2.2	.6	—	842	540	1,165	8.4	23.9	1.4	.0
601	Trdsr, Qal	—	Aug. 22, 1978	16	—	114	70	77	—	356	351	47	2.0	.5	—	852	572	1,050	8.2	22.6	1.4	.0
20-102	Qal	84	Aug. 17, 1961	—	—	562	34	13	6.5	127	1,390	7	1.9	5.3	—	2,082	1,540	2,280	6.7	1.8	.1	.0
102	Qal	84	Oct. 16, 1974	42	—	660	22	32	—	117	1,430	113	2.3	11.0	—	2,369	1,740	2,400	7.3	3.8	.3	.0
102	Qal	84	Aug. 18, 1978	44	—	798	26	109	—	113	1,553	436	1.4	18.0	—	3,040	2,100	2,750	7.4	10.2	1.0	.0
21-804	Trdsr, Qal	—	Oct. 23, 1974	55	—	91	8	2	—	300	8	11	1.0	4.5	—	328	260	475	7.7	1.6	.0	.0
804	Trdsr, Qal	—	Aug. 22, 1978	118	—	94	9	2	—	301	9	4	.7	11.0	—	395	270	469	8.0	1.6	.0	.0
22-401	Trdsr, Qal	212	Oct. 17, 1974	42	—	68	23	41	—	298	68	26	2.0	7.0	—	423	264	635	8.0	25.2	1.0	.0
401	Trdsr, Qal	212	Aug. 22, 1978	48	—	69	23	39	—	279	66	22	1.7	13.0	—	418	267	592	8.4	24.1	1.0	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-45-43-701	Qal	110	Mar. 29, 1949	26	—	787	301	1,690	—	224	2,710	2,750	—	—	0.7	8,374	3,200	11,400	7.8	53.4	12.9	0.0
804	Qal	92	Aug. 13, 1948	31	—	858	292	1,430	—	205	2,280	2,780	—	—	1.0	7,772	3,340	11,700	—	48.2	10.7	.0
49-301	Qal, K	—	Dec. 13, 1971	10	—	116	77	890	—	336	970	890	3.4	< 0.4	—	3,122	610	4,360	7.6	76.2	15.7	.0
901	Kce-Kct	300	Oct. 23, 1946	—	—	328	168	670	—	256	1,220	1,030	—	41.0	—	3,582	1,510	5,350	—	49.1	7.5	.0
901	Kce-Kct	300	May 3, 1973	19	—	336	255	1,260	—	145	1,630	1,900	3.5	< .4	—	5,475	1,890	6,270	7.7	59.2	12.6	.0
901	Kce-Kct	300	July 12, 1979	4	—	209	145	840	—	139	1,064	1,277	1.9	.1	—	3,609	1,118	3,800	7.7	62.0	10.9	.0
50-301	Qal	140	July 1, 1949	34	—	456	276	1,350	—	334	1,890	2,100	—	1.2	1.3	6,272	2,270	9,350	7.4	56.4	12.3	.0
301	Qal	140	Apr. 15, 1975	28	—	790	402	1,970	—	262	2,740	3,330	4.1	136.0	—	9,528	3,630	10,210	7.3	54.2	14.2	.0
301	Qal	140	July 13, 1979	31	—	687	433	1,932	41.0	273	2,900	3,200	2.6	115.3	—	9,476	3,500	6,920	7.5	54.2	14.2	.0
51-203	Qal	61	June 12, 1947	—	—	—	—	—	—	—	—	3,600	—	—	—	3,600	—	13,900	—	—	—	—
302	Qal	100	do	—	—	560	335	1,810	—	275	2,440	2,790	—	8.4	—	8,078	2,780	11,500	—	58.6	14.9	.0
402	Qal	120	Apr. 10, 1947	—	—	404	247	1,350	—	320	1,900	1,920	—	—	—	5,978	2,020	8,500	—	59.2	13.0	.0
52-102	Qal	100	Oct. 24, 1946	—	—	731	483	2,920	—	286	3,580	4,400	—	—	—	12,254	3,810	1,680	—	62.5	20.5	.0
502	Qal	64	Feb. 3, 1947	—	—	510	384	2,380	—	255	2,920	3,390	—	—	—	9,709	2,850	13,100	—	64.5	19.3	.0
53-401	Qal	105	June 12, 1947	—	—	627	457	2,730	—	270	3,620	3,820	—	5.5	—	11,392	3,440	15,600	—	63.3	20.2	.0
57-601	Kce-Kct	96	Apr. 15, 1975	12	—	141	42	178	—	240	314	291	1.8	< .4	—	1,098	530	1,650	7.6	42.5	3.3	.0
601	Kce-Kct	96	July 23, 1975	10	—	144	43	178	—	240	309	296	1.8	< .4	—	1,100	530	1,690	7.9	41.9	3.3	.0
901	Kce-Kct	470	May 3, 1973	6	—	136	58	231	—	183	394	387	2.2	< .4	—	1,304	580	2,000	7.8	46.5	4.1	.0
901	Kce-Kct	470	July 12, 1979	11	—	152	53	210	—	226	379	355	1.5	.1	—	1,272	598	1,700	7.9	43.3	3.7	.0
[3] 58-604	Kce-Kct	355	July 25, 1977	—	—	1,285	595	—	—	—	—	1,418	—	—	—	5,400	1,880	—	6.6	—	—	—
59-901	Kce-Kct	259	May 3, 1973	8	—	550	276	780	—	201	1,940	1,420	3.6	< .4	—	5,076	2,510	5,996	7.7	40.4	6.7	.0
60-902	Kce-Kct	400	Jan. 27, 1959	12	—	462	88	248	9.3	256	1,220	425	—	12.0	1.0	2,603	1,510	3,430	7.2	26.1	2.7	.0
902	Kce-Kct	400	Apr. 15, 1975	14	—	500	110	420	—	238	1,340	720	2.2	22.0	—	3,245	1,710	3,200	7.3	35.0	4.4	.0
61-702	Kce-Kct	—	May 2, 1973	13	—	600	140	530	—	256	1,650	910	2.7	2.9	—	3,974	2,080	4,630	7.6	35.7	5.0	.0
62-904	Kce-Kct	250	do	24	—	840	456	1,620	—	264	2,250	3,460	2.8	47.0	—	8,829	3,980	9,850	7.4	47.0	11.1	.0
63-703	Kce-Kct, Qal	199	July 23, 1975	21	—	1,020	318	650	—	238	640	3,160	1.5	68.0	—	5,995	3,860	7,550	7.4	26.8	4.5	.0
46-48-604	Qal	425	July 21, 1961	36	—	222	35	127	—	172	514	180	.8	52.0	—	1,251	698	1,940	7.1	28.4	2.0	.0
604	Qal	425	July 23, 1975	34	—	262	33	163	—	166	590	256	1.2	49.0	—	1,469	790	1,940	7.5	31.0	2.5	.0
604	Qal	425	July 12, 1979	33	—	246	46	149	9.0	162	581	269	.7	54.0	—	1,467	805	1,700	7.4	28.5	2.2	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-46-48-802	Qal	779	July 23, 1975	27	—	269	56	255	—	176	780	299	1.3	49.0	—	1,822	900	2,350	7.5	38.1	3.6	0.0
803	Qal	400	June 27, 1972	31	—	283	42	178	—	165	640	288	1.0	50.0	—	1,594	880	2,050	7.2	30.6	2.6	.0
902	Qal, K	633	Dec. 10, 1971	13	—	108	23	169	—	233	336	118	2.0	< .4	—	883	360	1,300	7.4	50.2	3.8	.0
903	Qal	610	July 24, 1975	30	—	183	26	113	—	179	423	152	1.1	33.0	—	1,049	570	1,450	7.7	30.4	2.0	.0
903	Qal	610	July 12, 1979	34	—	178	32	112	—	174	422	157	.7	32.8	—	1,054	576	1,270	7.7	29.7	2.0	.0
904	Qal	700	July 23, 1975	24	—	314	34	208	—	171	680	341	1.4	64.0	—	1,750	920	2,300	7.5	32.9	2.9	.0
55-602	Qal, K	210	July 24, 1975	23	—	90	24	62	—	224	150	71	1.1	9.0	—	540	322	850	7.6	29.4	1.5	.0
56-301	Kce-Kct	568	do	37	—	400	52	231	—	157	930	378	1.7	112.0	—	2,218	1,210	2,600	7.0	29.3	2.8	.0
301	Kce-Kct	568	July 12, 1979	30	—	197	35	141	—	192	445	216	1.0	40.4	—	1,199	637	1,498	7.5	32.6	2.4	.0
305	Kce-Kct	734	June 27, 1972	32	—	236	38	155	—	194	455	305	1.0	18.0	—	1,335	750	1,740	7.0	31.2	2.4	.0
401	Qal	400	July 24, 1975	23	—	113	30	74	—	203	213	99	1.3	51.0	—	704	406	1,040	7.6	28.4	1.5	.0
407	Qal	200	do	21	—	96	25	92	—	196	273	59	1.2	22.0	—	685	345	995	7.7	36.9	2.1	.0
407	Qal	200	July 12, 1979	23	—	118	28	93	6.0	192	338	73	.9	30.5	—	804	410	—	7.4	32.6	1.9	.0
502	Qal	494	Dec. 10, 1971	31	—	160	35	122	—	207	309	218	.8	12.0	—	989	540	1,480	7.3	32.8	2.2	.0
502	Qal	494	Apr. 17, 1975	30	—	207	38	118	—	176	421	221	1.1	49.0	—	1,171	670	1,650	7.6	27.6	1.9	.0
507	Qal	600	June 26, 1972	30	—	218	34	114	—	153	520	146	1.0	80.0	—	1,218	690	1,590	7.3	26.6	1.8	.0
703	Qal	649	July 24, 1975	23	—	108	14	79	—	210	202	77	1.1	3.6	—	610	329	918	7.8	34.4	1.9	.0
803	Qal	850	June 26, 1972	17	—	86	19	88	—	211	174	102	1.0	< .4	—	591	294	910	7.3	39.5	2.2	.0
901	Qal, K	902	July 21, 1961	19	—	182	34	136	—	208	424	195	1.2	.2	0.3	1,093	594	1,640	7.1	33.2	2.4	.0
63-302	Kce-Kct	464	July 24, 1975	20	—	91	18	108	—	255	233	61	1.3	10.0	—	667	304	975	7.8	43.8	2.7	.0
601	Kce-Kct	203	June 15, 1942	—	—	51	18	56	—	140	106	70	—	.8	—	370	202	—	—	37.7	1.7	.0
601	Kce-Kct	203	Dec. 14, 1971	29	—	80	12	43	—	210	87	54	1.0	2.5	—	411	250	645	7.5	27.3	1.1	.0
601	Kce-Kct	203	Apr. 16, 1975	26	—	78	12	43	—	209	91	54	1.1	4.4	—	412	245	665	7.7	27.7	1.1	.0
601	Kce-Kct	203	July 11, 1979	31	—	76	15	44	—	214	92	56	.9	1.6	—	421	251	626	7.7	27.6	1.2	.0
901	Kce-Kct	300	July 24, 1975	20	—	115	21	67	—	232	145	101	1.0	38.0	—	622	374	962	7.2	28.1	1.5	.0
901	Kce-Kct	300	July 11, 1979	21	—	109	19	63	—	226	154	95	.8	27.8	—	600	351	858	7.7	28.1	1.4	.0
64-201	Kce-Kct?	500	Apr. 8, 1958	33	—	139	33	160	8.6	241	282	252	1.0	.5	.2	1,027	482	1,640	7.5	41.4	3.1	.0
201	Kce-Kct?	500	July 21, 1961	31	—	134	31	174	—	238	276	252	.9	.5	—	1,016	462	1,650	7.0	45.0	3.5	.0
302	Qal, Kce-Kct	690	May 3, 1973	28	—	142	34	166	—	233	311	261	1.2	3.5	—	1,061	496	1,600	7.7	42.2	3.2	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-46-64-801	Kce-Kct	381	July 21, 1961	26	—	151	41	219	—	254	370	300	1.2	3.5	—	1,236	545	1,950	7.0	46.6	4.0	0.0
801	Kce-Kct	381	Jan. 21, 1975	31	—	264	48	215	—	248	454	449	1.4	15.0	—	1,599	860	2,350	7.5	35.3	3.1	.0
52-06-302	Qal	237	Sept. 6, 1940	—	—	86	19	41	—	217	100	86	—	4.2	—	442	282	703	—	23.4	1.0	.0
502	Kce-Kct	225	June 18, 1942	—	—	83	19	40	—	242	96	52	—	—	—	408	285	—	—	23.4	1.0	.0
502	Kce-Kct	225	May 3, 1973	14	—	93	19	54	—	222	156	59	1.0	8.0	—	513	311	785	7.9	27.5	1.3	.0
502	Kce-Kct	225	July 11, 1979	16	—	103	20	51	—	232	158	64	.8	20.7	—	547	340	797	7.5	24.6	1.2	.0
07-301	Qal	—	July 21, 1961	13	—	87	22	61	—	246	140	65	.9	.0	—	509	308	844	7.2	30.1	1.5	.0
301	Qal	—	July 11, 1979	16	—	130	28	68	6.0	254	237	113	.8	.1	—	723	442	1,000	7.3	24.8	1.4	.0
302	Kce-Kct	501	June 7, 1973	15	—	110	31	79	—	218	198	130	1.1	10.0	—	681	403	1,050	7.5	29.9	1.7	.0
603	Kce-Kct	630	July 22, 1975	21	—	125	34	79	—	227	225	129	1.2	25.0	—	750	451	1,120	7.6	27.6	1.6	.0
603	Kce-Kct	630	July 11, 1979	21	—	120	31	76	—	239	230	120	.9	.1	—	716	426	988	7.2	27.9	1.6	.0
701	Kce-Kct	455	July 22, 1975	21	—	140	30	62	—	337	188	94	1.5	9.0	—	711	476	1,062	7.9	22.2	1.2	.0
701	Kce-Kct	455	July 11, 1979	29	—	130	45	68	—	332	165	126	1.1	22.2	—	749	508	1,080	7.7	22.5	1.3	.0
902	Kce-Kct	550	June 7, 1973	14	—	106	21	77	—	226	180	111	1.1	.6	—	621	352	975	7.4	32.3	1.7	.0
08-301	Kce-Kct	401	Nov. 23, 1946	—	—	158	45	178	—	270	310	300	—	.5	—	1,124	580	1,880	—	40.1	3.2	.0
301	Kce-Kct	401	May 3, 1973	15	—	109	42	227	—	179	330	323	1.4	< .4	—	1,135	446	1,750	7.8	52.6	4.6	.0
301	Kce-Kct	401	July 11, 1979	18	—	129	39	200	9.0	257	310	294	1.2	.1	—	1,126	483	1,500	8.1	46.8	3.9	.0
801	Kce-Kct	139	May 5, 1947	—	—	360	106	371	—	277	1,070	525	—	75.0	—	2,643	1,330	3,670	—	37.7	4.4	.0
905	Kce-Kct	406	July 22, 1975	22	—	240	69	361	—	260	600	590	1.9	12.0	—	2,023	880	2,700	7.4	47.1	5.2	.0
908	Kce-Kct	346	Apr. 23, 1969	25	—	255	106	390	—	237	720	670	2.0	19.5	—	2,304	1,070	3,350	7.6	44.2	5.1	.0
908	Kce-Kct	346	Dec. 14, 1971	23	—	257	101	399	—	239	770	630	2.0	28.0	—	2,327	1,060	3,250	7.3	45.1	5.3	.0
908	Kce-Kct	346	July 22, 1975	23	—	259	82	361	—	246	720	570	1.7	21.0	—	2,158	980	2,870	7.5	44.4	5.0	.0
13-201	Kce-Kct	500	June 6, 1973	27	—	79	18	9	—	317	15	5	.5	7.0	—	316	272	508	7.5	6.7	.2	.0
301	Kce-Kct	360	May 7, 1947	—	—	48	13	34	—	114	76	52	—	.8	—	279	173	584	—	29.9	1.1	.0
301	Kce-Kct	360	June 6, 1973	21	—	90	15	37	—	244	92	52	.8	< .4	—	428	289	675	7.6	21.9	.9	.0
901	Kce-Kct	390	May 13, 1947	—	—	121	15	19	—	322	45	56	—	18.0	—	432	364	774	—	10.2	.4	.0
14-201	Kce-Kct	375	June 6, 1973	22	—	88	18	49	—	250	104	69	.9	.8	—	474	296	756	7.5	26.6	1.2	.0
16-101	Kce-Kct	294	May 5, 1947	—	—	104	23	86	—	245	149	127	—	6.7	—	616	354	1,090	—	34.6	1.9	.0
101	Kce-Kct	294	July 22, 1975	24	—	144	40	206	—	182	330	324	1.1	2.2	—	1,160	520	1,750	7.6	46.1	3.9	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-52-16-101	Kce-Kct	294	July 11, 1979	25	—	179	46	213	9.0	239	421	360	0.7	4.6	—	1,375	638	1,750	7.6	41.7	3.6	0.0
302	Kce-Kct	446	Jan. 30, 1947	—	—	156	52	250	—	280	413	345	—	.8	—	1,354	604	2,090	—	47.4	4.4	.0
302	Kce-Kct	446	Mar. 6, 1956	23	—	148	52	264	12.0	268	417	362	—	1.7	0.3	1,411	584	2,200	7.8	49.0	4.7	.0
302	Kce-Kct	446	July 22, 1975	22	—	224	68	321	—	265	560	510	1.9	34.0	—	1,871	840	2,630	7.6	45.4	4.8	.0
401	Kce-Kct	396	June 7, 1973	22	—	116	30	153	—	233	260	216	1.1	< .4	—	913	414	1,410	7.5	44.6	3.2	.0
401	Kce-Kct	396	July 11, 1979	21	—	137	36	164	8.0	223	386	213	.9	.1	—	1,075	488	1,350	8.0	41.6	3.2	.0
608	Por	1,600	Aug. 28, 1965	19	—	204	58	213	—	253	560	315	2.8	< .4	—	1,496	750	2,200	7.3	38.3	3.3	.0
608	Por	1,600	Sept. 17, 1974	18	—	231	56	228	—	235	620	325	2.6	< .4	—	1,596	810	2,200	8.0	38.1	3.4	.0
608	Por	1,600	Jan. 14, 1975	20	—	239	46	227	—	255	580	318	2.5	< .4	—	1,558	790	2,220	7.7	38.6	3.5	.0
608	Por	1,600	July 22, 1975	21	—	241	51	224	—	254	600	317	2.5	< .4	—	1,581	810	2,150	7.8	37.5	3.4	.0
608	Por	1,600	July 11, 1979	20	—	240	56	226	11.0	253	686	314	2.1	.1	—	1,679	829	1,910	7.9	36.8	3.4	.0
609	Por	1,975	July 22, 1975	20	—	224	43	218	—	255	510	309	2.6	< .4	—	1,452	740	2,040	7.8	39.2	3.4	.0
609	Por	1,975	July 11, 1979	20	—	213	53	224	—	254	590	318	2.2	.1	—	1,545	749	1,820	7.9	39.4	3.5	.0
801	Kce-Kct	450	Apr. 10, 1958	27	—	145	45	268	15.0	267	384	380	—	—	.3	1,395	547	2,200	7.5	50.7	4.9	.0
901	Kce-Kct	420	July 22, 1975	19	—	225	80	261	—	299	600	431	1.9	1.7	—	1,766	890	2,450	7.5	38.9	3.8	.0
21-301	Kce-Kct	350	June 6, 1973	22	—	56	14	20	—	205	44	17	1.4	5.1	—	280	196	442	7.7	18.1	.6	.0
22-801	Kce-Kct	450	Mar. 5, 1956	34	—	90	23	130	7.8	250	191	148	—	1.1	.2	748	319	1,180	7.5	46.2	3.1	.0
801	Kce-Kct	450	Apr. 28, 1975	30	—	91	20	115	—	251	167	126	1.2	1.3	—	674	311	1,070	7.7	44.7	2.8	.0
802	Kce-Kct	419	Mar. 5, 1956	44	—	58	5	26	3.7	218	20	16	—	6.0	11.0	296	166	441	7.5	25.0	.8	.2
802	Kce-Kct	419	June 6, 1973	36	—	59	7	26	—	216	24	17	.8	9.0	—	285	176	433	7.5	24.3	.8	.0
23-101	Kce-Kct	650	June 7, 1973	25	—	106	27	147	—	233	232	200	1.1	< .4	—	853	376	1,310	7.7	46.0	3.3	.0
101	Kce-Kct	650	July 11, 1979	27	—	107	27	144	8.0	240	231	201	1.0	.1	—	864	380	1,170	8.0	44.6	3.2	.0
301	Kce-Kct	400	July 22, 1975	17	—	478	120	118	—	198	1,540	64	2.8	31.0	—	2,468	1,690	2,530	7.4	13.2	1.2	.0
301	Kce-Kct	400	July 11, 1979	14	—	406	131	116	6.0	192	1,529	54	2.3	36.8	—	2,389	1,556	2,090	7.8	13.9	1.2	.0
24-801	Kce-Kct	700	June 5, 1973	25	—	138	48	195	—	277	331	286	2.2	13.0	—	1,174	541	1,740	7.7	43.9	3.6	.0
30-101	Kce-Kct	300	Sept. 5, 1956	43	—	65	8	37	—	184	52	16	.8	56.0	—	368	195	545	7.7	29.2	1.1	.0
201	Kce-Kct	300	do	32	—	43	19	49	—	194	49	30	1.2	48.0	—	366	186	575	7.8	36.5	1.5	.0
201	Kce-Kct	300	Apr. 16, 1975	29	—	52	19	45	—	182	59	38	1.3	57.0	—	389	207	610	7.7	32.0	1.3	.0
201	Kce-Kct	300	July 11, 1979	42	—	52	22	46	—	201	65	39	1.0	50.5	—	416	220	590	7.7	31.2	1.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-53-01-402	Kce-Kct	381	July 24, 1975	13	—	268	72	368	—	264	740	530	1.8	< 0.4	—	2,123	970	2,770	7.8	45.3	5.1	0.0
402	Kce-Kct	381	July 23, 1979	13	—	241	109	385	13.0	260	881	572	1.4	.1	—	2,343	1,050	2,550	7.9	44.0	5.1	.0
502	Kce-Kct	335	July 24, 1975	29	—	429	236	830	—	285	1,860	1,140	4.0	67.0	—	4,735	2,040	4,800	7.3	46.9	7.9	.0
703	Qal	375	Aug. 19, 1970	11	—	67	13	18	—	239	34	12	.4	20.0	—	292	220	499	6.9	15.1	.5	.0
705	Kce-Kct	302	do	19	—	245	240	463	—	234	1,140	790	2.9	64.0	—	3,078	1,600	4,090	7.2	38.6	5.0	.0
706	Kce-Kct	400	do	21	—	371	286	660	—	232	1,990	880	4.1	55.0	—	4,381	2,100	5,170	7.7	40.6	6.2	.0
902	Kce-Kct	180	May 11, 1950	24	—	139	51	283	—	272	394	352	1.6	.0	—	1,378	556	2,230	7.5	52.5	5.2	.0
903	Kce-Kct	258	July 24, 1975	17	—	580	168	840	—	243	1,240	1,700	2.2	28.0	—	4,694	2,140	5,600	7.4	46.1	7.9	.0
903	Kce-Kct	258	July 12, 1979	16	—	145	47	258	—	270	397	357	1.4	.1	—	1,354	555	1,750	8.0	50.3	4.7	.0
02-102	Kce-Kct	260	Apr. 16, 1947	—	—	416	144	537	—	308	1,380	780	—	10.0	—	3,418	1,630	4,730	—	41.7	5.7	.0
102	Kce-Kct	260	Dec. 13, 1971	26	—	478	152	640	—	261	1,450	1,060	2.3	19.0	—	3,955	1,820	4,940	7.1	43.4	6.5	.0
102	Kce-Kct	260	Apr. 15, 1975	27	—	490	148	660	—	272	1,420	1,090	2.5	26.0	—	3,997	1,840	4,940	7.5	43.9	6.7	.0
102	Kce-Kct	260	July 12, 1979	30	—	510	148	706	19.0	289	1,512	1,215	1.8	30.4	—	4,314	1,883	3,960	7.7	44.6	7.0	.0
403	Kce-Kct	310	Feb. 2, 1947	—	—	284	93	473	—	324	889	650	—	15.0	—	2,563	1,090	3,670	—	48.5	6.2	.0
405	Qal	280	June 12, 1969	27	—	464	157	570	—	266	1,280	1,040	3.3	27.0	—	3,699	1,810	4,850	7.2	40.7	5.8	.0
502	Qal	255	July 24, 1948	28	—	200	80	377	—	300	668	500	—	2.2	0.6	2,003	828	3,100	—	49.8	5.6	.0
703	Kce-Kct	642	May 3, 1973	21	—	354	132	610	—	367	930	1,040	2.3	27.0	—	3,296	1,430	4,350	7.5	48.2	7.0	.0
703	Kce-Kct	642	July 24, 1975	20	—	256	92	388	—	338	650	630	1.8	10.0	—	2,213	1,020	3,130	7.3	45.3	5.2	.0
703	Kce-Kct	642	July 12, 1979	30	—	317	120	533	20.0	398	991	829	1.5	37.7	—	3,074	1,287	3,150	7.6	46.9	6.4	.0
03-201	Qal, Kce-Kct	185	May 3, 1973	7	—	118	50	147	—	243	351	192	2.2	< .4	—	987	500	1,500	7.9	39.0	2.8	.0
901	Kce-Kct	462	Dec. 10, 1946	—	—	162	55	232	—	266	416	342	—	—	—	1,337	630	2,170	—	44.5	4.0	.0
901	Kce-Kct	462	May 2, 1973	10	—	157	55	231	—	285	400	346	2.2	< .4	—	1,341	620	1,990	7.9	44.8	4.0	.0
901	Kce-Kct	462	July 23, 1975	12	—	165	54	225	—	275	375	346	1.8	< .4	—	1,314	630	2,000	7.9	43.6	3.8	.0
901	Kce-Kct	462	July 23, 1979	13	—	165	54	222	—	281	413	347	1.5	.1	—	1,353	635	1,750	7.9	43.2	3.8	.0
05-901	Kce-Kct	220	Aug. 5, 1950	26	—	197	67	202	—	296	453	348	—	2.5	—	1,441	767	2,290	8.3	36.4	3.1	.0
902	Kce-Kct	200	May 2, 1973	6	—	178	99	391	—	211	710	560	2.6	1.5	—	2,051	852	2,840	7.5	50.0	5.8	.0
902	Kce-Kct	200	June 5, 1973	21	—	202	83	348	—	317	640	490	2.5	3.7	—	1,946	850	2,650	7.4	47.2	5.2	.0
902	Kce-Kct	200	July 24, 1975	20	—	232	97	432	14.0	327	787	639	1.9	4.2	—	2,387	978	2,580	7.9	48.6	6.0	.0
06-301	Kce-Kct	210	July 23, 1975	22	—	650	266	680	—	235	1,150	2,030	1.8	61.0	—	4,976	2,710	5,600	7.4	35.3	5.6	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-53-06-301	Kce-Kct	210	May 12, 1978	22	0.1	605	249	582	—	245	1,072	1,680	1.2	53.0	—	4,384	2,534	4,500	7.6	33.3	5.0	0.0
302	Kce-Kct	212	do	21	.1	300	126	307	—	265	585	728	1.2	46.0	—	2,244	1,269	2,650	7.6	34.5	3.7	.0
501	Kce-Kct	425	Apr. 23, 1948	24	—	110	74	324	—	106	512	470	—	1.2	—	1,567	579	2,680	—	54.9	5.8	.0
501	Kce-Kct	425	May 2, 1973	17	—	203	76	282	—	300	570	415	2.2	31.0	—	1,743	820	2,450	7.7	42.8	4.2	.0
701	Kce-Kct	200	July 23, 1975	14	—	102	37	120	—	251	220	166	1.5	3.5	—	787	407	1,250	7.8	39.1	2.5	.0
701	Kce-Kct	200	July 24, 1979	16	—	105	34	124	5.0	256	231	170	1.2	.1	—	812	400	1,138	7.4	39.8	2.6	.0
07-101	Qal	76	Dec. 14, 1946	—	—	44	22	144	—	184	33	231	—	2.2	—	566	200	1,040	—	61.0	4.4	.0
201	Qal	150	Aug. 2, 1948	42	—	143	63	190	—	416	330	242	—	2.5	.3	1,217	616	2,880	—	40.2	3.3	.0
701	Kce-Kct	535	May 2, 1973	13	—	70	31	27	—	254	83	41	1.4	4.9	—	396	303	640	8.0	16.3	.6	.0
08-401	Kce-Kct	354	do	14	—	68	29	52	—	216	106	81	1.8	6.0	—	464	292	758	7.9	28.1	1.3	.0
09-402	Kce-Kct	520	Mar. 21, 1956	21	—	139	44	222	—	277	259	302	—	.2	.2	1,123	528	1,990	7.6	47.8	4.2	.0
402	Kce-Kct	520	June 5, 1973	20	—	262	84	289	—	211	720	474	2.4	38.0	—	1,993	1,000	2,660	7.4	38.6	3.9	.0
402	Kce-Kct	520	Jan. 14, 1975	21	—	245	71	290	—	223	650	465	2.1	34.0	—	1,887	900	2,650	7.4	41.1	4.1	.0
403	Qal	200	Nov. 19, 1946	—	—	172	53	193	—	281	375	316	—	—	—	1,247	647	—	—	39.3	3.3	.0
10-102	Kce-Kct	—	Apr. 15, 1975	15	—	171	51	249	—	275	446	362	1.8	< .4	—	1,431	640	2,100	7.5	46.0	4.2	.0
102	Kce-Kct	—	July 12, 1979	15	—	163	62	243	—	277	432	382	2.0	.1	—	1,435	661	1,820	7.7	44.4	4.1	.0
502	Kce-Kct	400	June 4, 1973	13	—	163	55	210	—	249	466	280	2.0	< .4	—	1,311	630	1,860	7.5	41.9	3.6	.0
502	Kce-Kct	400	July 12, 1979	15	—	166	53	199	9.0	251	488	276	1.5	.1	—	1,331	632	1,650	8.0	40.2	3.4	.0
12-203	Kce-Kct	—	Apr. 14, 1975	20	—	312	103	510	—	295	940	780	2.0	7.0	—	2,819	1,210	3,400	7.4	48.0	6.3	.0
203	Kce-Kct	—	July 23, 1979	20	—	232	81	359	11.0	286	693	559	1.4	4.2	—	2,101	914	2,370	7.6	45.7	5.1	.0
801	Kce-Kct	375	June 4, 1973	16	—	74	16	23	—	245	46	31	1.0	11.0	—	338	252	551	7.8	16.6	.6	.0
14-501	Kce-Kct	387	June 5, 1973	13	—	62	14	13	—	212	33	18	1.4	4.9	—	263	212	434	7.8	11.8	.3	.0
15-601	Kce-Kct	503	do	13	—	62	17	18	—	222	35	27	1.2	7.0	—	289	226	481	7.8	14.8	.5	.0
19-101	Kce-Kct	450	June 4, 1973	17	—	44	15	21	—	189	30	22	1.5	< .4	—	243	170	435	7.3	21.0	.6	.0
21-701	Kce-Kct	864	do	16	—	122	23	55	—	256	138	111	1.0	25.0	—	616	402	965	7.4	23.1	1.1	.0
22-501	Kce-Kct	515	June 5, 1973	12	—	70	14	16	—	235	34	21	1.1	7.0	—	290	232	488	7.6	13.0	.4	.0
28-801	Kce-Kct	585	June 4, 1973	16	—	62	17	18	—	242	31	20	.8	9.0	—	292	227	481	7.5	14.8	.5	.0
37-501	Kce-Kct	650	do	16	—	60	11	14	—	218	20	16	.9	7.0	—	252	196	418	7.6	13.5	.4	.0
41-301	Qal	100	May 16, 1973	17	—	50	48	88	—	256	120	117	1.5	16.0	—	583	323	929	7.4	37.3	2.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
US-53-43-901	Kce-Kct	300	May 17, 1973	17	—	69	15	14	—	261	16	16	0.4	13.0	—	288	234	481	7.4	11.5	0.3	0.0
45-501	Kce-Kct	525	June 4, 1973	15	—	59	9	9	—	207	12	12	.5	5.3	—	223	182	369	7.6	9.6	.2	.0
52-701	Kce-Kct	630	May 17, 1973	16	—	43	18	25	—	210	24	19	.7	15.0	—	263	183	436	7.7	23.1	.8	.0
54-01-701	Kce-Kct	432	May 2, 1973	16	—	62	24	27	—	235	61	39	1.2	4.9	—	350	255	572	8.3	18.8	.7	.0
09-801	Kce-Kct	210	do	20	—	61	27	21	—	256	32	38	1.2	13.0	—	339	265	558	8.0	14.8	.5	.0
10-703	Kce-Kct	100	July 23, 1975	26	—	57	26	37	—	221	53	63	1.1	4.0	—	375	249	627	7.6	24.4	1.0	.0
703	Kce-Kct	100	July 24, 1979	24	—	63	30	14	—	279	41	31	1.0	3.9	—	345	280	553	7.5	9.8	.3	.0
18-401	Kce-Kct	255	Apr. 14, 1975	23	—	84	13	15	—	265	26	24	.7	16.0	—	332	264	542	7.7	11.0	.4	.0
402	Kce-Kct	180	June 7, 1946	—	—	70	16	13	—	254	26	18	—	9.1	—	276	240	—	—	10.5	.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Presidio County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
UW-51-29-701	Tv	1,310	Feb. 5, 1979	—	—	6	3	71	—	144	21	18	—	—	—	273	26	—	8.4	—	5.9	—
48-602	Tv	881	Dec. 7, 1971	52	—	27	3	65	—	193	27	17	3.0	9.0	—	297	80	430	7.6	63.9	3.1	1.5
603	Tv	1,100	June 20, 1979	75	—	33	3	65	7.6	203	33	23	2.5	14.3	—	356	94	444	8.3	57.5	2.9	1.4
51-807	Tv	100+	June 19, 1979	88	—	27	2	107	—	295	46	12	1.6	10.6	—	439	76	540	8.0	75.5	5.3	3.3
56-902	Tv	99	June 20, 1979	46	—	66	7	41	—	173	78	52	.8	.9	—	376	191	502	8.5	31.6	1.2	.0
52-41-802	Tv	160	Dec. 8, 1971	52	—	26	5	103	—	234	68	28	3.6	8.0	—	408	87	595	7.8	72.3	4.8	2.1
802	Tv	160	June 20, 1979	65	—	33	4	120	2.7	261	80	33	3.3	16.5	—	485	100	640	8.4	71.8	5.2	2.3
49-601	Tv	300	do	66	—	60	8	96	—	210	94	72	2.1	29.9	—	531	183	713	7.9	53.3	3.0	.0
901	Tv	—	Dec. 8, 1971	48	—	38	4	104	—	189	96	50	1.7	8.0	—	442	110	650	7.7	67.0	4.2	.8
901	Tv	—	June 20, 1979	29	—	37	3	100	3.6	224	83	42	1.4	.1	—	409	103	581	8.0	66.6	4.2	1.5

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-01-701	Qal	150	June 27, 1972	23	—	570	212	64	—	248	2,110	41	2.4	3.5	—	3,147	2,300	2,900	7.5	5.7	0.5	0.0
701	Qal	150	Apr. 24, 1975	23	—	630	211	85	—	276	2,180	70	2.4	6.0	—	3,343	2,440	3,150	7.5	7.0	.7	.0
09-901	Qal	200	June 27, 1972	20	—	550	89	198	—	214	1,710	147	2.0	1.5	—	2,822	1,730	2,830	7.3	19.8	2.0	.0
10-701	Qal	160	June 14, 1940	—	—	556	144	454	—	89	2,380	298	—	.5	—	3,876	1,980	4,510	—	33.3	4.4	.0
701	Qal	160	Apr. 24, 1975	13	—	590	130	433	13.0	82	2,460	281	2.2	< .4	—	3,962	2,000	3,930	7.4	31.8	4.2	.0
701	Qal	160	June 28, 1979	14	—	568	155	470	—	82	2,520	302	1.5	.1	—	4,070	2,055	3,300	7.4	33.2	4.5	.0
18-801	Qal	177	June 27, 1972	20	—	202	81	330	—	159	1,200	93	1.9	< .4	—	2,006	840	2,450	7.3	46.2	4.9	.0
25-301	Qal	300	Mar. 13, 1940	—	—	430	62	103	—	205	1,200	94	—	—	—	1,989	1,330	2,420	—	14.4	1.2	.0
501	Kce-Kct	545	Sept. 16, 1974	4	—	277	115	1,000	—	92	2,260	680	2.8	1.0	—	4,385	1,170	5,110	7.3	65.1	12.7	.0
26-401	Qal	800	do	16	—	475	97	1,270	—	79	2,260	1,340	3.3	3.0	—	5,503	1,590	6,410	7.2	63.6	13.8	.0
401	Qal	800	June 28, 1979	32	—	454	107	1,411	—	102	2,464	1,400	1.5	.1	—	5,919	1,574	4,460	7.2	66.1	15.4	.0
27-701	Qal	231	Feb. 12, 1940	—	—	238	24	79	—	334	534	25	—	—	—	1,064	693	1,480	—	19.9	1.3	.0
28-101	Qal	200	June 27, 1972	36	—	207	38	560	—	199	1,440	195	2.2	< .4	—	2,576	670	2,857	7.4	64.4	9.3	.0
301	Qal	125	Dec. 21, 1939	—	—	1,070	254	2,140	—	84	2,110	4,320	—	—	—	9,935	3,700	14,800	—	55.6	15.2	.0
501	Qal	77	Feb. 12, 1940	—	—	487	140	371	—	142	1,550	615	—	—	—	3,232	—	4,260	—	31.1	3.8	.0
902	Qal	280	July 17, 1959	32	—	258	51	167	8.1	153	922	92	1.5	—	—	1,606	853	2,050	7.0	29.6	2.4	.0
33-801	Kce-Kct	36	Aug. 6, 1970	31	—	600	81	387	—	265	1,840	422	2.3	21.0	—	3,514	1,830	3,940	7.3	31.5	3.9	.0
901	Kce-Kct	124	do	10	—	271	156	1,250	—	332	2,490	870	2.5	16.0	—	5,228	1,320	—	7.5	67.4	14.9	.0
901	Kce-Kct	124	Apr. 23, 1975	15	—	184	69	474	—	310	1,040	312	1.8	15.0	—	2,263	740	3,000	7.9	58.1	7.5	.0
34-401	Qal	—	June 27, 1972	16	—	479	190	479	—	142	2,250	437	2.9	< .4	—	3,924	1,980	3,750	7.4	34.5	4.6	.0
701	Qal	75	May 16, 1940	—	—	588	138	220	—	125	1,980	242	—	7.3	—	3,236	2,040	3,750	—	19.0	2.1	.0
701	Qal	75	Aug. 6, 1959	26	—	560	143	326	—	142	2,110	265	—	8.3	—	3,508	1,980	3,860	6.9	26.3	3.1	.0
701	Qal	75	Apr. 23, 1975	21	—	570	138	267	—	127	2,020	273	2.6	1.6	—	3,355	2,000	3,500	7.6	22.6	2.6	.0
35-101	Qal	236	June 19, 1950	30	—	384	88	426	—	376	1,670	142	—	—	—	2,924	1,320	3,560	7.9	41.2	5.1	.0
501	Kce-Kct	865	June 19, 1975	34	—	479	158	580	—	127	1,980	670	3.0	< .4	—	3,966	1,850	4,540	7.1	40.6	5.8	.0
503	Kce-Kct	1,053	June 25, 1979	38	—	471	169	560	18.7	115	2,000	684	1.5	.1	—	3,998	1,870	3,350	7.6	39.1	5.6	.0
702	Qal	—	May 16, 1940	—	—	658	96	211	—	104	1,750	385	—	55.0	—	3,206	2,040	3,920	—	18.4	2.0	.0
801	Qal	780	June 2, 1949	29	—	510	151	445	—	164	1,860	558	—	5.2	—	3,638	1,890	4,600	7.3	33.8	4.4	.0
801	Qal	780	June 28, 1972	30	—	475	171	433	—	123	1,830	560	2.5	8.0	—	3,569	1,890	4,050	7.4	33.3	4.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-35-801	Qal	780	June 25, 1979	31	—	493	178	459	—	128	2,016	560	1.6	8.4	—	3,809	1,964	3,600	8.0	33.7	4.5	0.0
803	Qal	550	Dec. 3, 1970	37	—	466	161	520	1.5	123	1,810	660	2.5	< .4	.6	3,723	1,830	4,350	7.3	38.2	5.2	.0
902	Qal	585	Aug. 3, 1961	31	—	128	41	958	—	138	1,320	760	—	14.0	—	3,319	488	4,880	—	81.0	18.8	.0
902	Qal	585	Jan. 22, 1975	32	—	329	79	680	—	134	1,390	750	2.1	58.0	—	3,385	1,150	4,250	7.4	56.3	8.7	.0
36-202	Qal	650	Aug. 4, 1961	29	—	425	112	631	—	180	1,570	780	1.8	6.8	—	3,644	1,520	4,880	7.3	47.4	7.0	.0
205	Qal	643	June 27, 1972	32	—	210	71	1,190	—	134	1,680	1,110	2.9	2.0	—	4,363	810	4,170	7.2	76.0	18.1	.0
205	Qal	643	June 19, 1975	32	—	209	52	1,180	—	131	1,740	1,010	3.3	2.0	—	4,292	740	5,340	7.4	77.7	18.9	.0
402	Qal	685	Sept. 7, 1949	29	—	318	100	400	—	198	950	660	—	3.5	—	2,557	1,200	3,710	7.2	41.9	5.0	.0
402	Qal	685	Mar. 17, 1970	33	—	570	115	840	—	151	1,590	1,280	2.5	143.0	—	4,647	1,890	5,350	7.0	49.1	8.3	.0
501	Qal	400	June 24, 1949	28	—	344	124	402	—	185	1,070	690	—	3.8	—	2,752	1,370	3,580	—	39.0	4.7	.0
601	Qal	210	Feb. 8, 1947	—	—	306	92	381	—	240	781	680	—	1.5	—	2,359	1,140	3,520	—	42.0	4.9	.0
802	Qal	500	Apr. 16, 1947	—	—	300	95	361	—	196	769	680	—	3.5	—	2,304	1,440	3,460	—	40.8	4.6	.0
902	Qal	360	Nov. 7, 1946	—	—	280	92	423	—	250	770	700	—	3.5	—	2,391	1,080	3,640	—	46.1	5.6	.0
37-406	Qal	215	Sept. 13, 1933	—	—	296	92	388	—	228	801	665	.9	1.2	—	2,356	1,120	—	—	43.0	5.0	.0
406	Qal	215	Sept. 18, 1939	—	—	—	—	—	—	—	—	672	—	—	—	672	—	3,600	—	—	—	—
406	Qal	215	Sept. 18, 1959	—	—	295	82	411	—	222	790	680	1.2	1.5	—	2,369	1,070	3,510	6.9	45.4	5.4	.0
901	Qal	60	Oct. 10, 1939	—	—	746	65	226	—	163	1,440	702	—	—	—	3,259	2,130	4,310	—	18.8	2.1	.0
901	Qal	60	Mar. 20, 1950	64	—	788	82	339	—	137	1,530	940	—	12.0	—	3,822	2,300	4,950	7.3	24.2	3.0	.0
41-201	Kce-Kct	Spring	Aug. 6, 1970	20	—	390	101	279	—	172	1,270	392	2.3	2.5	—	2,541	1,390	3,070	7.4	30.4	3.2	.0
202	Lk	Spring	do	20	—	385	101	267	—	177	1,230	386	2.2	10.0	—	2,488	1,380	3,010	7.5	29.7	3.1	.0
301	Kce-Kct	58	Aug. 10, 1970	29	—	363	139	172	—	196	1,410	124	2.5	58.0	—	2,393	1,480	2,610	7.4	20.2	1.9	.0
301	Kce-Kct	58	Apr. 23, 1975	24	—	396	142	206	—	140	1,480	208	3.3	94.0	—	2,622	1,570	2,800	7.9	22.2	2.2	.0
401	Kce-kct	50	Aug. 24, 1970	15	—	394	117	404	—	182	1,520	450	2.5	< .4	—	2,992	1,470	3,530	7.6	37.5	4.5	.0
601	Kce-Kct	104	Aug. 12, 1970	11	—	276	88	570	—	187	1,400	481	1.5	< .4	—	2,919	1,050	3,710	7.2	54.1	7.6	.0
701	Kce-Kct	50	Aug. 24, 1970	24	—	472	128	391	—	240	1,580	540	2.6	< .4	—	3,256	1,710	3,800	7.2	33.3	4.1	.0
801	Kce-Kct	350	Aug. 12, 1970	10	—	94	27	600	—	189	870	411	2.5	< .4	—	2,107	344	3,000	7.3	79.1	14.0	.0
42-201	Kce-Kct	100	Oct. 8, 1970	29	—	407	95	251	11.0	193	1,200	359	2.6	33.0	—	2,482	1,410	2,990	7.2	27.8	2.9	.0
203	Kce-Kct	87	Oct. 1, 1970	22	—	482	130	303	—	217	1,710	313	3.0	7.0	—	3,076	1,740	3,460	7.2	27.5	3.1	.0
301	Lk	90	Oct. 3, 1939	—	—	576	239	762	—	138	2,940	640	—	—	—	5,224	2,420	6,330	—	40.6	6.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-42-301	Lk	90	Oct. 1, 1970	35	—	560	229	820	—	128	2,990	660	3.0	< 0.4	—	5,360	2,360	5,740	7.5	43.3	7.3	0.0
401	Kce-Kct	175	Aug. 26, 1970	33	—	330	87	227	—	163	1,220	210	2.3	5.0	—	2,194	1,180	2,580	7.6	29.5	2.8	.0
402	Kce-Kct	76	Aug. 12, 1970	48	—	235	95	510	—	212	1,150	500	2.2	36.0	—	2,680	980	3,470	7.4	53.2	7.0	.0
603	Kce-Kct	102	July 28, 1959	54	—	288	66	426	—	177	848	228	—	84.0	—	2,081	990	2,430	6.9	48.3	5.8	.0
603	Kce-Kct	102	Oct. 2, 1970	29	—	474	117	319	—	134	1,620	362	2.8	22.0	—	3,011	1,670	3,450	7.3	29.4	3.4	.0
603	Kce-Kct	102	June 19, 1975	42	—	418	81	243	—	138	1,240	305	3.7	82.0	—	2,482	1,380	2,900	7.8	27.8	2.8	.0
603	Kce-Kct	102	June 28, 1979	38	—	560	126	351	15.3	162	1,932	403	2.3	35.5	—	3,542	1,919	2,840	8.0	28.3	3.4	.0
801	Qal	145	Aug. 28, 1970	1	—	9	2	64	—	84	59	31	.2	1.0	—	208	33	371	7.3	81.9	5.0	.7
804	Kce-Kct	160	Aug. 27, 1970	31	—	183	32	410	—	189	1,030	198	1.8	< .4	—	1,979	590	2,500	7.7	60.2	7.3	.0
901	Kce-Kct	954	June 19, 1975	32	—	244	44	409	21.0	168	1,200	256	1.9	1.0	—	2,291	790	2,810	7.2	52.1	6.3	.0
904	Kce-Kct	200	Aug. 28, 1970	40	—	192	61	436	—	211	1,060	313	2.6	< .4	—	2,208	730	2,850	7.6	56.5	7.0	.0
912	Qal	112	Aug. 25, 1970	33	—	111	21	223	—	226	475	126	1.6	< .4	—	1,102	365	1,590	7.3	57.2	5.0	.0
912	Qal	112	Sept. 16, 1974	37	—	174	47	279	16.0	226	760	199	2.8	17.0	—	1,642	630	2,150	7.4	48.4	4.8	.0
43-201	Qal	900	Oct. 22, 1970	30	—	368	116	461	—	148	970	870	1.5	7.5	0.5	2,897	1,400	3,910	7.3	41.8	5.3	.0
201	Qal	900	June 19, 1975	34	—	392	100	448	—	151	990	890	1.6	10.0	—	2,939	1,390	3,850	7.3	41.2	5.2	.0
205	Qal, Lk	1,205	July 27, 1959	26	—	545	156	626	18.0	132	1,870	950	1.9	9.6	—	4,267	2,000	5,450	7.2	40.2	6.0	.0
205	Qal, K	1,205	Oct. 22, 1970	24	—	550	157	610	—	127	1,840	890	2.2	< .4	.6	4,136	2,010	4,950	7.3	39.7	5.9	.0
206	Qal	1,194	July 24, 1970	38	—	241	89	343	—	70	740	630	1.2	42.0	.4	2,159	970	2,980	7.7	43.5	4.7	.0
207	Qal	—	do	32	—	730	232	960	—	92	1,800	2,090	1.4	5.0	.6	5,896	2,770	7,300	7.8	42.9	7.9	.0
303	Qal	168	Nov. 7, 1946	—	—	296	86	385	—	230	787	650	—	5.0	—	2,322	1,090	3,500	—	43.4	5.0	.0
305	Qal	300	June 28, 1972	43	—	348	94	461	—	122	1,200	650	2.2	60.0	—	2,918	1,250	3,650	7.3	44.4	5.6	.0
305	Qal	300	June 19, 1975	46	—	337	83	480	—	106	1,060	720	2.2	47.0	—	2,827	1,186	3,640	7.3	46.9	6.0	.0
307	Qal, K?	1,284	do	51	—	357	85	630	—	117	1,180	930	2.7	9.0	—	3,302	1,240	4,300	7.1	52.5	7.7	.0
307	Qal, K?	1,284	June 25, 1979	55	—	326	95	569	—	126	1,092	878	1.6	.1	—	3,078	1,204	3,030	7.9	50.7	7.1	.0
602	Qal	575	Nov. 7, 1946	—	—	342	104	425	—	258	919	730	—	10.0	—	2,656	1,280	4,000	—	41.9	5.1	.0
901	Qal	800	July 27, 1959	38	—	295	38	412	22.0	214	862	630	—	2.2	.4	2,404	1,080	3,500	7.4	49.3	5.9	.0
901	Qal	800	Aug. 3, 1961	35	—	282	91	395	—	212	782	660	.9	20.0	—	2,370	1,080	3,550	7.3	44.4	5.2	.0
906	Qal	1,140	June 18, 1975	32	—	401	99	428	—	170	1,320	630	1.7	12.0	—	3,007	1,410	3,650	7.4	39.8	4.9	.0
44-204	Qal	545	June 28, 1972	34	—	730	250	880	—	211	1,270	2,290	1.5	116.0	—	5,675	2,840	5,050	7.1	40.2	7.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-44-204	Qal	545	June 19, 1975	32	—	800	242	1,000	—	209	1,320	2,390	1.5	150.0	—	6,038	2,990	7,160	7.2	42.1	7.9	0.0
404	Qal	1,269	do	32	—	770	206	830	—	163	1,180	2,080	1.7	279.0	—	5,458	2,780	6,540	7.2	39.5	6.8	.0
502	Qal	545	Aug. 3, 1961	43	—	395	162	851	—	278	1,170	1,450	1.5	8.0	—	4,217	1,650	6,260	6.8	52.8	9.1	.0
502	Qal	545	Apr. 25, 1975	44	—	770	309	1,370	—	256	1,860	2,790	2.1	35.0	—	7,305	3,210	8,270	7.3	48.3	10.5	.0
603	Qal	540	June 29, 1972	35	—	530	189	690	—	222	1,190	1,570	1.6	22.0	—	4,336	2,110	5,100	7.3	41.7	6.5	.0
603	Qal	540	June 19, 1975	34	—	570	163	710	—	224	1,150	1,550	1.6	57.0	—	4,345	2,110	5,640	7.3	42.5	6.7	.0
701	Qal	1,055	Sept. 17, 1974	32	—	292	99	402	—	189	690	830	1.6	14.0	—	2,453	1,140	3,510	7.2	43.5	5.1	.0
704	Qal	1,406	Aug. 3, 1961	33	—	248	74	432	—	208	782	620	1.0	3.2	—	2,295	924	3,450	6.8	50.4	6.1	.0
704	Qal	1,406	Apr. 18, 1975	30	—	454	133	600	—	214	920	1,250	1.4	93.0	—	3,586	1,680	4,750	7.1	43.7	6.3	.0
705	Qal	995	June 18, 1975	32	—	493	159	600	—	206	1,110	1,310	1.5	21.0	—	3,827	1,890	5,000	7.4	40.9	6.0	.0
804	Qal	1,080	do	37	—	700	174	790	—	264	1,670	1,530	1.7	23.0	—	5,055	2,470	5,980	7.2	41.1	6.9	.0
901	Qal	125	Jan. 13, 1940	—	—	282	139	765	—	321	1,130	1,060	—	—	—	3,533	1,280	5,240	—	56.6	9.3	.0
901	Qal	125	June 29, 1972	50	—	300	121	630	—	283	970	1,000	2.0	< .4	—	3,212	1,250	4,250	7.4	52.4	7.7	.0
901	Qal	125	Apr. 18, 1975	44	—	348	122	720	—	299	1,160	1,100	2.0	< .4	—	3,643	1,370	4,750	7.4	53.3	8.4	.0
901	Qal	125	June 18, 1975	46	—	330	110	680	—	287	960	1,030	2.1	< .4	—	3,299	1,280	4,370	7.4	53.7	8.2	.0
45-401	Qal	168	Feb. 25, 1940	—	—	243	95	374	—	163	670	695	—	—	—	2,157	997	3,400	—	44.9	5.1	.0
601	Qal	149	June 28, 1972	31	—	369	119	580	—	165	1,000	1,100	1.6	< .4	—	3,282	1,410	4,100	7.4	47.2	6.7	.0
601	Qal	149	June 19, 1975	32	—	322	87	640	—	192	960	1,010	2.0	2.7	—	3,150	1,160	4,250	7.4	54.5	8.1	.0
601	Qal	149	June 27, 1979	46	—	405	132	1,018	—	131	1,411	1,564	1.4	.1	—	4,641	1,555	4,300	7.2	58.8	11.2	.0
802	Qal, Trdsr?	180	Mar. 8, 1940	—	—	228	67	178	—	204	610	304	—	1.5	—	1,488	844	2,190	—	31.4	2.6	.0
46-102	Qal	125	Mar. 5, 1940	—	—	201	31	88	—	218	492	92	—	—	—	1,011	629	1,460	—	23.3	1.5	.0
102	Qal	125	Feb. 18, 1942	—	—	—	—	—	—	216	84	—	—	—	—	190	518	1,330	—	—	—	—
102	Qal	125	Oct. 17, 1951	31	—	90	24	72	—	220	181	75	1.5	7.0	—	589	323	—	7.5	32.6	1.7	.0
102	Qal	125	Apr. 27, 1975	42	—	294	44	116	—	188	750	131	1.9	67.0	—	1,538	920	1,850	7.6	21.6	1.6	.0
102	Qal	125	June 27, 1979	44	—	254	45	112	—	167	691	109	1.5	51.0	—	1,389	821	1,400	8.1	22.9	1.7	.0
47-601	Qal	—	Dec. 13, 1971	33	—	251	55	126	—	171	710	175	1.5	12.0	—	1,447	860	1,850	7.6	24.3	1.8	.0
49-101	Kce-Kct	300	Oct. 22, 1970	19	—	385	112	375	—	210	1,220	520	2.1	< .4	—	2,736	1,420	3,470	7.3	36.5	4.3	.0
302	Qal	280	Aug. 28, 1970	26	—	94	13	312	—	212	510	170	1.3	23.0	—	1,253	287	1,830	7.3	70.2	7.9	.0
401	Kce-Kct	338	Oct. 22, 1970	2	—	104	78	1,050	—	61	660	1,520	.7	21.0	—	3,465	580	5,250	8.6	79.7	18.9	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-49-501	Qal	285	Aug. 6, 1970	35	—	49	15	94	—	194	141	41	2.5	23.0	—	495	183	752	7.9	52.6	3.0	0.0
602	Qal	138	May 29, 1940	—	—	66	15	189	—	236	299	92	—	4.0	—	781	226	1,270	—	64.5	5.4	.0
602	Qal	138	Aug. 25, 1970	1	—	13	5	205	—	248	4	212	1.0	5.0	—	567	52	1,000	7.8	89.4	12.2	3.0
603	Kce-Kct	680	July 21, 1970	16	—	289	119	265	—	234	1,120	323	2.4	< .4	—	2,249	1,210	2,850	7.4	32.2	3.3	.0
50-201	Kce-Kct	1,305	Sept. 3, 1970	13	—	497	100	227	—	183	1,360	383	2.3	< .4	—	2,672	1,650	3,190	6.9	23.0	2.4	.0
201	Kce-Kct	1,305	Apr. 23, 1975	16	—	470	86	249	—	187	1,350	366	2.5	< .4	—	2,631	1,530	3,000	7.2	26.2	2.7	.0
401	Kce-Kct	—	July 21, 1970	16	—	257	111	267	—	246	920	332	2.6	< .4	—	2,026	1,100	2,690	7.2	34.6	3.5	.0
705	Kce-Kct	550	July 28, 1970	3	—	265	96	265	—	1	1,020	398	1.9	< .4	—	2,049	1,060	2,710	5.2	35.3	3.5	.0
51-202	Qal	801	Aug. 3, 1961	31	—	248	79	452	—	247	758	660	.9	2.8	—	2,353	944	3,540	6.8	51.0	6.4	.0
212	Qal, Lk	505	Sept. 10, 1970	42	—	376	88	300	14.0	196	1,040	530	1.9	< .4	0.5	2,489	1,300	3,170	7.3	33.1	3.6	.0
301	Qal	800	Aug. 29, 1959	32	—	255	88	391	21.0	211	780	640	—	3.8	—	2,314	998	3,300	7.6	45.3	5.3	.0
301	Qal	800	Aug. 3, 1961	—	—	255	89	406	—	222	748	650	.7	7.9	—	2,265	1,000	3,410	6.7	46.8	5.5	.0
401	Kce-Kct	600	July 28, 1970	34	—	320	47	301	—	146	1,090	250	1.4	< .4	—	2,115	990	2,590	7.3	39.8	4.1	.0
401	Kce-Kct	600	Sept. 2, 1970	36	—	299	40	277	—	178	990	245	1.3	2.5	—	1,978	910	2,500	7.3	39.8	3.9	.0
507	Qal, Lk?	930	Sept. 10, 1970	31	—	269	89	368	—	234	710	670	1.2	3.5	.5	2,257	1,040	3,230	7.2	43.6	4.9	.0
507	Qal, Lk?	930	June 18, 1975	32	—	285	72	353	—	223	680	650	1.6	12.0	—	2,195	1,010	3,130	7.5	43.2	4.8	.0
905	Qal	700	June 29, 1972	28	—	285	122	530	—	253	860	880	1.5	12.0	—	2,842	1,210	3,650	7.5	48.7	6.6	.0
905	Qal	700	June 18, 1975	25	—	307	99	560	—	256	790	940	2.2	24.0	—	2,873	1,180	4,060	7.4	50.9	7.1	.0
905	Qal	700	June 21, 1979	28	—	276	103	497	20.0	238	851	795	.9	14.0	—	2,701	1,112	2,750	8.3	48.7	6.4	.0
52-103	Qal	1,100	Aug. 18, 1950	57	—	236	101	347	—	194	630	610	—	1.2	—	2,077	1,000	3,160	7.3	42.9	4.7	.0
105	Qal	1,000	do	36	—	196	85	352	—	216	589	570	—	1.2	—	1,935	838	2,980	7.5	47.7	5.2	.0
201	Qal	—	Aug. 2, 1961	40	—	265	72	483	—	259	716	740	.9	3.8	—	2,448	957	3,700	7.3	52.3	6.7	.0
204	Qal	137	Nov. 12, 1946	—	—	312	116	517	—	288	945	820	—	3.5	—	2,855	1,260	4,380	—	47.2	6.3	.0
204	Qal	137	June 26, 1979	32	—	824	354	1,232	30.8	198	1,800	3,020	.9	101.4	—	7,492	3,517	6,050	8.1	43.0	9.0	.0
402	Qal	194	June 24, 1949	25	—	192	128	444	—	250	751	695	—	5.0	—	2,362	1,010	3,770	8.0	49.0	6.0	.0
406	Qal	700	June 29, 1972	34	—	257	92	378	—	189	670	690	1.6	14.0	—	2,229	1,020	3,200	7.3	44.6	5.1	.0
501	Qal	580	July 28, 1959	32	—	408	184	803	26.0	269	1,230	1,440	1.5	17.0	—	4,273	1,770	6,160	6.7	49.1	8.2	.0
501	Qal	580	June 18, 1975	30	—	690	237	1,120	—	250	1,840	2,060	2.2	59.0	—	6,161	2,690	6,850	7.3	47.5	9.3	.0
501	Qal	580	June 26, 1979	31	—	643	269	1,154	29.7	244	2,128	2,016	1.2	50.5	—	6,442	2,716	5,100	8.2	47.7	9.6	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-52-504	Qal, K	956	June 28, 1972	36	—	600	222	840	—	234	1,450	1,820	1.6	16.0	—	5,100	2,400	6,200	7.1	43.1	7.4	0.0
504	Qal, K	956	June 26, 1979	36	—	620	225	974	23.0	243	1,747	1,886	.7	23.1	—	5,654	2,475	4,600	8.0	45.8	8.5	.0
601	Qal	319	May 2, 1946	—	—	—	—	—	—	207	879	670	—	—	—	1,650	—	—	—	—	—	—
601	Qal	319	Nov. 12, 1946	—	—	—	—	—	—	324	782	755	—	—	—	1,696	—	3,910	—	—	—	—
705	Qal	600	June 26, 1979	31	—	332	113	533	20.1	257	1,008	874	.8	11.0	—	3,049	1,296	3,000	7.8	46.8	6.4	.0
707	Qal	700	June 29, 1972	30	—	375	144	660	—	235	1,110	1,170	1.9	28.0	—	3,634	1,530	4,750	7.3	48.4	7.3	.0
708	Qal	840	June 18, 1975	27	—	262	81	496	—	273	750	760	1.6	5.7	—	2,517	990	3,350	7.2	52.2	6.8	.0
708	Qal	840	June 26, 1979	30	—	247	97	497	18.2	266	842	759	1.0	6.0	—	2,627	1,019	2,650	7.3	51.0	6.7	.0
53-601	Qal	398	Mar. 6, 1959	31	—	170	36	91	6.4	251	247	225	.4	1.2	—	931	572	1,530	7.4	25.4	1.6	.0
601	Qal	398	Apr. 24, 1975	30	—	190	36	98	—	253	284	240	.7	.9	—	1,004	620	1,530	7.5	25.5	1.7	.0
601	Qal	398	June 27, 1979	30	—	194	37	100	6.7	250	306	248	.4	.1	—	1,045	636	1,260	7.9	25.2	1.7	.0
57-103	Kce-Kct	667	Mar. 19, 1970	15	—	185	63	351	—	272	560	510	1.6	< .4	—	1,819	720	2,640	7.3	51.4	5.6	.0
104	Kce-Kct	—	Sept. 11, 1970	15	—	186	57	285	—	275	462	427	1.0	< .4	—	1,568	700	2,350	7.8	47.0	4.6	.0
401	Kce-Kct	—	do	15	—	212	72	354	—	284	590	540	1.4	< .4	—	1,924	830	2,820	7.5	48.3	5.3	.0
503	Kce-kct	900	May 4, 1973	15	—	149	56	291	—	242	422	421	1.2	< .4	—	1,474	600	2,220	7.7	51.2	5.1	.0
503	Kce-Kct	900	June 17, 1975	16	—	131	37	229	—	226	336	324	1.2	< .4	—	1,185	479	1,880	7.7	51.0	4.5	.0
58-301	Qal	—	July 28, 1970	25	—	399	31	364	—	144	930	550	1.7	< .4	—	2,371	1,120	3,200	7.4	41.3	4.7	.0
601	Qal, Lk?	218	Apr. 18, 1975	32	—	232	50	207	—	221	486	400	1.6	< .4	—	1,517	790	2,100	7.8	36.5	3.2	.0
803	Kce-Kct	750	May 4, 1973	13	—	79	43	268	—	272	381	216	2.8	< .4	—	1,136	375	1,750	7.9	60.9	6.0	.0
59-101	Qal, K	610	Aug. 2, 1961	28	—	302	84	304	—	242	832	490	1.5	1.2	—	2,161	1,100	3,120	7.0	37.6	3.9	.0
108	Qal	589	Aug. 27, 1970	32	—	349	88	304	—	238	900	550	1.8	9.0	0.4	2,351	1,240	3,160	7.4	34.9	3.7	.0
204	Qal	530	do	30	—	209	74	444	—	279	710	620	1.9	< .4	—	2,226	830	3,200	7.3	53.9	6.7	.0
205	Qal	598	do	28	—	260	100	520	—	259	920	750	1.6	< .4	.5	2,707	1,060	3,740	7.0	51.6	6.9	.0
301	Qal	618	Aug. 2, 1961	26	—	210	82	493	—	282	692	690	1.4	5.3	—	2,338	861	3,620	—	55.5	7.3	.0
401	Qal, Lk	620	Jan. 20, 1975	34	—	240	47	178	—	231	477	344	1.0	1.5	—	1,436	800	2,100	7.4	32.8	2.7	.0
407	Qal, Lk	598	May 27, 1969	40	—	250	72	239	—	204	550	493	1.5	2.5	—	1,748	1,920	2,540	7.3	36.1	3.4	.0
506	Qal	635	July 1, 1969	31	—	327	130	620	—	273	1,020	1,000	2.2	10.0	—	3,274	1,350	4,350	7.3	50.0	7.3	.0
509	Qal	690	July 21, 1970	32	—	334	132	590	—	260	1,010	970	2.1	4.0	—	3,201	1,380	4,430	7.1	48.2	6.9	.0
509	Qal	690	Apr. 18, 1975	30	—	359	113	610	—	257	1,140	970	1.9	9.0	—	3,359	1,360	4,350	7.3	49.4	7.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-46-59-701	Qal	47	May 26, 1969	47	—	378	150	820	—	318	1,480	1,130	4.0	14.5	—	4,179	1,560	5,360	7.5	53.3	9.0	0.0
805	Qal, K	962	Oct. 22, 1969	33	—	351	139	680	—	281	1,140	1,030	2.0	4.5	—	3,517	1,450	4,700	7.2	50.5	7.7	.0
906	Qal	333	May 26, 1969	33	—	298	118	570	—	249	860	950	2.0	21.0	—	2,974	1,230	4,210	7.4	50.2	7.0	.0
60-101	Qal	560	June 28, 1972	20	—	471	127	359	—	233	1,460	540	2.5	8.0	—	3,102	1,700	3,550	7.1	31.5	3.7	.0
202	Por	1,625	Aug. 29, 1959	14	—	490	167	206	20.0	162	1,940	185	—	.0	0.7	3,102	1,910	3,390	6.6	18.8	2.0	.0
203	Kce-Kct	444	May 4, 1973	34	—	224	51	359	—	190	700	458	1.1	5.7	—	1,926	770	2,650	7.8	50.4	5.6	.0
401	Qal	200	Mar. 11, 1940	—	—	266	118	555	—	311	825	880	—	—	—	2,796	1,150	4,290	—	51.2	7.1	.0
702	Qal	450	June 28, 1972	43	—	343	87	447	—	221	730	840	1.3	17.0	—	2,616	1,220	3,050	7.2	44.5	5.5	.0
702	Qal	450	Jan. 16, 1975	39	—	379	76	454	—	215	740	910	1.3	37.0	—	2,742	1,260	3,850	7.5	44.0	5.5	.0
801	Qal(?)	119	July 30, 1940	—	—	228	107	384	—	178	662	715	—	.8	—	2,184	1,010	3,540	—	45.3	5.2	.0
903	Por	1,030	July 16, 1956	18	—	555	184	54	12.0	170	2,020	41	—	.2	—	2,967	2,140	3,390	7.3	5.2	.5	.0
903	Por	1,030	Aug. 14, 1959	16	—	530	186	53	12.0	165	1,930	44	2.7	.0	.4	2,855	2,090	2,980	6.8	5.2	.5	.0
61-102	Qal	480	Aug. 17, 1959	22	—	190	53	170	9.4	228	395	326	.8	.5	1.4	1,280	692	1,990	6.7	34.4	2.8	.0
102	Qal	480	June 28, 1972	18	—	204	60	177	—	234	414	368	1.0	< .4	—	1,357	760	2,000	7.3	33.7	2.8	.0
201	Qal	350	do	32	—	175	32	130	—	295	264	237	.6	1.5	—	1,017	570	1,520	7.3	33.2	2.3	.0
201	Qal	350	June 18, 1975	11	—	630	186	43	—	132	2,130	24	3.7	< .4	—	3,093	2,330	2,950	7.6	3.8	.3	.0
202	Qal	128	Aug. 20, 1940	—	—	144	31	141	—	194	268	252	—	1.2	—	932	487	1,610	—	38.6	2.7	.0
402	Kce-Kct	410	May 4, 1973	29	—	102	21	147	—	270	216	147	.8	4.9	—	800	342	1,220	7.7	48.4	3.4	.0
402	Kce-Kct	410	June 17, 1975	32	—	123	16	141	—	337	218	129	.9	< .4	—	826	373	1,250	7.2	45.1	3.1	.0
62-101	Qal	87	June 18, 1975	46	—	153	31	84	—	193	201	215	1.5	17.0	—	843	510	1,320	7.6	26.4	1.6	.0
101	Qal	87	June 27, 1979	48	—	134	32	77	—	190	200	194	1.1	13.0	—	792	469	1,050	7.3	26.4	1.5	.0
47-48-701	Kce-Kct	280	Aug. 6, 1970	18	—	331	78	147	—	182	960	211	1.9	7.0	—	1,843	1,150	2,300	7.4	21.8	1.8	.0
801	Kce-Kct	170	Aug. 5, 1970	20	—	448	119	364	—	218	1,490	500	2.4	< .4	—	3,050	1,610	3,620	7.1	33.0	3.9	.0
801	Kce-Kct	170	June 19, 1975	18	—	460	107	373	—	201	1,440	510	2.6	3.9	—	3,013	1,590	3,600	7.5	33.8	4.0	.0
801	Kce-Kct	170	June 28, 1979	21	—	441	135	385	—	196	1,529	543	2.3	7.1	—	3,159	1,660	2,950	7.6	33.6	4.1	.0
901	Kce-Kct	—	Aug. 7, 1970	15	—	65	50	620	14.0	233	1,040	345	2.6	< .4	—	2,266	367	3,170	7.6	77.8	14.0	.0
56-301	Kce-Kct	—	do	30	—	560	123	363	—	134	1,760	550	2.0	< .4	—	3,454	1,920	3,930	7.1	29.3	3.6	.0
503	Kce-Kct	482	Oct. 22, 1970	9	—	212	68	141	—	394	550	155	.6	6.0	—	1,335	809	1,810	7.1	27.5	2.1	.0
603	Kce-Kct	—	Mar. 17, 1970	13	—	413	100	294	—	212	1,220	405	2.1	3.0	—	2,554	1,440	3,000	7.3	30.7	3.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-47-56-603	Kce-Kct	—	Aug. 6, 1970	13	—	410	107	302	—	154	1,280	447	2.1	< 0.4	—	2,637	1,470	3,300	7.7	31.0	3.4	0.0
801	Kce-Kct	—	Mar. 13, 1970	16	—	238	84	403	—	162	800	620	1.4	< .4	—	2,242	940	3,180	8.0	48.3	5.7	.0
802	Kce-Kct	—	do	16	0.4	234	68	319	—	304	640	469	1.4	< .4	—	1,897	876	2,700	7.2	44.6	4.7	.0
901	Kce-Kct	381	do	17	—	268	70	249	—	282	710	367	1.4	< .4	—	1,821	960	2,490	7.2	36.2	3.5	.0
902	Kce-Kct	1,285	Aug. 7, 1969	0	—	82	11	81	—	24	227	84	—	—	—	547	250	1,020	—	41.4	2.2	.0
64-103	Tv	Spring	June 30, 1959	40	—	31	3	23	—	116	23	9	1.1	7.0	—	194	91	327	7.2	35.8	1.0	.1
103	Tv	Spring	Mar. 13, 1970	24	—	36	4	22	—	131	23	10	1.0	5.0	—	189	106	300	8.0	31.0	.9	.0
201	Lk	530	Mar. 17, 1970	11	—	176	65	364	—	270	560	510	1.6	< .4	—	1,820	708	2,650	7.4	52.8	5.9	.0
202	Lk	547	Mar. 13, 1970	17	—	209	70	364	—	268	630	530	1.5	< .4	—	1,953	810	2,800	7.3	49.4	5.5	.0
301	Qal	150	do	41	—	149	19	57	—	328	151	94	1.0	23.0	—	696	451	1,030	7.3	21.6	1.1	.0
02-101	Qal	Spring	Nov. 2, 1940	—	—	61	8	44	—	318	12	60	—	2.0	—	343	186	498	—	34.1	1.4	1.5
102	Qal	15	do	—	—	98	7	6	—	323	11	70	—	2.4	—	353	275	—	—	4.6	.1	.0
102	Qal	15	July 30, 1969	58	—	101	7	10	—	346	12	2	.4	< .4	—	360	283	527	7.7	7.2	.2	.0
302	Tv	85	Dec. 11, 1946	32	.8	178	29	274	6.8	376	517	220	.8	12.0	—	1,455	563	—	7.0	51.0	5.0	.0
307	Qal, K	54	Sept. 11, 1940	—	—	316	111	591	—	302	984	885	—	12.0	—	3,047	1,240	—	—	50.8	7.2	.0
402	Qal	150	Mar. 11, 1970	18	—	190	87	461	—	268	710	650	2.2	< .4	—	2,250	830	3,250	8.0	54.6	6.9	.0
507	Kg	190+	Mar. 16, 1970	11	—	59	41	288	—	500	9	379	2.1	< .4	—	1,035	318	1,820	7.3	66.5	7.0	1.8
601	Lk	500	May 13, 1969	19	—	157	60	318	—	257	460	474	1.7	1.5	—	1,617	640	2,480	8.0	52.0	5.4	.0
610	Lk	Spring	July 10, 1969	18	—	186	86	433	—	277	660	600	2.1	< .4	—	2,121	820	3,050	7.9	53.5	6.5	.0
03-101	Tv	150	June 12, 1969	58	—	247	28	57	—	203	252	304	.6	4.0	—	1,050	730	1,580	7.3	14.5	.9	.0
103	Qal	110	do	36	—	269	83	570	—	272	960	750	2.2	13.0	—	2,816	1,010	3,750	7.3	55.0	7.7	.0
103	Qal	110	Sept. 17, 1974	30	—	281	131	640	—	329	1,060	920	3.1	3.7	—	3,230	1,240	4,300	7.4	52.9	7.9	.0
204	Qal, K	900	May 14, 1969	38	—	266	81	488	—	281	760	750	2.0	3.0	—	2,526	1,000	3,580	7.4	51.6	6.7	.0
301	Qal	547	Aug. 16, 1950	—	—	—	—	—	—	304	500	514	—	—	—	1,163	624	2,820	7.3	—	—	—
301	Qal	547	Aug. 2, 1961	44	—	272	64	438	—	223	704	690	.9	3.8	—	2,326	942	3,520	7.4	50.3	6.2	.0
305	Qal, Lk	550	May 20, 1969	38	—	223	95	446	—	284	690	660	2.2	2.5	—	2,296	950	3,320	7.3	50.6	6.3	.0
04-103	Qal, Lk	699	May 22, 1969	47	—	190	29	196	—	244	354	327	1.2	3.0	—	1,267	600	1,900	7.3	41.8	3.5	.0
103	Qal, Lk	699	Apr. 17, 1975	44	—	219	31	225	—	250	397	382	.9	7.0	—	1,428	680	2,100	7.5	42.1	3.7	.0
105	Qal	350	July 15, 1970	39	—	140	30	181	—	294	274	249	.8	< .4	—	1,058	473	1,620	7.2	45.4	3.6	.0
203	Lk	498	July 14, 1970	16	—	210	66	115	—	222	590	153	1.9	< .4	0.3	1,261	790	1,760	7.4	23.9	1.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
WD-52-04-205	Kce-Kct	536	July 14, 1970	13	—	194	53	83	—	220	497	139	1.3	< 0.4	0.2	1,089	710	1,530	7.5	20.4	1.3	0.0
301	Kce-Kct	615	Sept. 13, 1959	14	—	172	48	75	8.0	196	436	142	—	.0	.2	991	626	1,450	6.9	20.4	1.3	.0
303	Lk	—	July 29, 1970	14	—	112	27	72	—	272	153	113	.7	< .4	—	625	390	990	8.0	28.6	1.5	.0
401	Qal	400	July 14, 1970	36	—	131	30	180	—	287	271	246	.8	1.0	—	1,036	453	1,600	7.2	46.5	3.6	.0
501	Qal	140+	July 15, 1970	43	—	100	19	46	—	342	71	49	.8	4.0	—	500	327	769	7.5	23.4	1.1	.0
502	Qal	11,978	do	41	—	118	28	164	—	282	242	212	1.1	1.0	—	945	412	1,450	7.4	46.6	3.5	.0
503	Lk	930	July 14, 1970	13	—	133	36	102	—	228	231	198	2.7	< .4	.2	828	479	1,330	7.4	31.6	2.0	.0
902	Kce-Kct	192	July 16, 1970	32	—	206	43	102	—	259	247	321	1.1	< .4	—	1,079	690	1,690	7.5	24.3	1.6	.0
902	Kce-Kct	192	Apr. 18, 1975	37	—	147	30	140	—	262	253	232	1.0	10.0	—	978	493	1,500	7.4	38.3	2.7	.0
902	Kce-Kct	192	June 27, 1979	33	—	126	30	152	7.4	264	276	208	.8	4.4	—	967	441	1,290	8.3	42.5	3.1	.0
903	Qal	—	July 30, 1970	34	—	69	22	31	—	279	70	18	1.4	5.5	—	388	265	580	7.9	20.4	.8	.0
05-201	Lk	—	Apr. 3, 1959	—	0.6	102	19	55	—	336	153	27	.7	15.0	—	537	335	916	6.8	26.4	1.3	.0
401	Kce-Kct	445	July 29, 1970	30	—	87	12	54	—	257	108	37	.7	5.0	—	460	269	703	7.5	30.6	1.4	.0
401	Kce-Kct	445	June 17, 1975	27	—	103	12	52	—	311	101	35	.6	13.0	—	496	308	774	7.5	27.0	1.2	.0
402	Kce-Kct	—	July 29, 1970	18	—	127	25	104	—	248	201	164	.8	< .4	—	762	421	1,190	7.4	35.0	2.2	.0
402	Kce-Kct	—	June 17, 1975	18	—	123	24	108	—	270	203	162	.9	< .4	—	772	407	1,200	7.5	36.7	2.3	.0
402	Kce-Kct	—	June 27, 1979	21	—	116	26	92	6.2	271	190	143	.7	4.9	—	733	396	1,060	7.9	33.1	2.0	.0
502	Lk	—	July 29, 1970	16	—	120	27	105	—	255	205	164	.7	< .4	—	763	412	1,175	7.6	35.8	2.2	.0
701	Kce-Kct	—	do	41	—	74	15	24	—	276	42	17	1.2	5.5	—	355	249	545	7.4	17.5	.6	.0
701	Kce-Kct	—	Apr. 17, 1975	39	—	82	17	35	—	228	80	42	1.4	27.0	—	435	274	674	7.6	21.7	.9	.0
701	Kce-Kct	—	June 27, 1979	48	—	73	16	26	—	240	67	25	1.1	11.0	—	385	250	524	7.9	18.6	.7	.0
11-101	Tv	Spring	May 14, 1969	42	—	24	2	13	—	104	7	3	.5	2.5	—	145	70	195	7.1	29.3	.6	.3
12-301	Kce-Kct	314	Sept. 1, 1959	17	—	7	4	365	—	433	174	196	3.6	5.5	—	985	34	1,610	7.5	95.9	27.2	6.4
301	Kce-Kct	314	July 16, 1970	18	—	7	4	399	—	475	168	218	4.4	< .4	—	1,052	36	1,720	8.6	96.2	29.8	7.1
301	Kce-Kct	314	June 17, 1975	13	—	9	2	320	—	466	137	148	4.0	2.0	—	864	33	1,440	8.0	95.8	25.1	7.0
301	Kce-Kct	314	June 27, 1979	52	—	34	6	15	—	138	12	10	.4	< .4	—	197	108	251	7.3	23.0	.6	.0
302	K?	—	Apr. 8, 1959	—	.5	104	25	116	—	265	180	171	.8	—	—	727	365	—	7.2	41.0	2.6	.0
502	Tv	—	Sept. 1, 1959	45	—	46	4	10	—	165	7	6	.4	3.8	—	203	132	306	6.5	14.2	.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Terrell County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
XX-53-30-501	Kce-Kct	400	May 17, 1973	15	—	120	41	151	—	266	286	211	1.4	1.5	—	957	468	1,460	7.9	41.2	3.0	0.0
501	Kce-Kct	400	July 24, 1979	17	—	120	41	151	—	268	277	217	1.3	1.6	—	957	468	1,300	7.8	41.2	3.0	.0
32-601	Kce-Kct	—	May 17, 1973	10	—	105	33	115	—	231	224	163	1.4	< .4	—	765	398	1,160	7.6	38.6	2.5	.0
601	Kce-Kct	—	July 24, 1979	21	—	84	39	126	—	202	234	178	1.3	< .4	—	783	372	1,120	7.7	42.6	2.8	.0
39-301	Kce-Kct	600+	May 17, 1973	10	—	49	22	32	—	190	64	37	1.3	< .4	—	309	214	533	7.5	24.6	.9	.0
301	Kce-Kct	600+	July 24, 1979	32	—	73	18	25	—	240	72	29	1.1	.1	—	388	257	550	7.9	17.5	.6	.0
44-801	Kce-Kct	257	Nov. 2, 1960	24	—	60	17	7	1.0	267	5	3	.5	10.0	—	258	220	434	7.1	6.4	.2	.0
48-801	Kce-Kct	500	Nov. 17, 1960	—	—	64	11	11	1.5	221	13	18	.5	11.0	—	238	205	441	7.0	10.4	.3	.0
53-801	Kce-Kct	840	May 15, 1973	19	—	64	16	10	—	250	12	11	.5	13.0	—	268	225	447	7.6	8.8	.2	.0
801	Kce-Kct	840	July 10, 1979	21	—	65	16	10	—	253	16	13	.5	13.6	—	279	228	445	7.8	8.7	.2	.0
63-101	Kce-Kct	800±	May 17, 1973	12	—	50	27	22	—	214	51	30	1.0	16.0	—	314	239	529	7.5	16.9	.6	.0
101	Kce-Kct	800+	July 10, 1979	15	—	51	28	22	—	217	53	32	.9	13.7	—	322	240	520	7.5	16.5	.6	.0
64-402	Kce-Kct	1,800	May 15, 1973	11	—	42	28	87	—	261	65	88	1.5	< .4	—	451	221	781	7.7	46.2	2.5	.0
402	Kce-Kct	1,800	July 10, 1979	12	—	42	27	87	7.0	260	72	94	1.4	.1	—	470	216	742	8.0	45.7	2.5	.0
54-18-902	Kce-Kct	—	May 15, 1973	16	—	215	94	437	—	205	363	920	1.1	2.7	—	2,149	930	3,310	7.3	50.7	6.2	.0
27-601	Kce-Kct	60	Jan. 26, 1955	26	—	80	20	45	1.7	277	66	53	.7	11.0	0.1	439	282	732	7.8	25.6	1.1	.0
33-901	Kce-Kct	660	Nov. 18, 1960	9	—	90	32	84	—	244	186	100	1.7	.0	—	622	356	1,020	7.0	33.9	1.9	.0
50-701	Kce-Kct	550±	do	8	—	39	40	81	—	224	133	78	2.2	—	—	491	262	832	7.9	40.2	2.1	.0
701	Kce-Kct	550±	May 15, 1973	5	—	34	43	86	—	214	137	85	2.5	1.3	—	499	261	831	7.5	41.7	2.3	.0
58-501	Kce-Kct	—	do	16	—	25	27	431	—	497	294	285	3.2	1.9	—	1,327	175	2,040	7.4	84.4	14.2	4.6
501	Kce-Kct	—	July 10, 1979	11	—	35	16	323	15.0	419	237	214	2.2	.1	—	1,059	155	1,490	7.9	80.3	11.3	3.8
71-01-501	Kce-Kct	1,000	May 14, 1973	14	—	66	19	37	—	285	37	32	1.0	7.0	—	353	244	586	7.8	24.9	1.0	.0
72-05-301	Kce-Kct	—	May 15, 1973	14	—	35	24	5	—	207	11	7	.4	3.3	—	201	185	351	8.0	5.5	.1	.0
301	Kce-Kct	—	July 10, 1979	14	—	53	22	3	—	253	13	5	.3	4.0	—	238	222	403	7.7	2.8	.0	.0
16-101	Kce-Kct	900+	May 15, 1973	16	—	42	23	15	—	217	26	16	.7	3.9	—	249	202	429	7.7	14.1	.4	.0
101	Kce-Kct	900+	July 10, 1979	15	—	52	19	13	—	231	26	15	.6	6.5	—	260	211	429	7.9	12.0	.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-45-17-701	Trdsr, Qal	403	Apr. 28, 1967	14	—	91	20	138	4.9	196	280	114	1.1	0.2	—	759	310	1,200	7.2	48.8	3.4	0.0
801	Trdsr, Qal	64	May 16, 1940	—	—	160	23	124	—	212	423	106	—	.3	—	940	494	1,420	—	35.3	2.4	.0
906	Trdsr, Qal	442	Nov. 2, 1951	36	—	—	—	—	—	154	—	26	—	—	—	137	146	403	7.4	—	—	—
906	Trdsr, Qal	442	Sept. 19, 1966	42	—	20	41	56	—	134	30	142	—	—	—	396	220	565	7.5	35.8	1.6	.0
906	Trdsr, Qal	442	Sept. 14, 1974	30	—	141	12	73	—	134	50	285	1.4	2.1	—	660	403	1,156	7.8	28.4	1.5	.0
18-801	Trdsr, Qal	75	May 14, 1967	37	—	36	8	6	2.4	114	14	5	.4	24.0	—	188	121	275	7.1	9.4	.2	.0
901	Trdsr	81	Mar. 22, 1940	—	—	163	51	166	—	160	643	126	—	—	—	1,227	616	1,750	—	36.9	2.9	.0
25-103	Trdsr, Qal	157	May 3, 1940	—	—	90	31	79	—	189	226	94	—	2.5	—	615	352	1,020	—	32.8	1.8	.0
201	Trdsr, Qal	95	Apr. 29, 1941	—	—	42	5	16	—	130	24	19	.8	—	—	170	126	347	—	21.7	.6	.0
201	Trdsr, Qal	95	Apr. 28, 1967	40	—	62	7	20	1.4	130	70	33	.8	—	—	298	184	455	7.6	19.0	.6	.0
203	Trdsr	294	Sept. 26, 1967	60	—	58	13	25	3.5	134	87	38	.7	2.5	—	353	198	508	7.4	21.2	.7	.0
302	Qal	123	Apr. 28, 1967	17	—	104	19	318	4.8	200	454	280	1.8	16.0	—	1,312	335	2,060	7.5	66.8	7.5	.0
304	Trdsr, Qal	110	Apr. 29, 1941	38	—	68	11	16	—	118	53	67	.7	2.2	—	313	215	534	—	13.9	.4	.0
304	Trdsr, Qal	110	Apr. 13, 1967	39	—	94	14	48	2.7	136	118	98	.7	39.0	—	520	292	823	6.9	26.1	1.2	.0
315	Trdsr?, Qal	221	June 22, 1956	—	—	46	8	43	—	171	40	46	1.6	2.4	—	271	148	—	7.8	38.8	1.5	.0
315	Trdsr?, Qal	221	Sept. 15, 1964	15	—	83	11	62	—	161	121	93	—	—	—	464	254	—	7.6	34.8	1.6	.0
315	Trdsr?, Qal	221	Dec. 28, 1966	—	—	201	25	124	—	190	312	280	1.1	12.0	—	1,048	610	—	7.4	30.8	2.1	.0
315	Trdsr?, Qal	221	June 1, 1967	—	—	206	26	139	—	189	357	289	1.2	15.0	—	1,126	620	—	7.6	32.7	2.4	.0
315	Trdsr?, Qal	221	Jan. 28, 1968	—	—	248	35	235	—	207	570	367	1.1	14.0	—	1,571	760	—	7.5	40.1	3.7	.0
315	Trdsr?, Qal	221	Sept. 14, 1974	35	—	62	16	65	—	171	84	97	2.0	5.7	—	450	221	725	7.9	39.1	1.9	.0
315	Trdsr?, Qal	221	July 26, 1979	39	—	72	29	109	—	176	109	197	2.0	3.0	—	646	298	966	7.5	44.2	2.7	.0
317	Por	965	Mar. 30, 1951	18	—	1,010	638	13,100	19.0	116	5,050	19,800	1.7	—	4.4	39,700	5,140	—	7.4	—	—	—
317	Trdsr	160	Apr. 28, 1967	73	—	—	—	—	—	244	436	186	—	—	—	—	512	—	7.3	—	—	.0
402	Trdsr, Qal	763	Aug. 30, 1967	22	—	96	34	201	5.1	208	185	330	1.5	3.0	—	979	380	1,670	7.6	53.1	4.4	.0
404	Trdsr?	346	Feb. 25, 1943	—	—	103	30	86	—	175	254	112	—	3.0	—	674	380	—	—	33.0	1.9	.0
405	Trdsr	650	Sept. 8, 1967	15	—	50	21	180	4.3	180	140	225	1.8	.5	—	726	212	1,230	7.9	64.4	5.3	.0
501	Trdsr, Qal	200	May 13, 1967	30	—	35	6	81	3.0	208	54	39	2.5	1.0	—	353	112	566	7.4	60.3	3.3	1.1
505	Trdsr, Qal	120	May 15, 1941	—	—	139	49	171	—	145	673	72	—	—	—	1,175	548	1,660	—	40.4	3.1	.0
505	Trdsr, Qal	120	Mar. 29, 1968	62	—	272	78	398	34.0	180	1,480	144	—	1.4	0.7	2,558	1,000	3,180	7.2	45.4	5.4	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-45-25-505	Trdsr, Qal	120	Sept. 14, 1974	44	—	115	34	93	32.0	166	416	64	2.2	3.3	—	885	425	1,161	7.8	30.2	1.9	0.0
701	Qal	190	Mar. 29, 1968	44	—	97	24	103	3.6	192	315	54	2.6	1.8	—	739	340	1,070	7.5	39.3	2.4	.0
702	Qal	79	May 29, 1940	—	—	112	33	12	—	332	38	32	—	105.0	—	495	415	843	—	5.9	.2	.0
801	Trdsr, Qal	186	Apr. 23, 1941	—	—	—	—	—	—	—	—	355	—	—	—	355	—	3,250	—	—	—	—
803	Qal	90	Mar. 29, 1968	56	—	592	110	244	63.0	92	2,120	173	—	15.0	—	3,418	1,930	3,650	7.0	20.9	2.4	.0
903	Qal, Trdsr?	100	May 11, 1967	48	—	58	15	101	3.8	206	162	62	2.7	3.2	—	556	206	848	7.2	51.0	3.0	.0
903	Qal, Trdsr?	100	Dec. 4, 1974	48	—	302	70	610	—	210	1,460	486	2.4	19.0	—	3,100	1,040	3,650	7.8	56.0	8.2	.0
907	Trdsr	126	May 11, 1967	51	—	69	19	109	3.7	237	178	73	2.9	2.5	—	624	250	957	7.1	48.2	2.9	.0
26-201	Trdsr	72	May 16, 1940	—	—	36	10	14	—	132	19	8	25.0	—	—	176	129	301	—	18.9	.5	.0
202	Trdsr, Qal	80	July 23, 1974	28	—	38	5	11	—	98	17	15	.7	26.0	—	188	117	292	7.3	17.2	.4	.0
401	Trdsr	130	May 15, 1967	82	—	44	8	39	2.1	179	47	20	1.4	1.2	—	332	142	447	7.2	36.8	1.4	.0
501	Trdsr	80	do	39	—	73	16	49	3.7	240	86	34	1.6	23.0	—	443	248	684	7.1	29.7	1.3	.0
502	Trdsr	124	do	41	—	150	40	122	4.7	168	508	94	2.5	5.7	—	1,050	538	1,480	7.0	32.8	2.2	.0
502	Trdsr	124	Sept. 14, 1974	42	—	154	39	119	—	165	520	96	2.4	8.0	—	1,061	550	1,400	7.7	32.2	2.2	.0
701	Trdsr	213	May 16, 1967	41	—	82	19	201	4.6	248	282	152	2.2	3.0	—	908	282	1,400	7.3	60.2	5.2	.0
703	Trdsr	150	July 22, 1974	26	—	204	35	474	—	249	860	426	2.8	19.0	—	2,169	650	2,940	7.6	61.2	8.0	.0
33-102	Qal	175	May 17, 1940	—	—	78	23	71	—	124	197	96	2.0	—	—	527	289	1,040	—	34.8	1.8	.0
103	Qal	157	Nov. 11, 1966	—	—	62	24	127	—	212	160	137	—	—	—	614	252	—	7.9	52.2	3.4	.0
201	Trdsr	409	Nov. 28, 1959	—	—	157	59	131	—	131	615	110	—	—	—	1,136	—	—	7.0	31.0	2.2	.0
208	Qal	240	Nov. 11, 1966	—	—	120	44	145	—	183	387	173	—	—	—	958	482	—	7.3	39.6	2.8	.0
302	Trdsr?	117	Apr. 23, 1941	—	—	475	142	301	—	164	2,020	110	36.0	—	—	3,164	1,770	3,580	—	27.0	3.1	.0
501	Qal	71	Apr. 2, 1941	—	—	172	32	135	—	280	359	154	—	41.0	—	1,030	561	1,680	—	34.4	2.4	.0
501	Qal	71	Apr. 2, 1949	60	—	164	36	127	—	272	333	155	—	55.0	—	1,063	558	1,570	—	33.1	2.3	.0
501	Qal	71	Dec. 7, 1971	50	—	165	31	137	—	215	377	166	2.4	33.0	—	1,067	540	1,500	7.5	35.6	2.5	.0
501	Qal	71	Dec. 7, 1972	53	—	180	32	139	—	226	402	181	2.2	28.0	—	1,128	580	1,600	7.4	34.2	2.5	.0
507	Qal	230	June 22, 1967	29	—	70	22	325	5.3	234	224	398	2.4	3.5	—	1,194	265	2,020	7.7	72.2	8.6	.0
707	Qal	210	do	36	—	126	40	615	8.2	264	396	860	—	2.5	—	2,213	479	3,660	—	73.2	12.2	.0
812	Qal	140	June 1, 1964	—	—	96	31	405	—	229	262	550	2.2	2.0	—	1,460	366	3,020	7.5	70.6	9.1	.0
812	Qal	140	Jan. 22, 1965	—	—	86	28	366	—	233	261	475	2.5	2.0	—	1,335	330	2,670	7.7	70.7	8.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-45-33-812	Qal	140	Feb. 17, 1966	—	—	92	27	361	—	228	227	478	2.3	1.5	—	1,300	342	2,640	7.6	69.7	8.5	0.0
812	Qal	140	Jan. 17, 1967	—	—	84	33	350	—	235	248	472	2.6	1.5	—	1,306	334	—	7.6	68.8	8.1	.0
812	Qal	140	Sept. 13, 1974	27	—	95	25	354	—	228	250	489	2.0	.8	—	1,354	339	2,150	7.9	69.4	8.3	.0
812	Qal	140	July 25, 1979	34	—	99	31	355	—	262	265	478	2.0	.1	—	1,392	376	1,860	7.6	67.3	7.9	.0
816	Qal	123	Mar. 29, 1940	—	—	88	28	148	—	234	237	270	—	3.0	—	889	499	1,650	—	49.0	3.5	.0
816	Qal	123	Aug. 8, 1967	30	—	136	41	301	6.4	232	408	400	1.8	3.8	—	1,442	508	2,300	7.8	55.9	5.8	.0
901	Qal	95	May 15, 1940	18	—	94	40	367	9.6	240	324	463	1.7	1.0	—	1,436	399	2,410	—	66.0	7.9	.0
901	Qal	95	Oct. 18, 1940	22	—	93	35	371	—	256	320	454	1.4	2.4	—	1,424	376	—	7.0	68.2	8.3	.0
901	Qal	95	Aug. 26, 1949	31	—	109	33	345	—	268	309	437	2.0	—	—	1,397	408	—	7.0	64.8	7.4	.0
901	Qal	95	Mar. 19, 1954	30	—	86	35	349	—	244	324	412	1.6	—	—	1,357	359	—	—	67.9	8.0	.0
34-401	Trdsr, Qal	100	Nov. 2, 1954	62	—	90	29	398	—	223	704	198	4.0	3.8	—	1,598	344	—	7.7	71.6	9.3	.0
402	Trdsr	155	May 13, 1967	45	—	178	52	313	7.9	258	636	325	2.4	2.8	—	1,688	658	2,520	7.1	50.5	5.3	.0
402	Trdsr	155	Aug. 24, 1970	43	—	181	50	308	—	260	620	341	2.3	1.5	—	1,674	660	2,340	7.6	50.5	5.2	.0
402	Trdsr	155	Sept. 13, 1974	42	—	232	53	371	10.0	261	770	448	2.5	4.7	—	2,061	800	2,750	8.0	49.9	5.7	.0
505	Trdsr, Qal	400	June 20, 1967	61	—	150	41	582	7.3	216	1,030	410	5.6	—	—	2,393	542	3,420	7.6	69.6	10.8	.0
701	Trdsr?	102	July 22, 1974	23	—	277	115	640	—	222	1,180	810	2.7	40.0	—	3,196	1,160	4,160	7.5	54.5	8.1	.0
702	Trdsr?	136	Apr. 22, 1940	—	—	58	18	187	—	273	180	152	—	—	—	729	219	1,300	—	65.0	5.5	.0
802	Qal?	89	Mar. 20, 1940	—	—	437	130	360	—	140	1,740	340	—	—	—	3,075	1,630	3,850	—	32.5	3.8	.0
41-101	Pgsr	2,566	Mar. 31, 1968	15	—	470	180	600	29.0	376	1,630	880	—	< .4	—	3,989	1,910	5,190	7.6	40.1	5.9	.0
42-103	Trdsr	146	Apr. 22, 1940	—	—	221	88	889	—	212	507	1,520	—	—	—	3,329	915	5,630	—	67.9	12.7	.0
104	Qal	78	Mar. 27, 1941	—	—	348	158	1,190	—	430	1,360	1,650	—	1.0	—	4,918	1,520	7,400	—	63.0	13.2	.0
107	Qal	125	Mar. 29, 1940	40	—	138	47	375	22.0	241	504	440	2.3	.7	—	1,687	538	2,680	—	59.0	7.0	.0
107	Qal	125	Apr. 26, 1967	44	—	176	56	435	7.4	238	572	605	6.7	—	—	2,019	670	3,160	7.2	58.2	7.3	.0
401	Qal	14	Mar. 5, 1940	—	—	720	234	1,260	—	187	2,440	2,000	—	—	—	6,745	2,760	9,190	—	49.8	10.4	.0
507	Qal	67	Apr. 29, 1967	28	—	880	368	2,450	21.0	196	2,890	4,150	—	—	—	10,883	3,710	15,600	7.2	58.8	17.5	.0
507	Qal	67	Sept. 13, 1974	26	—	850	360	2,430	—	195	2,960	4,010	2.7	4.1	—	10,738	3,630	11,250	7.7	59.5	17.6	.0
509	Qal	64	Apr. 27, 1967	27	—	800	298	1,920	29.0	152	2,640	3,150	—	—	—	8,938	2,330	12,900	6.8	56.2	14.7	.0
510	Qal	60	do	33	—	880	358	2,600	24.0	196	2,790	4,450	—	—	—	11,231	3,670	16,300	7.1	60.5	18.6	.0
603	Por?	1,695	May 15, 1940	—	—	1,420	104	2,080	—	67	6,100	33,100	—	—	—	42,836	7,800	79,800	—	53.2	14.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-45-42-801	Pgc?	4,000	Aug. 6, 1943	—	—	766	237	641	—	391	2,410	1,030	0.4	—	—	5,276	2,800	6,440	—	32.6	5.1	0.0
802	Por	491	Feb. 4, 1958	9	—	1,700	981	2,530	—	129	5,450	40,800	—	—	—	51,533	8,280	—	7.4	39.9	12.0	.0
46-21-701	Qal	105	Dec. 28, 1939	—	—	612	213	1,040	—	198	2,040	1,680	—	—	—	5,682	2,400	2,850	—	48.5	9.2	.0
703	Trdsr, Qal	228	Feb. 3, 1966	—	—	233	53	53	—	149	702	82	—	—	—	1,196	800	—	7.3	12.6	.8	.0
802	Qal	97	Oct. 25, 1939	—	—	115	42	17	—	207	227	64	—	—	—	566	460	912	—	7.4	.3	.0
23-803	Trdsr, Qal	176	Aug. 22, 1940	—	—	148	50	400	—	144	611	488	—	4.2	—	1,772	—	2,870	—	60.2	7.2	.0
904	Qal	300	Oct. 21, 1956	48	—	211	102	400	—	186	531	780	2.6	3.2	—	2,169	945	3,470	7.5	47.9	5.6	.0
904	Qal	300	Sept. 13, 1967	45	—	210	102	355	15.0	184	520	760	—	4.0	—	2,101	944	3,300	7.3	44.5	5.0	.0
904	Qal	300	Sept. 14, 1974	42	—	216	98	354	18.0	179	480	750	2.6	5.1	—	2,053	940	3,050	7.9	44.4	5.0	.0
906	Trdsr, Qal	125	Aug. 23, 1940	—	—	60	22	109	—	215	91	146	—	1.5	—	535	—	982	—	49.7	3.0	.0
906	Trdsr, Qal	125	Sept. 12, 1967	—	—	36	21	136	7.0	217	89	143	3.0	3.5	—	545	176	971	7.7	61.5	4.4	.0
24-704	Qal	392	Oct. 25, 1961	—	0.14	56	16	75[4]	—	174	77	81	2.3	5.3	—	399	205	730	7.8	—	—	—
[2] 704	Qal	392	Sept. 16, 1964	—	.20	60	19	69[4]	—	185	56	120	—	—	—	415	228	—	7.5	—	—	—
704	Qal	392	June 1, 1967	—	.04	60	16	61[4]	—	179	83	79	2.3	4.0	—	393	218	—	7.4	—	—	—
704	Qal	392	Jan. 28, 1968	—	.32	57	17	62[4]	—	177	83	81	2.2	2.0	—	391	214	—	7.6	—	—	—
713	Trdsr, Qal	415	Dec. 1977	—	—	32	31	158	—	54	101	284	1.6	.1	—	633	208	—	—	—	—	—
714	Trdsr, Qal	415	do	—	—	24	16	45	—	96	81	43	1.9	< .4	—	257	124	—	—	—	—	—
802	Qal	149	Feb. 23, 1940	—	—	70	16	32	—	200	86	40	—	—	—	342	240	598	—	22.4	.8	.0
802	Qal	149	Aug. 31, 1967	52	—	69	13	35	2.5	188	86	37	2.1	5.0	—	394	226	587	7.6	25.0	1.0	.0
802	Qal	149	Dec. 8, 1971	46	—	62	14	37	—	168	83	38	2.3	4.0	—	368	212	547	7.9	27.5	1.1	.0
802	Qal	149	Sept. 15, 1974	29	—	54	12	39	—	129	88	45	2.2	2.5	—	335	183	530	7.4	31.5	1.2	.0
804	Trdsr, Qal	225	Dec. 14, 1967	20	—	44	12	109	2.8	176	67	133	1.6	—	—	475	160	826	7.1	59.3	3.7	.0
903	Trdsr, Qal	180	Aug. 31, 1967	15	—	91	18	71	4.2	206	242	36	.8	—	—	579	301	863	—	33.5	1.7	.0
29-101	Trdsr, Qal	103	Oct. 17, 1967	34	—	448	106	634	6.6	184	1,280	1,030	—	4.5	—	3,633	1,550	5,060	7.2	46.9	6.9	.0
101	Trdsr, Qal	103	Sept. 15, 1974	37	—	469	104	630	—	170	1,310	1,090	1.6	1.2	—	3,726	1,600	4,700	7.4	46.2	6.8	.0
101	Trdsr, Qal	103	July 26, 1979	45	—	543	135	599	—	136	1,294	1,293	1.0	2.3	—	3,979	1,915	3,810	7.3	40.6	5.9	.0
202	Qal	86	Oct. 25, 1939	—	—	202	49	46	—	214	364	178	—	—	—	944	706	1,510	—	12.4	.7	.0
202	Qal	86	Oct. 23, 1967	47	—	199	32	25	5.3	270	190	139	.9	72.0	—	842	628	1,260	7.3	7.9	.4	.0
203	Qal	68	Oct. 25, 1939	—	—	417	98	498	—	202	1,140	830	—	—	—	3,082	1,440	4,490	—	42.9	5.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-46-29-301	Trdsr?	144	Oct. 26, 1939	—	—	108	51	116	—	168	475	71	—	—	—	903	479	1,390	—	34.5	2.3	0.0
402	Qal	60	Dec. 3, 1939	—	—	268	67	1,070	—	223	1,530	1,060	—	—	—	4,104	944	5,660	—	71.1	15.1	.0
601	Trdsr?, Qal	100	May 14, 1941	—	—	601	149	181	—	135	672	1,200	—	3.5	—	2,872	2,110	4,610	—	15.7	1.7	.0
705	Qal	152	Apr. 23, 1947	—	—	736	228	1,260	—	192	2,310	2,100	—	—	—	6,728	2,770	9,120	—	49.7	10.4	.0
718	Trdsr, Qal?	50	Oct. 18, 1967	18	—	816	263	1,500	8.6	196	2,520	2,580	—	—	—	7,801	3,120	10,900	7.4	51.0	11.6	.0
30-301	Trdsr	98	Aug. 22, 1940	—	—	75	26	20	—	207	92	46	—	10.0	—	370	294	673	—	12.9	.5	.0
301	Trdsr	98	Sept. 28, 1967	42	—	76	22	32	2.9	210	87	46	2.0	15.0	—	428	280	652	8.0	19.7	.8	.0
301	Trdsr	98	Sept. 15, 1974	42	—	83	18	32	—	206	86	57	2.0	19.0	—	440	283	665	7.5	19.8	.8	.0
301	Trdsr	98	July 26, 1979	44	—	78	27	40	—	209	98	70	1.7	19.2	—	480	308	687	7.7	22.2	.9	.0
403	Trdsr	180	Oct. 3, 1967	34	—	64	26	69	2.6	204	141	58	1.6	15.0	—	511	266	785	7.8	35.7	1.8	.0
403	Trdsr	180	July 26, 1979	13	—	105	43	38	—	160	151	154	1.1	3.1	—	586	439	886	7.5	15.8	.7	.0
501	Trdsr	141	July 23, 1974	35	—	124	38	35	—	201	139	143	1.5	41.0	—	655	466	1,060	7.6	14.0	.7	.0
31-101	Trdsr	147	Aug. 22, 1940	—	—	235	47	42	—	150	578	99	—	7.7	—	1,082	—	1,530	—	10.5	.6	.0
304	Qal	300	Sept. 12, 1967	41	—	335	148	690	17.0	194	695	1,500	—	2.5	—	3,523	1,440	5,570	7.4	50.6	7.8	.0
305	Qal?	96	Aug. 22, 1940	—	—	328	126	730	—	220	906	1,280	—	4.0	—	3,482	—	5,420	—	54.3	8.6	.0
306	Qal	153	Oct. 2, 1967	—	—	190	75	446	9.2	214	500	780	—	4.8	—	2,110	782	3,410	7.8	55.0	6.9	.0
401	Trdsr, Qal	130	Aug. 15, 1940	—	—	286	54	213	—	150	407	600	—	7.0	—	1,640	—	2,730	—	33.1	3.0	.0
401	Trdsr, Qal	130	July 23, 1974	22	—	390	63	304	—	143	520	860	2.1	19.0	—	2,250	1,230	3,340	7.2	34.9	3.7	.0
602	Qal	200	Sept. 11, 1967	47	—	215	90	500	12.0	212	590	880	—	2.8	—	2,441	406	3,830	7.6	54.1	7.2	.0
702	Trdsr	160	July 24, 1974	29	—	54	18	43	—	253	63	14	1.7	17.0	—	364	211	559	8.0	30.9	1.2	.0
702	Trdsr	160	July 26, 1979	32	—	50	23	44	—	259	63	15	1.3	14.9	—	370	218	536	7.6	30.4	1.2	.0
705	Trdsr, Por	5,052	Sept. 25, 1940	—	—	365	126	431	—	49	1,780	335	—	.3	—	3,061	—	3,840	—	39.6	4.9	.0
705	Trdsr, Por	5,052	Oct. 10, 1940	—	—	672	210	1,430	—	82	2,860	1,850	—	.5	—	7,062	—	9,420	—	55.0	12.3	.0
706	Trdsr	200	Feb. 16, 1940	—	—	74	30	56	—	240	108	74	—	20.0	—	480	308	867	—	28.3	1.3	.0
801	Qal	300	Nov. 13, 1967	83	—	600	158	202	25.0	125	2,110	207	—	22.0	—	3,468	2,150	3,580	7.2	16.8	1.8	.0
902	Qal	118	Aug. 15, 1940	—	—	400	155	677	—	152	1,200	1,180	—	81.0	—	3,767	—	5,690	—	47.4	7.2	.0
32-204	Qal	425	Sept. 26, 1967	38	—	47	23	70	5.7	188	85	88	2.6	4.9	—	456	212	740	7.5	41.0	2.0	.0
405	Qal	96	Feb. 23, 1940	—	—	332	128	571	—	188	836	1,120	—	—	—	3,079	1,360	4,800	—	47.8	6.7	.0
405	Qal	96	Dec. 8, 1971	50	—	330	138	560	—	176	890	1,040	2.2	9.0	—	3,105	1,390	4,250	7.2	46.7	6.5	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-46-32-405	Qal	96	Dec. 7, 1972	48	—	328	133	550	—	178	890	1,040	2.0	10.0	—	3,088	1,370	4,310	7.4	46.7	6.4	0.0
405	Qal	96	Sept. 14, 1974	48	—	335	119	570	16.0	178	850	1,100	2.2	14.0	—	3,141	1,330	4,270	7.6	48.0	6.8	.0
501	Qal	182	Dec. 14, 1942	49	—	56	18	70	—	204	111	55	2.7	3.4	—	465	214	—	7.5	41.6	2.0	.0
501	Qal	182	Mar. 1, 1943	44	—	49	17	51	—	196	71	39	2.5	10.0	—	379	192	—	7.7	36.6	1.6	.0
501	Qal	182	Mar. 9, 1948	50	—	52	21	107	—	218	128	89	3.0	5.3	—	562	216	897	7.5	51.8	3.1	.0
501	Qal	182	Sept. 7, 1949	54	—	54	19	113	—	231	124	92	2.8	4.8	—	577	213	913	8.0	53.6	3.3	.0
501	Qal	182	Oct. 10, 1950	48	—	54	17	115	—	235	116	92	3.2	3.2	—	563	204	893	8.1	55.0	3.4	.0
501	Qal	182	Oct. 10, 1951	51	—	58	19	110	—	232	124	94	2.4	4.0	—	576	222	949	7.5	51.8	3.2	.0
501	Qal	182	Oct. 24, 1952	52	—	54	20	106	—	232	119	87	2.0	4.7	—	558	216	877	7.7	51.5	3.1	.0
501	Qal	182	June 11, 1953	50	—	59	20	108	—	234	123	93	3.6	5.1	—	576	229	944	7.4	50.6	3.1	.0
501	Qal	182	Jan. 17, 1958	45	—	52	16	109	—	238	109	81	—	—	—	529	196	840	7.7	54.8	3.3	.0
501	Qal	182	Sept. 9, 1958	50	—	64	19	123	—	240	136	110	2.8	4.5	—	627	238	1,020	7.5	52.9	3.4	.0
501	Qal	182	Aug. 21, 1959	49	—	61	19	122	—	237	134	106	3.0	6.1	—	616	230	952	7.1	53.5	3.4	.0
501	Qal	182	Aug. 28, 1961	46	—	60	20	121	—	236	131	109	2.9	4.7	—	610	232	968	6.9	53.2	3.4	.0
501	Qal	182	Nov. 27, 1961	46	—	57	18	119	—	231	122	103	3.1	4.8	—	586	216	933	6.9	54.5	3.5	.0
501	Qal	182	Sept. 17, 1962	47	—	52	17	118	—	236	111	96	3.2	4.0	—	564	200	922	7.1	56.2	3.6	.0
501	Qal	182	Nov. 16, 1967	46	—	59	19	118	4.2	240	134	102	3.0	3.2	—	606	225	910	7.5	52.7	3.4	.0
601	Qal	235	Feb. 25, 1943	—	—	68	20	59	—	206	135	47	4.3	—	—	434	252	—	—	33.7	1.6	.0
601	Qal	235	Sept. 5, 1967	40	—	71	18	64	4.3	210	149	47	2.0	2.5	—	501	251	763	7.7	35.2	1.7	.0
603	Trdsr?, Qal	306	June 1, 1966	—	—	69	18	62	—	179	145	57	1.7	3.0	—	443	249	852	7.7	35.4	1.7	.0
603	Trdsr?, Qal	306	Sept. 1, 1967	35	—	70	18	62	3.7	188	136	60	2.0	3.2	—	482	248	753	7.7	34.7	1.7	.0
609	Pgsr	2,911	June 11, 1951	—	—	530	210	—	—	367	1,630	798	—	—	—	3,348	—	—	—	—	—	.0
611	Pgc	4,500	Oct. 21, 1965	—	—	1,350	361	6,240	—	593	2,780	10,700	—	—	—	21,722	4,860	—	6.7	73.7	38.9	.0
702	Qal	200	Sept. 28, 1967	46	—	368	157	573	15.0	156	730	1,370	—	3.0	—	3,338	1,560	5,170	7.6	44.0	6.3	.0
801	Qal	127	May 29, 1940	—	—	55	26	265	—	251	170	308	—	4.0	—	951	244	1,170	—	70.2	7.3	.0
801	Qal	127	June 11, 1962	—	—	67	38	194	—	237	310	180	2.5	—	—	908	325	—	—	56.6	4.6	.0
901	Pgc	4,421	June 8, 1967	14	—	1,090	306	3,220	47.0	438	2,630	5,550	—	—	—	13,072	3,980	18,000	6.8	63.4	22.2	.0
903	Qal	186	Sept. 6, 1967	48	—	528	211	532	12.0	254	1,940	840	—	4.2	—	4,240	2,190	5,330	7.2	34.5	4.9	.0
37-205	Qal	71	Oct. 29, 1946	—	—	800	266	1,430	—	202	2,490	2,440	—	—	—	7,525	3,090	10,400	—	50.2	11.1	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-46-37-205	Qal	71	Oct. 23, 1967	19	—	622	182	1,620	24.0	174	2,160	2,500	—	—	—	7,212	2,300	9,880	7.3	60.2	14.6	0.0
206	Qal	110	Nov. 1, 1946	—	—	700	182	952	—	162	2,170	1,540	—	2.5	—	5,626	2,500	7,660	—	45.4	8.2	.0
206	Qal	110	June 7, 1967	20	—	815	205	2,190	—	168	2,680	3,350	—	—	—	9,342	2,740	13,200	7.0	62.3	17.7	.0
305	Qal	80	Sept. 21, 1933	—	—	695	221	1,042	—	232	2,250	1,680	—	2.9	—	6,004	2,640	—	—	46.2	8.8	.0
305	Qal	80	Oct. 26, 1967	31	—	824	245	1,920	24.0	210	2,540	3,180	—	—	—	8,867	3,060	12,300	7.3	57.4	15.0	.0
309	Trdsr, Qal?	83	Oct. 24, 1967	21	—	824	220	1,590	18.0	182	2,380	2,700	—	—	—	7,842	2,960	10,900	7.2	53.7	12.7	.0
502	Qal	190	June 22, 1967	30	—	640	182	1,030	22.0	186	1,830	1,780	—	7.5	—	5,612	2,350	7,820	7.4	48.6	9.2	.0
504	Qal	97	Nov. 9, 1967	36	—	475	174	924	18.0	224	1,490	1,600	—	1.0	—	4,828	1,900	6,590	7.2	51.1	9.2	.0
611	Qal	100	Mar. 31, 1968	25	—	795	280	1,970	23.0	208	2,820	3,120	—	—	—	9,135	3,140	12,600	7.1	57.5	15.3	.0
38-106	Qal	180	Aug. 28, 1950	—	—	840	302	2,130	—	113	2,500	3,730	—	6.0	—	9,563	3,340	13,800	7.6	58.1	16.0	.0
601	Por	4,670	Dec. 19, 1940	—	—	939	380	3,420	—	47	3,190	5,670	—	—	—	13,622	3,900	19,530	—	65.6	23.8	.0
39-104	Trdsr	164	Dec. 12, 1967	43	—	135	29	62	4.2	232	104	195	1.0	15.0	—	702	456	1,180	7.4	22.6	1.2	.0
205	Trdsr?, Qal	142	Nov. 7, 1967	—	—	335	62	345	6.4	144	704	720	—	11.0	—	2,254	1,090	3,270	7.2	40.6	4.5	.0
303	Qal	86	Mar. 1, 1943	—	—	410	57	126	—	181	863	328	—	27.0	—	1,899	1,260	—	—	17.9	1.5	.0
605	Trdsr	86	Sept. 14, 1974	33	—	58	41	336	—	215	323	368	5.0	2.7	—	1,272	313	2,000	7.7	70.0	8.2	.0
40-201	Qal	106	Sept. 28, 1939	—	—	330	154	584	—	150	773	1,280	—	—	—	3,194	1,460	5,180	—	46.6	6.6	.0
202	Qal	66	June 18, 1962	—	—	98	10	4	—	322	16	9	.4	—	—	295	285	—	—	3.0	.1	.0
301	Qal	180	Sept. 8, 1961	—	—	70	24	122	—	259	144	122	1.2	—	—	610	275	—	—	49.2	3.2	.0
301	Qal	180	Sept. 14, 1974	42	—	72	25	84	6.0	318	69	95	2.4	17.0	—	568	284	876	8.2	38.6	2.1	.0
301	Qal	180	July 26, 1979	44	—	69	31	81	—	320	67	89	1.7	15.2	—	555	299	811	7.8	37.0	2.0	.0
305	Qal	250	Aug. 27, 1963	—	—	60	35	277	—	229	273	309	3.3	2.0	—	1,071	292	2,060	7.7	67.2	7.0	.0
305	Qal	250	Aug. 12, 1964	—	—	66	29	278	—	227	257	310	3.9	5.0	—	1,060	285	2,130	7.7	68.0	7.1	.0
305	Qal	250	Sept. 17, 1965	—	—	67	30	273	—	229	266	304	3.5	4.0	—	1,060	293	2,110	7.5	67.1	6.9	.0
305	Qal	250	Aug. 17, 1967	35	—	70	31	287	7.0	236	275	325	—	5.2	—	1,151	302	1,880	7.6	66.7	7.1	.0
307	Qal	316	May 26, 1963	—	—	50	27	192	—	226	238	148	3.4	2.5	—	772	234	1,430	7.5	63.9	5.4	.0
307	Qal	316	June 25, 1964	—	—	61	30	263	—	232	273	258	3.7	3.5	—	1,006	277	—	—	67.5	6.8	.0
307	Qal	316	Sept. 17, 1965	—	—	63	31	242	—	232	262	254	3.1	5.0	—	974	283	—	—	64.9	6.2	.0
307	Qal	316	Aug. 17, 1967	38	—	64	31	256	7.0	238	277	262	3.9	5.4	—	1,061	287	1,710	7.7	65.3	6.5	.0
308	Qal	256	do	41	.0	52	23	228	5.8	252	274	161	3.9	4.8	.31	918	224	—	7.8	68.0	6.6	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
YX-46-40-501	Trdsr	84	Nov. 28, 1939	—	—	78	31	273	—	265	333	250	—	—	—	1,095	322	1,890	—	64.8	6.6	0.0
503	Qal	210	Aug. 11, 1967	43	—	170	83	485	14.0	252	528	780	—	3.2	—	2,230	766	3,560	7.4	57.4	7.6	.0
504	Qal	230+	do	39	—	252	117	812	20.0	194	738	1,430	—	4.0	—	3,507	1,110	5,620	7.4	60.9	10.6	.0
602	Qal	260	Sept. 27, 1967	30	—	189	94	1,180	19.0	312	910	1,570	—	3.5	—	4,148	858	6,390	8.0	74.4	17.5	.0
703	Por	1,125	June 1, 1967	19	—	580	163	666	—	105	2,650	510	—	.9	—	4,640	2,120	5,190	7.1	40.6	6.2	.0
801	Por	1,680	Dec. 18, 1932	26	—	596	271	311	—	93	2,620	338	—	.6	—	4,208	2,600	—	—	20.6	2.6	.0
801	Por	1,680	Aug. 25, 1939	—	—	603	277	342	—	101	2,700	350	—	—	—	4,321	2,640	4,980	—	22.0	2.8	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
ZP-26-64-801	Qal	80	Oct. 22, 1974	46	—	175	47	132	—	231	500	121	2.1	27.0	—	1,163	630	1,550	7.7	31.3	2.2	0.0
801	Qal	80	July 27, 1979	63	—	340	50	216	5.0	240	952	253	2.4	15.9	—	2,015	1,056	2,050	7.7	30.7	2.8	.0
01-201	Qal	135	Dec. 11, 1972	53	—	281	40	166	—	220	750	178	2.3	4.0	—	1,582	870	2,010	7.4	29.4	2.4	.0
201	Qal	135	Aug. 14, 1974	46	—	295	25	158	—	215	700	178	3.2	2.9	—	1,513	840	1,940	7.7	29.1	2.3	.0
401	Qal	120	Dec. 7, 1971	18	—	110	20	60	—	143	280	51	2.0	2.0	—	613	357	868	7.5	26.8	1.3	.0
17-401	Trdsr, Qal	300	Oct. 8, 1956	40	—	198	24	137	—	210	390	220	.8	1.2	—	1,114	592	1,640	7.7	33.4	2.4	.0
401	Trdsr, Qal	300	Aug. 15, 1974	34	—	222	15	126	—	198	406	232	1.2	3.5	—	1,137	620	1,600	7.5	30.8	2.2	.0
401	Trdsr, Qal	300	July 26, 1979	41	—	226	27	139	—	204	433	261	.6	11.3	—	1,239	675	1,540	7.7	30.9	2.3	.0
18-702	Qal	10	Oct. 9, 1956	19	—	38	9	31	—	20	87	64	.4	.8	—	259	132	429	6.7	33.8	1.1	.0
46-06-301	Qal	140	July 16, 1975	39	—	80	38	86	—	237	203	72	4.2	47.0	—	685	357	971	7.9	34.4	1.9	.0
301	Qal	140	July 31, 1979	41	—	84	39	90	7.0	238	221	76	4.0	53.4	—	732	370	964	7.6	34.1	2.0	.0
801	Trdsr?	211	July 16, 1975	39	—	81	42	108	—	239	273	97	2.2	3.1	—	762	377	1,070	7.6	38.5	2.4	.0
901	Qal	125	do	15	—	52	28	255	—	454	205	149	4.0	6.0	—	937	245	1,400	7.7	69.4	7.0	2.5
901	Qal	125	July 31, 1979	43	—	66	49	309	—	288	486	198	4.8	6.9	—	1,304	368	1,640	7.9	64.7	7.0	.0
07-402	Qal	130	July 16, 1975	37	—	111	52	219	—	276	560	126	2.5	< .4	—	1,243	492	1,710	7.8	49.2	4.3	.0
402	Qal	130	July 31, 1979	40	—	109	53	222	—	270	562	124	2.6	5.4	—	1,250	493	1,520	7.8	49.6	4.3	.0
902	Qal	200	Dec. 17, 1968	32	—	237	29	139	—	167	159	493	.3	4.4	—	1,175	710	1,960	7.3	29.8	2.2	.0
08-403	Trdsr, Qal	219	Dec. 20, 1968	34	—	127	20	89	—	145	88	262	1.7	5.0	—	697	400	1,176	7.4	32.7	1.9	.0
403	Trdsr, Qal	219	Aug. 6, 1974	37	—	287	39	267	—	127	94	890	1.8	7.0	—	1,685	880	2,830	7.2	39.8	3.9	.0
403	Trdsr, Qal	219	July 27, 1979	40	—	205	48	225	—	142	99	668	1.6	6.4	—	1,362	710	1,980	7.4	40.8	3.6	.0
502	Trdsr, Qal	250	Feb. 19, 1969	36	—	1,020	125	940	—	102	12	3,580	.8	11.0	—	5,774	3,060	8,820	7.3	40.1	7.3	.0
502	Trdsr, Qal	250	Aug. 6, 1974	23	—	530	62	1,200	—	81	50	2,900	1.9	< .4	—	4,807	1,580	7,160	7.5	62.3	13.1	.0
503	Qal	188	Jan. 10, 1969	38	—	32	5	12	—	118	15	4	2.5	< .4	—	166	100	240	7.6	20.6	.5	.0
504	Trdsr	415	Jan. 15, 1969	32	—	48	7	19	—	110	26	47	1.8	2.0	—	236	147	390	7.7	21.8	.6	.0
707	Qal	160	Jan. 17, 1969	28	—	34	3	12	—	100	14	18	.5	1.0	—	159	97	250	7.5	21.2	.5	.0
707	Qal	160	Mar. 10, 1970	28	—	42	2	8	—	88	11	30	.9	1.5	—	166	113	269	7.6	13.3	.3	.0
707	Qal	160	Oct. 15, 1970	26	—	43	4	8	—	85	10	42	.9	1.5	—	177	125	296	7.8	12.3	.3	.0
707	Qal	160	Aug. 6, 1974	27	—	72	5	10	—	76	9	102	1.0	2.1	—	265	199	486	7.4	9.8	.3	.0
807	Trdsr	412	Jan. 15, 1969	23	—	73	11	30	—	110	21	124	1.9	< .4	—	338	230	613	7.8	22.3	.8	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
ZP-46-08-812	Qal	140	Jan. 16, 1969	25	—	41	5	19	—	145	27	9	1.7	2.6	—	201	123	315	7.7	25.2	0.7	0.0
812	Qal	140	Mar. 10, 1970	12	—	37	6	19	—	143	28	5	1.8	< .4	—	179	118	304	7.7	26.1	.7	.0
812	Qal	140	Oct. 15, 1970	24	—	40	6	19	—	145	27	9	1.6	3.5	—	201	122	312	7.8	24.9	.7	.0
812	Qal	140	Aug. 14, 1974	25	—	38	6	20	—	143	25	7	2.0	1.0	—	194	120	314	7.6	26.7	.7	.0
812	Qal	140	July 27, 1979	27	—	30	6	19	—	141	30	7	1.7	4.0	—	194	118	310	8.2	29.3	.8	.3
901	Qal	180	Feb. 27, 1969	25	—	51	8	23	—	117	90	10	4.0	4.4	—	272	160	410	7.3	23.8	.7	.0
15-201	Qal	90	Dec. 13, 1968	62	—	640	102	375	—	196	1,090	1,060	1.0	2.6	—	3,428	2,010	4,470	7.4	28.8	3.6	.0
201	Qal	90	Aug. 15, 1974	51	—	680	83	371	—	167	1,120	1,070	2.0	4.7	—	3,463	2,030	4,290	7.3	28.4	3.5	.0
202	Qal	230	Feb. 27, 1969	71	—	128	20	47	—	223	191	54	2.4	44.0	—	667	402	922	7.8	20.3	1.0	.0
301	Qal	155	Dec. 11, 1968	41	—	530	54	86	—	77	600	730	.9	7.2	—	2,086	1,550	3,000	6.9	10.8	.9	.0
309	Qal	106	Jan. 8, 1969	29	—	302	17	192	—	98	60	790	.8	1.0	—	1,439	820	2,490	7.5	33.6	2.9	.0
309	Qal	106	Aug. 8, 1974	39	—	540	84	570	—	106	111	1,930	.8	1.5	—	3,328	1,690	5,220	7.3	42.3	6.0	.0
315	Qal, Trdsr	250	Feb. 18, 1969	32	—	140	21	65	—	104	195	196	.8	1.0	—	701	437	1,142	7.4	24.5	1.3	.0
315	Qal, Trdsr	250	Aug. 12, 1974	30	—	139	8	45	—	102	174	155	.6	2.5	—	604	383	943	7.4	20.5	1.0	.0
315	Qal, Trdsr	250	July 31, 1979	34	—	270	49	109	—	109	456	400	.5	.3	—	1,372	877	1,730	7.4	21.3	1.6	.0
329	Trdsr	306	Feb. 28, 1969	28	—	690	128	360	—	72	1,350	1,180	1.0	< .4	—	3,772	2,260	4,820	7.0	25.8	3.3	.0
329	Trdsr	306	Aug. 9, 1974	32	—	138	10	20	—	82	102	174	.5	11.0	—	527	388	877	7.4	10.1	.4	.0
329	Trdsr	306	July 31, 1979	37	—	153	17	27	3.0	102	135	202	.3	18.5	—	642	450	955	7.3	11.4	.5	.0
501	Qal	130	Dec. 12, 1968	28	—	60	18	227	—	264	343	98	1.6	< .4	—	905	223	1,400	7.2	68.8	6.6	.0
502	Qal	224	Apr. 23, 1969	17	—	61	22	96	—	223	188	52	1.5	2.5	—	549	242	857	7.7	46.2	2.6	.0
502	Qal	224	Aug. 15, 1974	13	—	70	19	97	—	212	203	53	3.5	5.1	—	567	255	871	7.8	45.5	2.6	.0
505	Qal	190	Mar. 18, 1957	50	—	97	61	436	—	270	810	262	1.8	2.5	—	1,853	493	2,660	7.5	65.8	8.5	.0
505	Qal	190	Dec. 12, 1968	48	—	116	50	320	—	260	600	235	1.2	.5	—	1,498	496	2,120	8.0	58.4	6.2	.0
505	Qal	190	July 15, 1975	39	—	122	64	483	—	278	920	317	1.9	4.1	—	2,087	570	2,750	7.7	64.9	8.8	.0
505	Qal	190	July 31, 1979	48	—	105	54	342	—	265	676	232	1.8	1.9	—	1,591	483	1,860	7.8	60.6	6.7	.0
601	Qal	200	Apr. 23, 1969	69	—	342	68	131	—	179	258	720	.7	17.0	—	1,693	1,130	2,600	7.6	20.1	1.6	.0
603	Qal, Trdsr?	248	Dec. 12, 1968	22	—	600	138	630	—	62	1,250	1,440	.5	< .4	—	4,111	2,080	5,360	7.2	39.9	6.0	.0
803	Qal	468	do	16	—	52	16	80	—	221	142	30	2.4	3.5	—	450	198	710	7.6	47.1	2.4	.0
901	Qal	185	Oct. 15, 1970	56	—	1,230	169	1,330	—	112	2,120	3,070	1.2	< .4	—	8,031	3,770	9,420	7.1	43.4	9.4	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
ZP-46-15-910	Qal	240	Apr. 28, 1969	25	—	44	12	43	—	181	63	25	2.5	1.0	—	304	160	495	7.6	37.0	1.4	0.0
910	Qal	240	Oct. 15, 1970	22	—	42	14	44	—	179	61	27	2.4	1.5	—	301	161	484	7.8	37.1	1.5	.0
16-104	Trdsr	559	May 2, 1969	25	—	40	6	13	—	121	30	14	1.0	1.0	—	189	125	304	7.4	18.5	.5	.0
104	Trdsr	559	Dec. 7, 1971	30	—	43	6	14	—	128	28	13	1.1	2.5	—	200	132	310	7.6	18.7	.5	.0
104	Trdsr	559	Aug. 12, 1974	27	—	85	3	25	—	124	64	67	1.5	7.0	—	340	223	554	7.3	19.5	.7	.0
104	Trdsr	559	July 31, 1979	24	—	60	10	22	—	151	79	25	1.3	5.3	—	300	193	455	7.8	20.0	.6	.0
105	Trdsr, Qal	400	May 2, 1969	25	—	84	12	19	—	107	66	97	1.2	< .4	—	357	261	615	7.2	13.8	.5	.0
105	Trdsr, Qal	400	Aug. 12, 1974	2	—	34	1	14	—	26	48	31	2.6	< .4	—	145	88	264	7.0	25.5	.6	.0
116	Qal, Trdsr	259	Feb. 21, 1969	32	—	60	8	17	—	127	30	52	1.0	7.2	—	269	182	444	7.7	16.8	.5	.0
116	Qal, Trdsr	259	Mar. 10, 1970	31	—	67	10	17	—	129	35	63	2.4	8.0	—	296	208	488	7.4	15.1	.5	.0
116	Qal, Trdsr	259	Oct. 15, 1970	29	—	62	7	17	—	124	27	60	.8	6.0	—	269	185	450	7.6	16.8	.5	.0
116	Qal, Trdsr	259	Aug. 8, 1974	20	—	59	6	20	—	128	29	53	1.1	< .4	—	251	172	436	7.7	20.2	.6	.0
116	Qal, Trdsr	259	Aug. 1, 1979	34	—	84	10	23	—	156	43	90	.8	10.4	—	371	250	594	7.4	16.6	.6	.0
121	Qal	150	Feb. 27, 1969	31	—	40	5	20	—	131	29	15	1.5	2.6	—	206	119	321	7.7	26.5	.7	.0
121	Qal	150	Mar. 10, 1970	15	—	40	5	18	—	128	30	13	1.4	2.0	—	187	120	315	7.7	24.5	.7	.0
121	Qal	150	Oct. 15, 1970	24	—	39	5	19	—	128	28	16	1.4	2.5	—	197	120	315	7.9	26.0	.7	.0
121	Qal	150	Aug. 12, 1974	25	—	42	3	18	—	123	25	16	1.8	< .4	—	191	118	315	7.3	25.0	.7	.0
121	Qal	150	July 31, 1979	29	—	43	5	17	—	132	31	16	1.6	1.7	—	209	127	325	7.6	22.4	.6	.0
122	Qal	225	Feb. 27, 1969	34	—	99	13	31	—	170	105	71	1.0	15.5	—	453	300	714	7.5	18.3	.7	.0
122	Qal	225	Aug. 12, 1974	27	—	264	16	195	—	168	92	640	1.0	26.0	—	1,343	730	2,260	7.5	36.9	3.1	.0
122	Qal	225	July 31, 1979	32	—	163	26	125	—	181	111	360	1.1	18.6	—	925	514	1,400	7.7	34.6	2.3	.0
202	Qal	215	Feb. 21, 1969	30	—	39	7	22	—	153	31	7	1.6	1.0	—	213	125	327	7.5	27.5	.8	.0
202	Qal	215	Mar. 10, 1970	25	—	39	7	20	—	153	32	5	1.9	3.5	—	208	127	330	8.0	25.6	.7	.0
202	Qal	215	Oct. 15, 1970	24	—	39	7	21	—	153	29	9	1.8	3.5	—	209	127	329	7.9	26.6	.8	.0
202	Qal	215	Aug. 14, 1974	23	—	43	6	22	—	155	34	7	2.0	1.9	—	215	133	348	7.4	26.6	.8	.0
202	Qal	215	July 27, 1979	29	—	54	9	22	—	160	36	40	1.7	4.2	—	274	175	436	7.5	21.8	.7	.0
301	Qal	168	Feb. 25, 1969	28	—	41	7	31	—	149	54	10	3.0	3.5	—	250	133	394	7.6	34.0	1.1	.0
301	Qal	168	Aug. 14, 1974	27	—	71	2	14	—	151	61	17	.6	3.7	—	270	187	419	7.5	14.1	.4	.0
301	Qal	168	July 31, 1979	24	—	40	7	34	2.0	148	57	11	3.0	6.7	—	257	131	390	7.9	36.0	1.3	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
ZP-46-16-404	Qal, Trdsr	300+	Apr. 22, 1969	36	—	91	9	33	—	145	84	84	0.7	< 0.4	—	409	263	655	7.6	21.4	0.8	0.0
404	Qal, Trdsr	300+	Aug. 15, 1974	30	—	95	4	37	—	146	80	81	1.2	6.0	—	405	252	649	7.8	24.1	1.0	.0
501	Trdsr, Qal	244	Apr. 30, 1969	13	—	71	11	33	—	206	109	9	1.2	1.5	—	349	223	556	7.6	24.4	.9	.0
501	Trdsr, Qal	244	Aug. 14, 1974	9	—	69	11	34	—	199	107	10	1.5	2.1	—	341	221	546	7.7	25.4	1.0	.0
501	Trdsr, Qal	244	July 31, 1979	12	—	59	16	34	—	205	105	10	1.5	4.0	—	342	212	524	7.5	25.8	1.0	.0
504	Trdsr	440	Apr. 25, 1969	12	—	49	16	28	—	201	72	6	1.2	4.0	—	287	189	463	7.4	24.5	.8	.0
504	Trdsr	440	Aug. 14, 1974	11	—	48	15	28	—	194	67	6	1.5	2.3	—	274	182	454	7.8	25.1	.9	.0
504	Trdsr	440	July 31, 1979	9	—	42	14	29	—	179	71	7	1.1	.1	—	261	163	420	8.2	28.0	.9	.0
509	Trdsr	500±	Apr. 30, 1969	15	—	45	11	20	—	172	46	4	1.2	4.0	—	230	158	380	7.4	21.6	.6	.0
509	Trdsr	500±	Aug. 14, 1974	13	—	44	9	21	—	170	47	6	1.5	2.5	—	227	148	387	7.9	23.7	.7	.0
509	Trdsr	500±	July 31, 1979	39	—	116	17	62	—	180	210	95	.6	8.2	—	636	359	862	7.6	27.3	1.4	.0
602	Qal	168	Feb. 25, 1969	32	—	59	8	25	—	160	71	22	.9	4.4	—	300	183	463	7.7	23.2	.8	.0
602	Qal	168	Aug. 14, 1974	30	—	66	4	21	—	149	62	23	1.2	8.0	—	288	179	454	8.0	20.1	.6	.0
704	Qal	165	Apr. 29, 1969	32	—	530	93	251	—	109	690	990	.8	< .4	—	2,640	1,700	3,800	7.5	24.2	2.6	.0
707	Qal	120	Aug. 15, 1974	44	—	434	122	690	—	167	184	1,940	1.3	.8	—	3,498	1,590	5,370	7.7	48.6	7.5	.0
709	Qal	100	Oct. 24, 1956	60	—	149	30	84	—	173	144	268	1.6	3.8	—	825	495	1,530	7.9	27.0	1.6	.0
802	Qal	90	Apr. 25, 1969	43	—	124	17	69	—	21	148	133	1.0	12.5	—	656	378	1,010	7.4	28.4	1.5	.0
22-601	Trdsr	128	July 15, 1975	44	—	121	36	90	—	231	242	104	1.5	79.0	—	831	452	1,165	7.7	30.3	1.8	.0
801	Trdsr?	151	Aug. 21, 1940	23	—	56	23	12	—	252	34	8	—	8.2	—	288	—	497	—	10.0	.3	.0
801	Trdsr?	151	Sept. 20, 1956	50	—	51	19	21	—	243	25	10	1.6	10.0	—	307	205	464	7.4	18.2	.6	.0
23-303	Qal	406	Dec. 14, 1966	—	—	48	16	29	—	138	43	65	1.3	1.5	—	271	185	556	7.7	25.4	.9	.0
303	Qal	406	May 17, 1967	—	—	49	14	29	—	135	41	59	1.6	< .4	—	260	180	540	7.7	26.0	.9	.0
303	Qal	406	Oct. 6, 1968	—	—	68	16	34	—	132	44	110	1.3	.5	—	338	238	715	7.8	23.9	.9	.0
303	Qal	406	Apr. 28, 1969	32	—	67	12	32	—	140	43	84	1.2	< .4	—	340	217	575	7.4	24.3	.9	.0
303	Qal	406	Aug. 15, 1974	30	—	77	13	33	—	124	44	114	1.8	2.9	—	376	244	645	7.8	22.6	.9	.0
303	Qal	406	July 27, 1979	36	—	79	22	37	—	126	57	147	1.3	.7	—	441	288	715	7.5	21.9	.9	.0
701	Trdsr	160	Aug. 22, 1940	—	—	64	23	42	—	248	84	30	—	16.0	—	380	—	689	—	26.4	1.1	.0
701	Trdsr	160	July 15, 1975	46	—	106	31	74	—	256	132	124	2.5	36.0	—	677	392	1,015	7.6	29.1	1.6	.0
801	Trdsr	200	Sept. 21, 1956	44	—	50	19	122	—	227	157	75	2.2	7.7	—	588	203	916	7.7	56.7	3.7	.0

See footnotes at end of table.

Table 6.—Chemical Analyses of Water From Selected Wells, Test Holes, and Springs in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Well	Water-bearing unit	Depth of well or sampled interval (ft)	Date of collection	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)
ZP-46-23-905	Qal	400	Mar. 14, 1957	35	—	75	40	367	10.0	220	258	492	2.6	3.0	—	1,390	352	2,310	7.6	68.6	8.5	0.0
24-201	Qal	175	Apr. 25, 1969	28	—	48	8	23	—	142	44	27	1.3	< .4	—	249	152	398	7.9	24.7	.8	.0
201	Qal	175	Aug. 15, 1974	25	—	47	7	24	—	137	39	31	.3	< .4	—	241	148	388	7.8	26.3	.8	.0
201	Qal	175	July 31, 1979	28	—	43	8	24	—	131	43	29	1.4	.1	—	240	138	370	7.9	27.1	.8	.0
202	Qal	110	Apr. 25, 1969	43	—	330	37	217	—	289	500	458	1.0	18.0	—	1,746	980	2,520	7.4	32.6	3.0	.0
202	Qal	110	Aug. 15, 1974	37	—	303	36	175	—	296	441	405	1.5	1.6	—	1,545	900	2,240	7.5	29.6	2.5	.0
301	Qal	101	Dec. 7, 1971	39	—	86	16	76	—	210	143	82	.8	1.5	—	547	280	824	7.6	37.1	1.9	.0

[1]Analysis by Environmental Consultants.
[2]Analysis by Martin Water Laboratories, Inc.
[3]Analysis by unknown laboratory.
[4]Sodium and potassium calculated as sodium (Na).

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas

Water-level measurements, in feet, below or above (+) land surface. Elevations, in feet, above mean sea level.
* Measurement affected by pumping (pumping level, well pumped recently, or well pumping nearby).
Q Measurement may not be valid static level.

Brewster County

Well 52-35-709

Date	Measurement	Change in water level from previous measurement: Decline	Rise
May 29, 1958	104.70		
June 1, 1958	217.20*	112.50	
June 4, 1958	219.50*	2.30	
June 5, 1958	219.70*	.20	
June 6, 1958	220.20*	.50	
June 7, 1958	221.00*	.80	
June 9, 1958	229.50*	8.50	
June 10, 1958	221.40*		8.10
June 11, 1958	221.50*	.10	
June 12, 1958	104.00		117.50
June 13, 1958	221.20*	117.20	
June 16, 1958	222.14*	.94	
June 18, 1958	222.27*	.13	
June 20, 1958	229.40*	7.13	
June 23, 1958	224.84*		4.56
June 24, 1958	224.34*		.50
June 27, 1958	131.20		93.14
June 30, 1958	222.72*	91.52	
July 15, 1958	231.58*	8.86	
July 16, 1958	235.30*	3.72	
July 23, 1958	247.52*	12.22	
July 24, 1958	247.62*	.10	
Aug. 19, 1958	251.80*	4.18	
Sept. 16, 1958	241.47*		10.33
Nov. 7, 1958	109.23		132.24
Dec. 8, 1958	99.11		10.12
Jan. 7, 1959	90.42		8.69
Feb. 6, 1959	85.87		4.55
Mar. 6, 1959	83.30		2.57
Apr. 6, 1959	202.35*	119.05	
May 6, 1959	207.23*	4.88	
June 5, 1959	212.63*	5.40	
July 6, 1959	204.10*		8.53
Aug. 3, 1959	222.57*	18.47	
Jan. 15, 1961	97.00		125.57
Jan. 15, 1962	97.00		
Jan. 15, 1963	95.00		2.00
Jan. 15, 1964	102.00	7.00	
Jan. 15, 1965	109.28	7.28	
Jan. 11, 1967	108.30		.98
Dec. 16, 1971	157.46	49.16	
Jan. 16, 1975	88.70		68.76
Feb. 16, 1977	88.12		0.58
Jan. 10, 1978	84.14		3.98
Jan. 9, 1979	70.50		13.64
Jan. 17, 1980	79.85	9.35	
Feb. 5, 1981	78.04		1.81

Well 52-35-711

Date	Measurement	Change in water level from previous measurement: Decline	Rise
Apr. 10, 1955	88.68		
Apr. 20, 1955	88.66		.02
Apr. 30, 1955	88.84	.18	
May 10, 1955	88.89	.05	
May 20, 1955	88.85		.04
May 31, 1955	88.95	.10	
June 10, 1955	88.92		.03
June 20, 1955	88.90		.02
June 30, 1955	88.87		.03
July 10, 1955	88.89	.02	
July 20, 1955	88.95	.06	
July 31, 1955	89.02	.07	
Aug. 10, 1955	89.31	.29	
Aug. 20, 1955	89.18		.13
Aug. 31, 1955	89.36	.18	
Sept. 10, 1955	89.37	.01	
Sept. 20, 1955	89.37		
Sept. 30, 1955	89.46	.09	
Oct. 10, 1955	89.58	.12	
Oct. 20, 1955	89.70	.12	
Oct. 29, 1955	89.69		.01
Nov. 10, 1955	89.54		.15
Nov. 20, 1955	89.81	.27	
Nov. 30, 1955	89.84	.03	
Dec. 10, 1955	89.92	.08	
Dec. 20, 1955	90.18	.26	
Dec. 31, 1955	90.13		.05
Jan. 10, 1956	90.33	.20	
Jan. 20, 1956	89.93		.40
Jan. 31, 1956	89.99	.06	
Feb. 10, 1956	90.08	.09	
Feb. 20, 1956	90.14	.06	
Feb. 29, 1956	90.21	.07	
Mar. 10, 1956	90.21		

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Brewster County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-35-711—Continued			
July 2, 1956	87.05		3.16
Aug. 1, 1956	91.50	4.45	
Sept. 1, 1956	92.05	.55	
Dec. 8, 1958	94.40	2.35	
Jan. 7, 1959	94.93	.53	
Feb. 6, 1959	94.41		.52
Mar. 6, 1959	94.20		.21
Apr. 6, 1959	95.49	1.29	
May 6, 1959	95.46		.03
June 5, 1959	103.36	7.90	
July 6, 1959	118.45	15.09	
Aug. 3, 1959	118.45		
Feb. 10, 1970	152.20	33.75	
Feb. 19, 1970	143.00		9.20
Feb. 26, 1970	142.64		.36
Apr. 1, 1970	140.61		2.03
Apr. 24, 1970	146.29	5.68	
May 7, 1970	151.75	5.46	
June 9, 1970	161.28	9.53	
July 22, 1970	161.96	.68	
Aug. 20, 1970	155.52		6.44
Sept. 23, 1970	155.50		.02
Nov. 13, 1970	148.27		7.23
Dec. 21, 1970	145.03		3.24
Jan. 20, 1971	143.94		1.09
Feb. 19, 1971	142.78		1.16
Mar. 16, 1971	143.83	1.05	
Apr. 15, 1971	150.96	7.13	
May 18, 1971	158.89	7.93	
June 18, 1971	162.75	3.86	
July 19, 1971	165.62	2.87	
Sept. 17, 1971	153.49		12.13
Oct. 12, 1971	169.86	16.37	
Dec. 16, 1971	176.74	6.88	
Feb. 8, 1972	169.00		7.74
Mar. 6, 1972	171.90	2.90	
June 8, 1972	169.15		2.75
Aug. 3, 1972	171.60	2.45	
Oct. 4, 1972	171.56		.04
Dec. 5, 1972	169.89		1.67
Mar. 9, 1973	158.00		11.89
Apr. 18, 1973	162.59	4.59	
July 19, 1973	163.22	.63	
Oct. 18, 1973	163.13		.09
Dec. 19, 1973	157.74		5.39
Jan. 16, 1975	167.17	9.43	
Apr. 15, 1975	174.55	7.38	
Apr. 15, 1975	174.55		
July 21, 1975	170.68		3.87
July 21, 1975	170.68		
Oct. 23, 1975	168.95		1.73
Oct. 23, 1975	168.95		
Nov. 14, 1975	168.95		
Nov. 14, 1975	168.95		
Dec. 9, 1975	161.84		7.11
Dec. 9, 1975	161.84		
Jan. 27, 1976	161.44		.40
Mar. 25, 1976	162.17	.73	
Mar. 25, 1976	162.17		
May 10, 1976	167.65	5.48	
May 10, 1976	167.65		
July 13, 1976	173.60	5.95	
Sept. 16, 1976	164.24		9.36
Dec. 21, 1976	159.10		5.14
Feb. 15, 1977	166.88	7.78	
Apr. 18, 1977	171.15	4.27	
June 8, 1977	171.90	.75	
Aug. 8, 1977	175.78	3.88	
Oct. 17, 1977	175.00		.78
Dec. 8, 1977	170.84		4.16
Jan. 10, 1978	169.24		1.60
Feb. 7, 1978	169.94	.70	
Mar. 28, 1978	171.49	1.55	
June 22, 1978	183.65	12.16	
Sept. 20, 1978	174.00		9.65
Dec. 20, 1978	170.80		3.20
Jan. 9, 1979	175.08	4.28	
Jan. 17, 1980	177.52Q	2.44	
Well 52-35-712			
Jan. 26, 1955	71.84		
Feb. 15, 1955	86.59*	14.75	
Feb. 23, 1955	70.80		15.79
Feb. 24, 1955	71.07	.27	
Feb. 25, 1955	71.19	.12	
Mar. 14, 1955	71.70	.51	
Mar. 21, 1955	71.98	.28	
Mar. 28, 1955	71.54		.44
Apr. 4, 1955	71.25		.29
Apr. 11, 1955	72.32	1.07	
June 20, 1955	72.10		.22

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Brewster County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-35-712—Continued			
Aug. 1, 1955	74.04	1.94	
Sept. 1, 1955	75.25	1.21	
Oct. 3, 1955	75.64	.39	
Nov. 1, 1955	76.13	.49	
Dec. 1, 1955	76.80	.67	
Jan. 2, 1956	77.50	.70	
June 5, 1956	80.75	3.25	
July 2, 1956	81.14	.39	
Aug. 1, 1956	81.98	.84	
Sept. 1, 1956	82.94	.96	
Oct. 1, 1956	83.06	.12	
Nov. 30, 1956	84.14	1.08	
Dec. 31, 1956	84.60	.46	
Feb. 1, 1957	85.09	.49	
Feb. 28, 1957	85.28	.19	
Mar. 29, 1957	85.64	.36	
Apr. 17, 1957	85.82	.18	
June 2, 1957	86.38	.56	
Aug. 7, 1957	86.89	.51	
Oct. 1, 1957	87.54	.65	
Nov. 1, 1957	88.26	.72	
Jan. 11, 1958	86.90		1.36
Feb. 14, 1958	85.95		.95
Mar. 17, 1958	85.97	.02	
Apr. 21, 1958	86.28	.31	
May 19, 1958	86.38	.10	
June 15, 1958	87.55	1.17	
July 17, 1958	94.04	6.49	
Aug. 19, 1958	97.24	3.20	
Sept. 16, 1958	95.42		1.82
Nov. 7, 1958	94.18		1.24
Dec. 8, 1958	89.01		5.17
Jan. 7, 1959	84.50		4.51
Feb. 6, 1959	83.27		1.23
Mar. 6, 1959	81.15		2.12
Apr. 6, 1959	81.38	.23	
May 6, 1959	87.48	6.10	
June 5, 1959	93.35	5.87	
July 6, 1959	90.20		3.15
Aug. 3, 1959	90.65	.45	
Jan. 11, 1967	104.87	14.22	
Jan. 4, 1968	103.57		1.30
Feb. 11, 1969	104.77	1.20	
Jan. 22, 1970	123.42	18.65	
Jan. 13, 1971	124.57	1.15	
Dec. 16, 1971	133.69	9.12	
Dec. 19, 1973	117.74		15.95
Jan. 16, 1975	93.50		24.24
Jan. 28, 1976	96.88	3.38	
Feb. 16, 1977	105.59	8.71	
Jan. 10, 1978	99.18		6.41
Jan. 9, 1979	86.00		13.18
Jan. 17, 1980	87.22	1.22	
Well 52-35-713			
Feb. 9, 1955	71.32		
Feb. 15, 1955	73.26	1.94	
Feb. 18, 1955	72.87		.39
Mar. 28, 1955	75.58	2.71	
Apr. 4, 1955	73.25		2.33
June 20, 1955	73.93	.68	
June 29, 1955	71.42		2.51
July 6, 1955	73.83	2.41	
July 27, 1955	150.80*	76.97	
July 28, 1955	150.50*		.30
July 29, 1955	153.90*	3.40	
July 30, 1955	151.40*		2.50
Aug. 2, 1955	157.00*	5.60	
Aug. 15, 1955	157.80*	.80	
Aug. 23, 1955	90.80*		67.00
Nov. 12, 1957	127.35*	36.55	
Dec. 2, 1957	119.23*		8.12
Jan. 11, 1958	106.73*		12.50
Well 52-35-714			
Jan. 8, 1957	63.20		
Feb. 1, 1957	62.56		.64
Feb. 28, 1957	62.59	.03	
Mar. 29, 1957	63.21	.62	
Apr. 17, 1957	63.46	.25	
May 1, 1957	63.63	.17	
June 1, 1957	70.90	7.27	
Oct. 1, 1957	78.50	7.60	
Oct. 22, 1957	97.74*	19.24	
Oct. 31, 1957	103.80*	6.06	
Nov. 1, 1957	104.27*	.47	
Nov. 8, 1957	104.50*	.23	
Nov. 12, 1957	105.77*	1.27	
Nov. 18, 1957	106.66*	.89	
Dec. 2, 1957	84.38		22.28
Jan. 11, 1958	79.65		4.73

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Brewster County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-35-714—Continued			
Feb. 14, 1958	81.14	1.49	
Dec. 8, 1958	83.76	2.62	
Jan. 7, 1959	83.27		0.49
Feb. 6, 1959	82.75		.52
Mar. 7, 1959	83.61	.86	
Apr. 6, 1959	83.10		.51
June 5, 1959	99.58*	16.48	
July 6, 1959	113.66*	14.08	
Aug. 3, 1959	112.76*		.90
Feb. 5, 1963	120.73	7.97	
Jan. 27, 1964	127.67	6.94	
Jan. 25, 1965	121.39		6.28
Mar. 2, 1966	126.73	5.34	
Jan. 11, 1967	127.21	.48	
Jan. 4, 1968	124.63		2.58
Feb. 11, 1969	131.96	7.33	
Jan. 22, 1970	129.50		2.46
Jan. 13, 1971	129.85	.35	
Dec. 16, 1971	142.92	13.07	
Dec. 8, 1972	147.38	4.46	
Dec. 19, 1973	138.31		9.07
Jan. 16, 1975	139.07	.76	
Jan. 28, 1976	142.61	3.54	
Feb. 15, 1977	149.65	7.04	
Jan. 10, 1978	142.75		6.90
Jan. 9, 1979	139.33		3.42
Jan. 17, 1980	148.91	9.58	
Well 52-35-901			
Feb. 16, 1955	83.72		
Feb. 20, 1955	49.62		34.10
Feb. 23, 1955	45.70		3.92
Feb. 24, 1955	44.83		.87
Feb. 25, 1955	43.94		.89
Feb. 26, 1955	43.23		.71
Feb. 28, 1955	42.03		1.20
Mar. 2, 1955	40.96		1.07
Mar. 4, 1955	40.10		.86
Mar. 6, 1955	39.47		.63
Mar. 7, 1955	39.10		.37
Mar. 8, 1955	38.80		.30
May 27, 1955	53.60*	14.80	
June 20, 1955	84.89*	31.29	
Aug. 1, 1955	38.66		46.23
Sept. 1, 1955	29.33		9.33
Oct. 3, 1955	23.08		6.25
Well 52-35-901—Continued			
Nov. 1, 1955	22.68		0.40
Nov. 30, 1955	22.50		.18
Jan. 2, 1956	22.14		.36
Mar. 3, 1956	18.14		4.00
June 5, 1956	17.90		.24
July 2, 1956	19.29	1.39	
Aug. 1, 1956	17.29		2.00
Oct. 1, 1956	17.26		.03
Nov. 1, 1956	17.07		.19
Nov. 30, 1956	17.56	.49	
Dec. 31, 1956	17.32		.24
Feb. 1, 1957	17.62	.30	
Feb. 28, 1957	15.48		2.14
Mar. 29, 1957	15.74	.26	
May 1, 1957	16.54	.80	
June 1, 1957	17.18	.64	
Aug. 7, 1957	17.80	.62	
Oct. 1, 1957	22.81	5.01	
Nov. 1, 1957	18.48		4.33
Mar. 17, 1958	32.11	13.63	
Apr. 21, 1958	25.79		6.32
May 14, 1958	24.69		1.10
June 16, 1958	20.64		4.05
Aug. 19, 1958	15.36		5.28
Sept. 16, 1958	13.68		1.68
Nov. 7, 1958	12.99		.69
Dec. 8, 1958	13.55	.56	
Jan. 7, 1959	13.80	.25	
Feb. 6, 1959	13.99	.19	
Mar. 6, 1959	14.19	.20	
Apr. 6, 1959	64.62*	50.43	
May 6, 1959	14.42		50.20
June 5, 1959	48.13*	33.71	
July 6, 1959	15.87		32.26
Aug. 3, 1959	52.40*	36.53	
Jan. 15, 1961	18.00		34.40
Jan. 15, 1962	21.00	3.00	
Feb. 5, 1963	15.40		5.60
Jan. 27, 1964	14.69		.71
Mar. 2, 1966	22.32	7.63	
Jan. 4, 1968	14.10		8.22
Jan. 22, 1970	17.85	3.75	
Dec. 8, 1972	13.77		4.08
Jan. 16, 1975	11.79		1.98
Jan. 28, 1976	11.91	.12	
Feb. 16, 1977	12.91	1.00	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Brewster County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-35-901—Continued			
Jan. 10, 1978	13.66	0.75	
Jan. 9, 1979	12.25		1.41
Jan. 17, 1980	11.70		.55
Feb. 5, 1981	12.14	.44	
Well 52-43-109			
July 14, 1955	112.60		
Aug. 2, 1955	113.70	1.10	
Sept. 3, 1957	155.70	42.00	
Nov. 8, 1957	146.60		9.10
Dec. 2, 1957	142.44		4.16
Jan. 10, 1958	136.48		5.96
Feb. 14, 1958	131.96		4.52
Mar. 18, 1958	129.16		2.80
Apr. 7, 1958	127.84		1.32
Apr. 14, 1958	134.82		6.98
Apr. 21, 1958	136.29	1.47	
Apr. 28, 1958	138.78	2.49	
May 19, 1958	146.77	7.99	
June 16, 1958	156.75	9.98	
July 15, 1958	168.04	11.29	
Aug. 19, 1958	315.27*	147.23	
Sept. 16, 1958	162.20*		153.07
Nov. 7, 1958	146.07		16.13
Dec. 8, 1958	135.09		10.98
Jan. 7, 1959	127.23		7.86
Feb. 6, 1959	122.45		4.78
Mar. 6, 1959	118.03		4.42
Apr. 6, 1959	117.08		.95
May 6, 1959	117.44	.36	
June 5, 1959	120.30	2.86	
July 6, 1959	122.91	2.61	
Aug. 3, 1959	122.80		.11
Jan. 15, 1961	147.00	24.20	
Jan. 15, 1962	146.00		1.00
Feb. 5, 1963	137.04		8.96
Jan. 15, 1964	154.00*	16.96	
Jan. 15, 1965	144.00		10.00
Mar. 2, 1966	168.40	24.40	
Jan. 11, 1967	137.88		30.52
Jan. 4, 1968	149.48	11.60	
Jan. 22, 1970	178.09	28.61	
Feb. 25, 1971	179.36	1.27	
Dec. 16, 1971	182.40	3.04	
Dec. 8, 1972	145.80		36.60
Dec. 19, 1973	128.31		17.49
Jan. 28, 1976	108.92		19.39
Feb. 16, 1977	111.02	2.10	
Jan. 10, 1978	118.30	7.28	
Jan. 9, 1979	103.06		15.24
Jan. 17, 1980	107.31	4.25	
Well 52-43-202			
Aug. 16, 1948	141.40		
Aug. 30, 1955	142.35	.95	
Oct. 3, 1955	141.31		1.04
Nov. 1, 1955	141.05		.26
Dec. 1, 1955	141.15	.10	
Jan. 2, 1956	141.47	.32	
Mar. 4, 1956	141.94	.47	
June 5, 1956	142.26	.32	
July 2, 1956	142.39	.13	
Aug. 1, 1956	142.66	.27	
Sept. 1, 1956	142.97	.31	
Oct. 1, 1956	143.17	.20	
Nov. 1, 1956	143.13		.04
Nov. 30, 1956	143.20	.07	
Dec. 31, 1956	143.36	.16	
Feb. 1, 1957	143.47	.11	
Feb. 28, 1957	143.54	.07	
Mar. 29, 1957	143.42		.12
May 1, 1957	143.00		.42
June 3, 1957	142.67		.33
July 6, 1957	142.85	.18	
Aug. 6, 1957	143.28	.43	
Sept. 3, 1957	143.57	.29	
Oct. 1, 1957	143.73	.16	
Nov. 1, 1957	144.19	.46	
Dec. 2, 1957	144.18		.01
Jan. 9, 1958	144.33	.15	
Feb. 14, 1958	144.58	.25	
Mar. 18, 1958	143.70		.88
Apr. 21, 1958	144.15	.45	
May 19, 1958	143.77		.38
June 16, 1958	143.54		.23
July 15, 1958	143.37		.17
Aug. 19, 1958	142.78		.59
Sept. 16, 1958	141.27		1.51
Nov. 7, 1958	140.53		.74
Dec. 8, 1958	138.15		2.38
Jan. 7, 1959	136.01		2.14
Feb. 6, 1959	134.99		1.02

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Brewster County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-43-202—Continued			
Mar. 6, 1959	135.15	0.16	
Apr. 6, 1959	136.15	1.00	
May 6, 1959	137.31	1.16	
June 5, 1959	138.78	1.47	
July 6, 1959	139.70	.92	
Aug. 3, 1959	139.90	.20	
Feb. 5, 1963	140.25	.35	
Jan. 27, 1964	141.29	1.04	
Jan. 25, 1965	142.31	1.02	
Mar. 2, 1966	143.75	1.44	
Jan. 9, 1970	142.68		1.07
Feb. 16, 1977	142.44		.24
Well 52-43-601			
Feb. 17, 1955	21.80		
Feb. 21, 1955	21.80		
Feb. 28, 1955	21.84	.04	
Mar. 7, 1955	21.91	.07	
Mar. 14, 1955	21.99	.08	
Mar. 21, 1955	22.04	.05	
Mar. 28, 1955	22.20	.16	
Apr. 4, 1955	22.21	.01	
Apr. 11, 1955	22.25	.04	
June 20, 1955	23.21	.96	
Aug. 1, 1955	21.66		1.55
Sept. 1, 1955	21.73	.07	
Oct. 3, 1955	22.22	.49	
Nov. 1, 1955	22.50	.28	
Nov. 30, 1955	21.86		.64
Jan. 2, 1956	21.21		.65
Mar. 4, 1956	21.70	.49	
June 5, 1956	23.28	1.58	
July 2, 1956	23.95	.67	
Aug. 1, 1956	24.25	.30	
Sept. 1, 1956	24.69	.44	
Oct. 1, 1956	24.48		.21
Nov. 1, 1956	23.81		.67
Nov. 30, 1956	24.15	.34	
Dec. 31, 1956	24.03		.12
Feb. 1, 1957	24.11	.08	
Feb. 28, 1957	22.55		1.56
Mar. 29, 1957	22.30		.25
May 1, 1957	23.31	1.01	

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-43-601—Continued			
June 3, 1957	22.99		0.32
July 6, 1957	24.17	1.18	
Aug. 7, 1957	22.93		1.24
Sept. 3, 1957	23.54	.61	
Oct. 1, 1957	24.06	.52	
Nov. 1, 1957	24.44	.38	
Dec. 2, 1957	23.83		.61
Jan. 9, 1958	23.46		.37
Feb. 14, 1958	22.61		.85
Mar. 18, 1958	22.37		.24
Apr. 21, 1958	22.39	.02	
May 19, 1958	22.77	.38	
June 16, 1958	22.80	.03	
July 15, 1958	21.20		1.60
Aug. 19, 1958	20.23		.97
Sept. 16, 1958	19.97		.26
Nov. 7, 1958	18.89		1.08
Dec. 8, 1958	18.39		.50
Jan. 7, 1959	18.11		.28
Feb. 6, 1959	17.76		.35
Mar. 6, 1959	18.11	.35	
Apr. 6, 1959	19.72	1.61	
May 6, 1959	20.17	.45	
June 5, 1959	20.30	.13	
July 6, 1959	20.44	.14	
Aug. 3, 1959	20.55	.11	
Feb. 5, 1963	19.94		.61
Jan. 26, 1964	19.60		.34
Jan. 25, 1965	24.60	5.00	
Mar. 2, 1966	27.30	2.70	
Jan. 11, 1967	20.13		7.17
Jan. 5, 1968	21.53	1.40	
Feb. 12, 1969	20.38		1.15
Jan. 21, 1970	20.87	.49	
Jan. 13, 1971	18.06		2.81
Dec. 16, 1971	20.53	2.47	
Dec. 8, 1972	18.93		1.60
Dec. 19, 1973	20.81	1.88	
Jan. 16, 1975	15.71		5.10
Jan. 28, 1976	19.70	3.99	
Feb. 16, 1977	19.94	.24	
Jan. 10, 1978	21.48	1.54	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Crane County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-27-203			
Nov. 17, 1954	41.48*		
Dec. 4, 1955	42.21*	0.73	
Dec. 7, 1956	46.10*	3.89	
Dec. 6, 1959	34.98		11.12
Dec. 8, 1961	38.06	3.08	
Dec. 6, 1962	33.56		4.50
Dec. 3, 1963	43.81*	10.25	
Dec. 3, 1964	59.83	16.02	
Dec. 9, 1965	52.20		7.63
Dec. 5, 1966	71.54	19.34	
Dec. 1, 1967	64.40		7.14
Dec. 3, 1968	64.59	.19	
Dec. 5, 1969	42.30		22.29
Feb. 9, 1971	47.56	5.26	
Dec. 9, 1971	42.50		5.06
Dec. 5, 1974	34.64		7.86
Nov. 4, 1975	34.53		.11
Nov. 16, 1977	44.40	9.87	
Jan. 10, 1980	47.39	2.99	
Jan. 13, 1981	43.08		4.31
Well 45-27-901			
Nov. 4, 1954	58.65		
Dec. 4, 1955	58.84	.19	
Dec. 7, 1956	59.15	.31	
Dec. 6, 1957	59.32	.17	
Dec. 6, 1959	59.33	.01	
Dec. 2, 1960	59.36	.03	
Dec. 7, 1961	59.42	.06	
Dec. 6, 1962	54.93		4.49
Dec. 3, 1963	59.90	4.97	
Dec. 3, 1964	60.16	.26	
Dec. 9, 1965	60.43	.27	
Dec. 5, 1966	60.61	.18	
Dec. 1, 1967	60.95	.34	
Dec. 3, 1968	61.84	.89	
Dec. 5, 1969	60.82		1.02
Feb. 9, 1971	60.07		.75
Dec. 9, 1971	64.80	4.73	
Dec. 5, 1972	65.17	.37	
Dec. 5, 1974	61.28		3.89
Nov. 4, 1975	60.61		.67
Nov. 9, 1976	60.48		.13
Nov. 16, 1977	60.62	.14	
Nov. 7, 1978	65.10	4.48	
Jan. 10, 1980	65.08		0.02
Jan. 13, 1981	59.81		5.27
Well 45-28-701			
Sept. 27, 1954	43.82		
Dec. 4, 1955	57.82	14.00	
Dec. 7, 1956	44.73*		13.09
Dec. 6, 1957	45.03	.30	
Dec. 6, 1959	42.20		2.83
May 24, 1961	46.43	4.23	
Dec. 8, 1961	42.74		3.69
Dec. 6, 1962	43.18	.44	
Dec. 3, 1963	41.75		1.43
Dec. 3, 1964	43.05	1.30	
Dec. 9, 1965	51.75*	8.70	
Dec. 5, 1966	43.07		8.68
Dec. 1, 1967	41.62		1.45
Dec. 3, 1968	39.90		1.72
Dec. 5, 1969	39.28		.62
Feb. 9, 1971	39.89	.61	
Dec. 9, 1971	34.10		5.79
Dec. 5, 1972	39.40Q	5.30	
Dec. 5, 1974	37.02		2.38
Nov. 4, 1975	37.23	.21	
Nov. 9, 1976	35.24		1.99
Nov. 16, 1977	36.77	1.53	
Nov. 7, 1978	39.20	2.43	
Jan. 10, 1980	38.26		.94
Well 45-29-401			
Dec. 5, 1955	57.70		
Dec. 7, 1956	58.12	.42	
Dec. 6, 1959	61.66	3.54	
Nov. 30, 1960	62.51	.85	
Dec. 8, 1961	62.20		.31
Dec. 6, 1962	60.16		2.04
Dec. 4, 1963	64.44	4.28	
Dec. 3, 1964	68.14	3.70	
Nov. 30, 1967	68.65	.51	
Dec. 3, 1968	67.43		1.22
Dec. 5, 1969	65.85		1.58
Feb. 9, 1971	66.13	.28	
Dec. 9, 1971	66.90	.77	
Dec. 5, 1972	64.74		2.16
Dec. 5, 1974	61.17		3.57

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Crane County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-29-401—Continued			
Nov. 4, 1975	60.83		0.34
Nov. 16, 1977	55.59		5.24
Nov. 7, 1978	57.40	1.81	
Jan. 10, 1980	59.24	1.84	
Well 45-29-601			
Sept. 26, 1954	48.95		
Dec. 5, 1955	55.44*	6.49	
Dec. 8, 1956	60.52*	5.08	
Dec. 6, 1957	47.57		12.95
Dec. 6, 1959	49.41	1.84	
Nov. 30, 1960	48.10		1.31
Dec. 8, 1961	50.62	2.52	
Dec. 6, 1962	51.16	.54	
Dec. 4, 1963	51.62	.46	
Dec. 3, 1964	52.24	.62	
Dec. 9, 1965	52.44	.20	
Dec. 6, 1966	48.24		4.20
Nov. 30, 1967	49.17	.93	
Dec. 3, 1968	48.00		1.17
Dec. 5, 1969	52.82	4.82	
Feb. 9, 1971	49.73		3.09
Dec. 9, 1971	54.40*	4.67	
Dec. 5, 1972	49.50		4.90
Dec. 5, 1974	49.69	.19	
Nov. 4, 1975	51.93*	2.24	
Nov. 16, 1977	55.42*	3.49	
Nov. 6, 1978	47.72		7.70
Jan. 10, 1980	49.24	1.52	
Jan. 13, 1981	47.28		1.96
Well 45-30-701			
Dec. 5, 1955	58.95		
Dec. 8, 1956	61.70	2.75	
Dec. 6, 1957	58.15		3.55
Dec. 6, 1959	57.93		.22
Dec. 5, 1962	57.73		.20
Dec. 9, 1965	60.63*	2.90	
Dec. 3, 1968	56.78		3.85
Dec. 5, 1969	58.86	2.08	
Feb. 9, 1971	56.72		2.14
Dec. 9, 1971	49.50		7.22
Dec. 5, 1972	56.89*	7.39	
Dec. 5, 1974	57.24	.35	
Well 45-30-701—Continued			
Nov. 4, 1975	56.21		1.03
Nov. 9, 1976	56.22	0.01	
Nov. 16, 1977	57.44*	1.22	
Nov. 6, 1978	61.61*	4.17	
Jan. 10, 1980	64.69*	3.08	
Well 45-35-301			
July 16, 1974	79.60*		
Dec. 5, 1974	73.55		6.05
Well 45-36-802			
Oct. 7, 1954	64.02		
Dec. 4, 1955	61.69		2.33
Dec. 8, 1956	62.03	.34	
Dec. 7, 1957	64.65	2.62	
Dec. 6, 1959	60.90		3.75
Dec. 2, 1960	60.98	.08	
Dec. 7, 1961	58.91		2.07
Dec. 5, 1962	67.40	8.49	
Dec. 3, 1964	66.20		1.20
Dec. 9, 1965	65.95		.25
Dec. 5, 1966	66.15	.20	
Dec. 1, 1967	64.41		1.74
Dec. 3, 1968	63.40		1.01
Dec. 5, 1969	63.21		.19
Feb. 9, 1971	64.59	1.38	
Dec. 9, 1971	67.14*	2.55	
Dec. 4, 1972	64.97		2.17
Dec. 5, 1974	65.94	.97	
Nov. 4, 1975	63.82*		2.12
Nov. 9, 1976	61.47*		2.35
Nov. 16, 1977	62.25	.78	
Nov. 7, 1978	63.43	1.18	
Jan. 11, 1980	81.85*	18.42	
Jan. 13, 1981	92.14*	10.29	
Well 45-44-301			
July 18, 1974	30.23		
Dec. 5, 1974	27.75		2.48
Nov. 4, 1975	28.09	.34	
Nov. 9, 1976	28.81	.72	
Nov. 16, 1977	30.23	1.42	
Jan. 11, 1980	30.98	.75	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Crane County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-44-601			
July 18, 1974	90.32		
Dec. 5, 1974	85.16		5.16
Nov. 4, 1975	79.67		5.49
Nov. 9, 1976	65.75		13.92
Nov. 16, 1977	59.13		6.62
Nov. 7, 1978	52.10		7.03
Jan. 11, 1980	50.22		1.88
Jan. 13, 1981	43.16		7.06
Well 45-45-501			
July 16, 1974	42.53*		
Dec. 5, 1974	43.27*	0.74	
Well 45-46-101			
July 17, 1974	121.43		
Dec. 5, 1974	122.07	.64	
Nov. 4, 1975	120.75		1.32
Nov. 9, 1976	120.18		.57
Well 45-53-301			
July 17, 1974	25.48		
Well 45-53-303			
Sept. 12, 1974	30.82		
Nov. 16, 1977	29.74		1.08
Nov. 7, 1978	26.98		2.76
Jan. 11, 1980	27.22	.24	
Jan. 13, 1981	28.09	.87	
Well 45-54-501			
May 17, 1961	133.50		
July 15, 1974	127.79		5.71
Dec. 5, 1974	127.29		.50
Nov. 9, 1976	125.76		1.53
Nov. 16, 1977	125.22		.54
Jan. 11, 1980	121.81		3.41
Jan. 13, 1981	127.64	5.83	
Well 45-62-101			
Dec. 5, 1955	24.68		
Dec. 8, 1957	22.71		1.97
Dec. 7, 1959	20.12		2.59
Dec. 5, 1961	22.96	2.84	
Dec. 6, 1962	23.84	.88	
Dec. 5, 1963	23.38		.46
Dec. 3, 1964	21.08		2.30
Dec. 9, 1965	22.66	1.58	
Dec. 5, 1966	23.79	1.13	
Nov. 30, 1967	24.09	.30	
Dec. 3, 1968	23.67		.42
Dec. 5, 1969	20.85		2.82
Feb. 9, 1971	21.76	.91	
Dec. 9, 1971	24.42	2.66	
Dec. 4, 1972	22.27		2.15
Dec. 5, 1974	8.37		13.90
Nov. 3, 1975	16.73	8.36	
Nov. 9, 1976	19.96	3.23	
Nov. 16, 1977	21.36	1.40	
Nov. 6, 1978	22.66	1.30	
Jan. 11, 1980	19.17		3.49
Jan. 13, 1981	18.98		.19

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-17-302			
Jan. 17, 1958	146.85		
Jan. 26, 1960	149.75	2.90	
Feb. 7, 1961	149.20		0.55
Feb. 12, 1962	150.31	1.11	
Feb. 8, 1963	151.51	1.20	
Jan. 23, 1964	154.09	2.58	
Jan. 27, 1965	166.17	12.08	
Feb. 9, 1966	164.54		1.63
Jan. 25, 1967	165.05	.51	
Jan. 22, 1968	157.38		7.67
Feb. 5, 1969	155.87		1.51
Jan. 8, 1970	157.61	1.74	
Dec. 7, 1971	171.04	13.43	
Feb. 9, 1972	159.24		11.80
Sept. 7, 1972	167.88	8.64	
Feb. 26, 1973	157.99		9.89
Jan. 2, 1974	162.10	4.11	
Feb. 3, 1976	164.98	2.88	
Feb. 21, 1977	167.42	2.44	
Jan. 17, 1978	166.26		1.16
Jan. 28, 1980	174.61	8.35	
Well 47-17-304			
Apr. 7, 1965	197.03		
Feb. 9, 1966	195.98		1.05
Jan. 25, 1967	194.20		1.78
Jan. 22, 1968	196.20	2.00	
Feb. 5, 1969	197.74	1.54	
Jan. 8, 1970	199.20	1.46	
Feb. 23, 1971	199.89	.69	
Dec. 7, 1971	203.34	3.45	
Feb. 9, 1972	200.73		2.61
Feb. 26, 1973	199.57		1.16
Jan. 2, 1974	203.66	4.09	
Jan. 20, 1975	202.74		.92
Feb. 21, 1977	206.69	3.95	
Jan. 17, 1978	204.85		1.84
Jan. 28, 1980	208.03	3.18	
Well 47-17-317			
Sept. 12, 1966	163.32		
Jan. 25, 1967	166.70	3.38	
Jan. 22, 1968	165.88		.82
Jan. 8, 1970	161.53		4.35
Feb. 23, 1971	167.99	6.46	
Well 47-17-317—Continued			
Dec. 7, 1971	165.55		2.44
Feb. 26, 1973	162.60		2.95
Jan. 2, 1974	166.53	3.93	
Jan. 20, 1975	169.78	3.25	
Feb. 21, 1977	167.12		2.66
Jan. 17, 1978	167.71	.59	
Jan. 22, 1979	174.01	6.30	
Jan. 28, 1980	177.40	3.39	
Feb. 17, 1981	191.39	13.99	
Well 47-17-601			
Jan. 26, 1960	122.15		
Feb. 7, 1961	116.68		5.47
Feb. 12, 1962	115.88		.80
Feb. 8, 1963	116.88	1.00	
Jan. 23, 1964	120.82	3.94	
Jan. 27, 1965	120.40		.42
Feb. 9, 1966	120.27		.13
Jan. 25, 1967	120.17		.10
Jan. 22, 1968	120.10		.07
Feb. 5, 1969	120.70	.60	
Jan. 8, 1970	121.07	.37	
Feb. 23, 1971	122.07	1.00	
Feb. 10, 1972	123.45	1.38	
Feb. 27, 1973	94.75		28.70
Jan. 20, 1975	98.20	3.45	
Feb. 21, 1977	123.92	25.72	
Jan. 17, 1978	119.11		4.81
Jan. 28, 1980	114.22		4.89
Well 47-43-202			
Jan. 21, 1954	223.54		
Jan. 22, 1955	224.58	1.04	
Jan. 19, 1956	225.67	1.09	
Jan. 27, 1960	229.80	4.13	
Feb. 7, 1961	230.76	.96	
Feb. 10, 1962	232.12	1.36	
Feb. 6, 1963	233.51	1.39	
Jan. 24, 1964	234.45	.94	
Jan. 23, 1965	235.24	.79	
Nov. 9, 1966	236.52	1.28	
Jan. 19, 1967	235.43		1.09
Jan. 16, 1968	240.80	5.37	
Feb. 4, 1969	238.65		2.15
Jan. 23, 1970	244.80	6.15	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-43-202—Continued			
Feb. 12, 1971	250.19	5.39	
Dec. 8, 1971	260.70Q	10.51	
Dec. 4, 1972	256.80Q		3.90
Feb. 3, 1976	258.72	1.92	
Feb. 21, 1977	255.92		2.80
Jan. 12, 1978	253.46		2.46
Well 47-43-502			
Jan. 29, 1953	154.02		
Jan. 21, 1954	154.03	.01	
Jan. 22, 1955	154.23	.20	
Jan. 19, 1956	153.90		.33
Jan. 27, 1960	154.20	.30	
Feb. 7, 1961	154.39	.19	
Feb. 10, 1962	154.28		.11
Feb. 6, 1963	153.31		.97
Jan. 24, 1964	154.59	1.28	
Jan. 23, 1965	154.66	.07	
Feb. 16, 1966	155.08	.42	
Nov. 9, 1966	154.70		.38
Jan. 19, 1967	154.53		.17
Jan. 16, 1968	155.00	.47	
Feb. 4, 1969	149.59		5.41
Jan. 23, 1970	154.86	5.27	
Feb. 12, 1971	155.89	1.03	
Dec. 8, 1971	154.98		.91
Dec. 4, 1972	154.58		.40
Feb. 21, 1977	154.79	.21	
June 18, 1979	156.10	1.31	
Well 47-43-802			
Jan. 23, 1970	142.35		
Feb. 12, 1971	140.70		1.65
Dec. 8, 1971	141.09	.39	
Dec. 4, 1972	141.36	.27	
Feb. 3, 1976	143.06	1.70	
Feb. 21, 1977	144.12	1.06	
Jan. 12, 1978	145.79	1.67	
Feb. 4, 1981	146.84	1.05	
Well 47-51-501			
May 11, 1950	151.56		
Jan. 27, 1953	156.86*	5.30	
Jan. 21, 1954	154.03		2.83
Jan. 22, 1955	154.03		
Jan. 23, 1956	156.22*	2.19	
Jan. 27, 1957	156.59	.37	
Jan. 15, 1958	158.03	1.44	
Jan. 28, 1960	159.60	1.57	
Feb. 10, 1962	165.10	5.50	
Feb. 6, 1963	164.83		0.27
Jan. 24, 1964	166.32	1.49	
Jan. 23, 1965	164.42		1.90
Feb. 16, 1966	165.48	1.06	
Jan. 19, 1967	164.63		.85
Feb. 6, 1969	165.82	1.19	
Jan. 28, 1970	167.23	1.41	
Feb. 12, 1971	171.50	4.27	
Dec. 8, 1971	169.35		2.15
Dec. 4, 1972	173.12	3.77	
Dec. 18, 1973	182.15	9.03	
Feb. 21, 1977	177.11		5.04
Jan. 17, 1978	175.16		1.95
Well 47-51-706			
Apr. 28, 1966	209.72		
June 8, 1966	208.48		1.24
July 11, 1966	205.28		3.20
Aug. 10, 1966	212.04	6.76	
Sept. 14, 1966	205.38		6.66
Oct. 28, 1966	202.91		2.47
Nov. 30, 1966	202.30		.61
Jan. 19, 1967	200.03		2.27
Feb. 28, 1967	207.31	7.28	
Apr. 14, 1967	210.57	3.26	
June 14, 1967	207.53		3.04
Aug. 9, 1967	212.48	4.95	
Sept. 29, 1967	209.58		2.90
Oct. 15, 1967	207.57		2.01
Dec. 15, 1967	203.75		3.82
Feb. 15, 1968	202.95		.80
Apr. 15, 1968	221.88	18.93	
June 15, 1968	218.09		3.79
Aug. 15, 1968	215.83		2.26
Oct. 9, 1968	208.52		7.31
Dec. 17, 1968	204.95		3.57
Feb. 8, 1969	204.57		.38
Apr. 24, 1969	208.40	3.83	
June 25, 1969	206.67		1.73
Aug. 13, 1969	207.98	1.31	
Sept. 17, 1969	206.37		1.61

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-51-706—Continued			
Oct. 17, 1969	205.09		1.28
Nov. 19, 1969	204.73		.36
Dec. 17, 1969	203.80		.93
Jan. 16, 1970	203.47		.33
Jan. 28, 1970	202.91		.56
Feb. 18, 1970	203.54	0.63	
Mar. 18, 1970	203.55	.01	
Apr. 14, 1970	207.19	3.64	
May 14, 1970	208.49	1.30	
June 18, 1970	212.81	4.32	
July 14, 1970	207.58		5.23
Aug. 17, 1970	207.37		.21
Oct. 15, 1970	205.69		1.68
Dec. 15, 1970	204.35		1.34
Feb. 11, 1971	203.47		.88
Feb. 17, 1971	203.47		
Feb. 18, 1971	203.44		.03
Mar. 12, 1971	203.36		.08
Apr. 20, 1971	208.80	5.44	
May 19, 1971	208.20		.60
June 16, 1971	207.03		1.17
July 19, 1971	210.97	3.94	
Sept. 15, 1971	208.13		2.84
Dec. 9, 1971	203.75		4.38
Feb. 9, 1972	203.70		.05
Mar. 6, 1972	202.85		.85
Apr. 6, 1972	202.85		
June 8, 1972	204.76	1.91	
Aug. 3, 1972	204.03		.73
Oct. 4, 1972	201.64		2.39
Dec. 4, 1972	202.12	.48	
Mar. 9, 1973	201.63		.49
Apr. 18, 1973	203.52	1.89	
June 18, 1973	205.38	1.86	
Aug. 22, 1973	205.43	.05	
Oct. 19, 1973	204.03		1.40
Dec. 18, 1973	202.13		1.90
Jan. 21, 1975	201.14		.99
Apr. 15, 1975	210.00	8.86	
July 21, 1975	210.74	.74	
Oct. 23, 1975	207.33		3.41
Dec. 8, 1975	205.74		1.59
Mar. 16, 1976	212.15	6.41	
May 10, 1976	219.56	7.41	
July 13, 1976	221.43	1.87	
Sept. 15, 1976	218.70		2.73
Dec. 20, 1976	206.16		12.54
Feb. 21, 1977	204.71		1.45
June 8, 1977	210.38	5.67	
Aug. 8, 1977	214.03	3.65	
Oct. 17, 1977	204.48		9.55
Dec. 8, 1977	200.22		4.26
Jan. 12, 1978	198.22		2.00
Feb. 7, 1978	197.53		.69
Mar. 28, 1978	200.23	2.70	
June 21, 1978	197.78		2.45
July 21, 1978	201.75	3.97	
Sept. 20, 1978	196.52		5.23
Dec. 19, 1978	193.98		2.54
Mar. 15, 1979	193.49		.49
Jan. 24, 1980	192.36		1.13
Sept. 15, 1981	190.56		1.80
Well 47-51-708			
Jan. 19, 1967	236.87		
Jan. 16, 1968	248.70	11.83	
Feb. 6, 1969	251.52	2.82	
Jan. 28, 1970	225.94		25.58
Feb. 12, 1971	242.64	16.70	
Dec. 9, 1971	233.11		9.53
Dec. 4, 1972	232.52		.59
Dec. 18, 1973	236.48	3.96	
Jan. 20, 1975	220.68		15.80
Jan. 12, 1978	226.52	5.84	
Jan. 15, 1979	238.80	12.28	
Jan. 24, 1980	249.61	10.81	
Feb. 4, 1981	249.00		.61
Well 47-51-709			
Jan. 19, 1967	214.37		
Jan. 16, 1968	211.05		3.32
Feb. 6, 1969	220.31	9.26	
Jan. 28, 1970	216.10		4.21
Feb. 12, 1971	228.50	12.40	
Dec. 8, 1971	238.22	9.72	
Dec. 4, 1972	239.66	1.44	
Dec. 18, 1973	223.50		16.16
Jan. 21, 1975	234.40	10.90	
Jan. 30, 1976	240.43	6.03	
Feb. 17, 1977	239.62		.81
Jan. 12, 1978	232.80		6.82

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Rise
Well 47-51-709—Continued			
Jan. 16, 1979	232.89	0.09	
Jan. 25, 1980	226.91		5.98
Well 47-51-716			
Jan. 27, 1953	177.78		
Jan. 21, 1954	179.15	1.37	
Jan. 22, 1955	179.56	.41	
Jan. 23, 1956	180.97	1.41	
Jan. 27, 1957	182.54	1.57	
Jan. 27, 1960	183.75	1.21	
Feb. 8, 1961	187.67	3.92	
Feb. 10, 1962	198.18	10.51	
Feb. 6, 1963	193.84		4.34
Jan. 24, 1964	196.27	2.43	
Jan. 23, 1965	211.52*	15.25	
Feb. 16, 1966	192.86		18.66
Jan. 19, 1967	192.40		.46
Jan. 16, 1968	193.55	1.15	
Feb. 6, 1969	198.53	4.98	
Jan. 28, 1970	197.08		1.45
Feb. 12, 1971	198.03	.95	
Dec. 9, 1971	196.48		1.55
Dec. 4, 1972	197.69	1.21	
Dec. 18, 1973	201.95	4.26	
Jan. 20, 1975	210.73	8.78	
Feb. 3, 1976	215.53	4.80	
Feb. 17, 1977	226.72	11.19	
Jan. 12, 1978	218.75		7.97
Jan. 15, 1979	202.95		15.80
Jan. 24, 1980	215.46	12.51	
Well 47-51-801			
Jan. 27, 1953	167.05		
Jan. 21, 1954	165.66		1.39
Jan. 22, 1955	166.38	.72	
Jan. 23, 1956	168.00	1.62	
Jan. 27, 1957	169.30	1.30	
Jan. 15, 1958	170.43	1.13	
Jan. 27, 1960	172.70	2.27	
Feb. 8, 1961	173.94	1.24	
Feb. 6, 1963	184.87	10.93	
Jan. 23, 1965	180.12		4.75
Feb. 16, 1966	182.70	2.58	
Jan. 19, 1967	184.06	1.36	
Jan. 16, 1968	185.09	1.03	
Feb. 6, 1969	185.41	0.32	
Jan. 28, 1970	188.73	3.32	
Dec. 9, 1971	187.70		1.03
Dec. 4, 1972	197.26	9.56	
Dec. 18, 1973	192.96		4.30
Jan. 20, 1975	200.31	7.35	
Feb. 3, 1976	208.08	7.77	
Jan. 17, 1978	208.57	.49	
Jan. 15, 1979	190.64		17.93
Jan. 24, 1980	195.46	4.82	
Well 47-51-804			
Jan. 27, 1953	178.84		
Jan. 21, 1954	179.47	.63	
Jan. 22, 1955	180.18	.71	
Jan. 23, 1956	181.52	1.34	
Jan. 27, 1957	182.86	1.34	
Jan. 15, 1958	185.13	2.27	
Jan. 26, 1960	187.35	2.22	
Feb. 8, 1961	188.25	.90	
Feb. 10, 1962	208.27*	20.02	
Feb. 6, 1963	201.36		6.91
Jan. 24, 1964	198.03		3.33
Jan. 23, 1965	199.80	1.77	
Jan. 19, 1967	196.10		3.70
Jan. 16, 1968	208.35	12.25	
Feb. 6, 1969	200.37		7.98
Jan. 28, 1970	207.60	7.23	
Feb. 12, 1971	215.54	7.94	
Dec. 8, 1971	199.35		16.19
Dec. 4, 1972	208.24Q	8.89	
Dec. 17, 1973	212.09	3.85	
Jan. 20, 1975	210.88		1.21
Feb. 3, 1976	212.39	1.51	
Jan. 17, 1978	211.34		1.05
Jan. 16, 1979	210.51Q		.83
Jan. 24, 1980	211.24	.73	
Well 47-51-806			
Jan. 19, 1967	217.15		
Jan. 16, 1968	215.69		1.46
Feb. 7, 1969	216.63	.94	
Feb. 12, 1971	221.25	4.62	
Jan. 20, 1975	216.07		5.18
Feb. 3, 1976	216.59		.52

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-51-806—Continued			
Feb. 17, 1977	219.12	2.53	
Jan. 17, 1978	211.76		7.36
Jan. 16, 1979	210.22		1.54
Jan. 25, 1980	217.70	7.48	
Feb. 4, 1981	219.56		1.86
Well 47-51-902			
Jan. 29, 1953	199.90		
Jan. 21, 1954	200.63	.73	
Jan. 22, 1955	201.55	.92	
Jan. 23, 1956	202.84	1.29	
Jan. 27, 1957	204.36	1.52	
Jan. 15, 1958	205.20	.84	
Jan. 27, 1960	214.64	9.44	
Feb. 8, 1961	216.42	1.78	
Feb. 10, 1962	218.20	1.78	
Feb. 6, 1963	220.80	2.60	
Jan. 24, 1964	221.71	.91	
Jan. 27, 1965	222.78	1.07	
Feb. 16, 1966	220.98		1.80
Jan. 18, 1967	239.04*	18.06	
Jan. 16, 1968	228.57		10.47
Feb. 7, 1969	229.62	1.05	
Jan. 28, 1970	230.51	.89	
Feb. 12, 1971	249.89	19.38	
Dec. 9, 1971	230.50		19.39
Dec. 4, 1972	225.10		5.40
Dec. 18, 1973	230.02	4.92	
Jan. 21, 1975	222.34		7.68
Feb. 3, 1976	224.56	2.22	
Jan. 17, 1978	223.98		.58
Jan. 16, 1979	224.14	.16	
Jan. 25, 1980	226.51	2.37	
Feb. 4, 1981	226.30		.21
Well 47-58-601			
June 5, 1970	363.85		
Feb. 12, 1971	364.54	.69	
Dec. 7, 1971	364.46		.08
Dec. 4, 1972	365.29	.83	
Dec. 17, 1973	365.99	.70	
Jan. 21, 1975	366.35	.36	
Jan. 30, 1976	367.36	1.01	
Feb. 17, 1977	368.22	.86	
Feb. 7, 1961	333.56		
Feb. 10, 1962	328.56		5.00
Feb. 8, 1963	335.59	7.03	
Jan. 24, 1964	339.47	3.88	
Jan. 27, 1965	337.54		1.93
Feb. 16, 1966	338.90	1.36	
Jan. 18, 1967	339.12	.22	
Jan. 16, 1968	339.67	.55	
Feb. 4, 1969	339.31		.36
Jan. 23, 1970	341.10	1.79	
Feb. 12, 1971	355.45	14.35	
Dec. 9, 1971	350.40		5.05
Dec. 4, 1972	351.62	1.22	
Dec. 18, 1973	367.20	15.58	
Jan. 21, 1975	365.01		2.19
Feb. 3, 1976	350.61		14.40
Jan. 17, 1979	347.63		2.98
Jan. 24, 1980	345.91		1.72
Feb. 4, 1981	347.27	1.36	
Well 47-59-101			
Jan. 29, 1953	212.96		
Jan. 24, 1954	213.73	.77	
Jan. 22, 1955	214.30	.57	
Jan. 23, 1956	215.77	1.47	
Jan. 27, 1957	217.30	1.53	
Jan. 26, 1960	220.77	3.47	
Feb. 9, 1961	222.00	1.23	
Feb. 10, 1962	228.19	6.19	
Jan. 24, 1964	229.65	1.46	
Jan. 27, 1965	229.09		.56
Feb. 16, 1966	228.90		.19
Jan. 18, 1967	228.27		.63
Jan. 17, 1968	229.13	.86	
Feb. 7, 1969	228.41		.72
Jan. 28, 1970	234.26	5.85	
Feb. 12, 1971	243.48	9.22	
Dec. 8, 1971	248.25	4.77	
Dec. 4, 1972	244.43		3.82
Feb. 17, 1977	243.82		.61
Jan. 11, 1978	237.92		5.90
Jan. 16, 1979	239.38	1.46	
Jan. 25, 1980	242.33	2.95	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-59-104			
Jan. 27, 1953	221.27		
Jan. 24, 1954	223.45	2.18	
Jan. 22, 1955	223.38		0.07
Jan. 23, 1956	225.22	1.84	
Jan. 27, 1957	226.70	1.48	
Jan. 26, 1960	229.48	2.78	
Feb. 9, 1961	230.95	1.47	
Feb. 10, 1962	235.11	4.16	
Jan. 6, 1963	235.78	.67	
Jan. 24, 1964	236.18	.40	
Jan. 27, 1965	242.64	6.46	
Feb. 16, 1966	236.35		6.29
Jan. 18, 1967	241.80	5.45	
Jan. 17, 1968	242.60	.80	
Feb. 7, 1969	241.68		.92
Jan. 27, 1970	254.10	12.42	
Feb. 12, 1971	267.55	13.45	
Dec. 8, 1971	276.40Q	8.85	
Dec. 4, 1972	253.59		22.81
Dec. 17, 1973	268.13	14.54	
Jan. 11, 1978	251.25		16.88
Well 47-59-106			
Jan. 27, 1953	198.35		
Jan. 21, 1954	199.53	1.18	
Jan. 22, 1955	200.22	.69	
Jan. 23, 1956	201.65	1.43	
Jan. 26, 1960	209.15	7.50	
Feb. 8, 1961	208.26		.89
Feb. 10, 1962	203.04		5.22
Feb. 6, 1963	214.07	11.03	
Jan. 24, 1964	214.25	.18	
Jan. 27, 1965	214.86	.61	
Feb. 16, 1966	214.00		.86
Sept. 1, 1966	213.70		.30
Nov. 7, 1966	213.88	.18	
Jan. 18, 1967	213.64		.24
Jan. 15, 1968	204.61		9.03
Jan. 16, 1968	214.85	10.24	
Feb. 7, 1969	213.27		1.58
Jan. 28, 1970	211.37		1.90
Dec. 8, 1971	219.45	8.08	
Dec. 4, 1972	201.69		17.76
Dec. 17, 1973	218.20	16.51	
Feb. 17, 1977	222.18	3.98	
Jan. 11, 1978	223.96	1.78	
Jan. 24, 1954	221.39		
Jan. 22, 1955	222.72	1.33	
Jan. 23, 1956	223.37	.65	
Jan. 28, 1957	224.73	1.36	
Jan. 27, 1960	232.47	7.74	
Feb. 9, 1961	228.35		4.12
Feb. 6, 1963	232.46	4.11	
Jan. 24, 1964	237.32	4.86	
Jan. 27, 1965	247.68	10.36	
Feb. 16, 1966	238.90		8.78
Jan. 18, 1967	241.20	2.30	
Jan. 17, 1968	242.95	1.75	
Feb. 7, 1969	242.49		.46
Jan. 27, 1970	235.52		6.97
Feb. 17, 1977	242.16	6.64	
Jan. 17, 1978	229.02		13.14
Jan. 16, 1979	234.54	5.52	
Jan. 24, 1980	232.72		1.82
Well 47-59-203			
May 11, 1950	218.91		
Jan. 27, 1953	219.34	.43	
Jan. 21, 1954	222.28	2.94	
Jan. 20, 1955	223.00	.72	
Jan. 23, 1956	224.21	1.21	
Jan. 28, 1957	227.80	3.59	
Jan. 15, 1958	231.46	3.66	
Jan. 27, 1960	233.32	1.86	
Feb. 9, 1961	230.94		2.38
Feb. 9, 1962	231.99	1.05	
Feb. 6, 1963	233.10	1.11	
Jan. 24, 1964	234.09	.99	
Jan. 27, 1965	247.90	13.81	
Feb. 16, 1966	235.60		12.30
Sept. 14, 1966	237.32	1.72	
Nov. 7, 1966	235.68		1.64
Jan. 18, 1967	246.38	10.70	
Jan. 17, 1968	236.92		9.46
Feb. 7, 1969	238.11	1.19	
Jan. 27, 1970	238.35	.24	
Dec. 7, 1971	255.40	17.05	
Dec. 4, 1972	255.43	.03	
Jan. 30, 1976	251.17		4.26
Feb. 17, 1977	256.28	5.11	
Jan. 11, 1978	251.25		5.03
Jan. 16, 1979	246.84		4.41
Jan. 24, 1980	248.80	1.96	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-59-206			
Mar. 3, 1951	230.96		
Mar. 8, 1952	231.64	0.68	
Feb. 6, 1963	245.26	13.62	
Jan. 24, 1964	246.59	1.33	
Jan. 27, 1965	247.14	.55	
Feb. 16, 1966	247.76	.62	
Jan. 18, 1967	245.88		1.88
Jan. 17, 1968	248.92	3.04	
Feb. 7, 1969	246.54		2.38
Jan. 27, 1970	250.76	4.22	
Feb. 12, 1971	251.52	.76	
Dec. 7, 1971	252.22	.70	
Dec. 4, 1972	252.40	.18	
Dec. 17, 1973	266.73	14.33	
Jan. 21, 1975	253.01		13.72
Jan. 30, 1976	255.99	2.98	
Feb. 17, 1977	266.85	10.86	
Jan. 11, 1978	258.86		7.99
Jan. 16, 1979	259.36	.50	
Feb. 4, 1981	263.12	3.74	
Well 47-59-208			
Jan. 19, 1967	218.08		
Jan. 16, 1968	219.00	.92	
Feb. 7, 1969	218.58		.42
Jan. 28, 1970	220.45	1.87	
Dec. 8, 1971	221.70	1.25	
Dec. 4, 1972	224.19	2.49	
Dec. 17, 1973	246.10	21.91	
Jan. 21, 1975	247.57	1.47	
Jan. 30, 1976	243.54		4.03
Feb. 17, 1977	250.04	6.50	
Jan. 17, 1978	228.78		21.26
Jan. 16, 1979	229.00	.22	
Jan. 25, 1980	230.98	1.98	
Feb. 4, 1981	228.18		2.80
Well 47-59-301			
Mar. 3, 1951	218.34		
Mar. 8, 1952	219.90	1.56	
Jan. 27, 1953	226.33	6.43	
Jan. 21, 1954	223.11		3.22
Jan. 22, 1955	224.18	1.07	
Jan. 23, 1956	225.80	1.62	
Jan. 27, 1960	231.55	5.75	
Feb. 9, 1961	230.55		1.00
Feb. 10, 1962	233.44	2.89	
Feb. 6, 1963	238.03	4.59	
Jan. 24, 1964	233.49		4.54
Jan. 27, 1965	235.16	1.67	
Feb. 16, 1966	235.76	.60	
Sept. 1, 1966	236.40	.64	
Nov. 8, 1966	235.66		.74
Jan. 18, 1967	235.84	.18	
Jan. 16, 1968	236.34	.50	
Feb. 7, 1969	237.66	1.32	
Jan. 28, 1970	237.06		.60
Feb. 12, 1971	257.83	20.77	
Dec. 8, 1971	266.70Q	8.87	
Dec. 4, 1972	271.53	4.83	
Dec. 17, 1973	269.80		1.73
Jan. 21, 1975	269.30		.50
Jan. 30, 1976	268.94		.36
Feb. 17, 1977	273.66	4.72	
Jan. 17, 1978	253.76		19.90
Jan. 16, 1979	257.48	3.72	
Jan. 25, 1980	250.07		7.41
Well 47-59-302			
Jan. 22, 1955	238.90*		
Feb. 9, 1961	246.18	7.28	
Feb. 10, 1962	253.09	6.91	
Feb. 6, 1963	251.00		2.09
Jan. 24, 1964	250.32		.68
Jan. 27, 1965	250.60	.28	
Feb. 16, 1966	252.60	2.00	
Sept. 14, 1966	251.90		.70
Nov. 8, 1966	251.10		.80
Jan. 18, 1967	253.28	2.18	
Jan. 16, 1968	252.63		.65
Feb. 7, 1969	249.20		3.43
Jan. 28, 1970	254.03	4.83	
Dec. 8, 1971	257.14	3.11	
Dec. 4, 1972	259.34	2.20	
Dec. 17, 1973	277.80	18.46	
Jan. 21, 1975	283.37	5.57	
Jan. 30, 1976	283.30		.07
Feb. 17, 1977	276.92		6.38
Jan. 17, 1978	281.12	4.20	
Jan. 16, 1979	287.73	6.61	
Jan. 25, 1980	284.17		3.56

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-60-404			
Apr. 29, 1970	344.00		
Feb. 19, 1971	345.95	1.95	
Feb. 6, 1976	365.08	19.13	
Feb. 18, 1977	371.71	6.63	
Jan. 17, 1978	396.44	24.73	
Jan. 17, 1979	403.94	7.50	
Jan. 24, 1980	377.15		26.79
Well 47-60-701			
July 11, 1970	367.00		
Feb. 23, 1971	365.90		1.10
Feb. 2, 1976	378.14	12.24	
Feb. 18, 1977	383.81	5.67	
Jan. 17, 1978	402.56	18.75	
Jan. 17, 1979	414.67	12.11	
Sept. 21, 1979	385.34		29.33
Jan. 24, 1980	376.61Q		8.73
Feb. 4, 1981	380.83	4.22	
Well 51-02-906			
June 22, 1949	132.24		
May 3, 1950	139.31	7.07	
June 2, 1950	150.99	11.68	
Feb. 8, 1951	144.44		6.55
Jan. 26, 1953	147.91	3.47	
Jan. 23, 1954	152.34	4.43	
Jan. 23, 1955	154.89	2.55	
Jan. 24, 1956	158.54	3.65	
Jan. 28, 1957	163.57	5.03	
Jan. 16, 1958	168.93	5.36	
Jan. 27, 1960	180.10	11.17	
Feb. 10, 1961	180.50	.40	
Feb. 9, 1962	198.65	18.15	
Feb. 7, 1963	194.76		3.89
Jan. 24, 1964	198.71	3.95	
Jan. 23, 1965	206.78	8.07	
Feb. 17, 1966	209.77	2.99	
Jan. 17, 1967	220.65	10.88	
Jan. 15, 1968	214.72		5.93
Feb. 11, 1969	217.50	2.78	
Jan. 27, 1970	225.40	7.90	
Dec. 9, 1971	228.30	2.90	
Dec. 8, 1972	228.09		.21
Dec. 17, 1973	230.39	2.30	
Jan. 24, 1975	229.73		.66
Well 51-02-906—Continued			
Jan. 29, 1977	242.22	12.49	
Jan. 11, 1978	235.92		6.30
Jan. 18, 1979	228.35Q		7.57
Jan. 23, 1980	219.53Q		8.82
Feb. 4, 1981	235.18	15.65	
Well 51-02-911			
Jan. 24, 1956	164.30		
Jan. 28, 1957	170.26	5.96	
Jan. 16, 1958	177.19	6.93	
Jan. 27, 1960	195.80	18.61	
Feb. 10, 1961	187.40		8.40
Feb. 9, 1962	205.50	18.10	
Feb. 7, 1963	198.94		6.56
Jan. 24, 1964	201.52	2.58	
Jan. 23, 1965	211.82	10.30	
Feb. 17, 1966	222.03	10.21	
Jan. 15, 1968	230.90	8.87	
Feb. 11, 1969	232.47	1.57	
Feb. 12, 1971	246.92	14.45	
Dec. 8, 1972	247.72	.80	
Dec. 17, 1973	249.21	1.49	
Jan. 24, 1975	253.11	3.90	
Jan. 29, 1976	256.28	3.17	
Feb. 17, 1977	263.01	6.73	
Jan. 11, 1978	257.31		5.70
Jan. 18, 1979	258.03	.72	
Jan. 23, 1980	239.68		18.35
Well 51-02-912			
Jan. 27, 1960	180.05		
Feb. 10, 1961	183.90	3.85	
Feb. 9, 1962	198.99	15.09	
Feb. 7, 1963	202.65	3.66	
Jan. 24, 1964	194.55		8.10
Jan. 23, 1965	226.12	31.57	
Feb. 17, 1966	210.65		15.47
Jan. 17, 1967	219.24	8.59	
Feb. 11, 1969	220.18	.94	
Jan. 27, 1970	236.00	15.82	
Feb. 10, 1971	246.71	10.71	
Dec. 10, 1971	241.82		4.89
Dec. 8, 1972	238.54		3.28
Dec. 17, 1973	244.60	6.06	
Jan. 24, 1975	255.93	11.33	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-02-912—Continued			
Jan. 29, 1976	257.23	1.30	
Feb. 17, 1977	268.58	11.35	
Jan. 11, 1978	260.07		8.51
Jan. 23, 1980	245.40		14.67
Well 51-02-926			
Jan. 28, 1957	162.05		
Jan. 16, 1958	170.90	8.85	
Jan. 27, 1960	182.05	11.15	
Feb. 10, 1961	184.32	2.27	
Feb. 9, 1962	195.27	10.95	
Feb. 7, 1963	205.08	9.81	
Jan. 24, 1964	209.40	4.32	
Jan. 23, 1965	224.84	15.44	
Feb. 17, 1966	224.63		.21
Jan. 17, 1967	230.94	6.31	
Jan. 15, 1968	229.16		1.78
Feb. 11, 1969	228.17		.99
Jan. 27, 1970	245.68*	17.51	
Dec. 10, 1971	244.85		.83
Dec. 8, 1972	252.58	7.73	
Dec. 17, 1973	251.48		1.10
Jan. 29, 1976	255.26	3.78	
Feb. 17, 1977	264.68	9.42	
Jan. 11, 1978	258.48		6.20
Jan. 18, 1979	261.05	2.57	
Jan. 23, 1980	251.62		9.43
Feb. 4, 1981	252.18	.56	
Well 51-10-309			
June 21, 1949	105.00		
Nov. 17, 1950	121.72	16.72	
Feb. 9, 1951	116.58		5.14
Mar. 7, 1952	126.81	10.23	
Jan. 23, 1954	147.48	20.67	
Jan. 23, 1955	152.22	4.74	
Jan. 24, 1956	160.14	7.92	
Jan. 29, 1957	168.20	8.06	
Jan. 16, 1958	176.44	8.24	
Jan. 27, 1960	187.10	10.66	
Feb. 10, 1961	191.10	4.00	
Feb. 10, 1962	201.67	10.57	
Feb. 7, 1963	207.89	6.22	
Jan. 24, 1964	214.28	6.39	
Feb. 17, 1966	222.75	8.47	
Jan. 17, 1967	220.39		2.36
Jan. 27, 1970	238.39	18.00	
Dec. 10, 1971	244.52	6.13	
Dec. 17, 1973	249.65	5.13	
Jan. 24, 1975	252.22	2.57	
Jan. 29, 1976	261.29	9.07	
Feb. 16, 1977	257.42		3.87
Jan. 11, 1978	248.35		9.07
Jan. 17, 1979	245.14		3.21
Jan. 23, 1980	236.91		8.23
Well 51-10-323			
Jan. 23, 1954	141.78		
Jan. 23, 1955	146.57	4.79	
Jan. 24, 1956	155.08	8.51	
Jan. 29, 1957	163.58	8.50	
Jan. 16, 1958	171.71	8.13	
Jan. 27, 1960	184.35	12.64	
Feb. 10, 1961	186.60	2.25	
Feb. 10, 1962	203.50	16.90	
Jan. 24, 1964	209.23	5.73	
Jan. 23, 1965	225.49	16.26	
Feb. 17, 1966	223.65		1.84
Sept. 1, 1966	231.10	7.45	
Nov. 8, 1966	226.17		4.93
Jan. 17, 1967	223.78		2.39
Jan. 15, 1968	227.19	3.41	
Feb. 10, 1969	222.89		4.30
Jan. 27, 1970	241.84	18.95	
Feb. 10, 1971	240.08		1.76
Dec. 10, 1971	248.90Q	8.82	
Dec. 8, 1972	248.48		.42
Dec. 17, 1973	255.01	6.53	
Jan. 24, 1975	249.57		5.44
Jan. 29, 1976	257.27	7.70	
Feb. 17, 1977	259.54	2.27	
Jan. 11, 1978	267.05	7.51	
Jan. 17, 1979	262.49		4.56
Jan. 23, 1980	253.11		9.38
Well 51-10-331			
June 22, 1949	79.74		
May 10, 1950	86.81	7.07	
Feb. 9, 1951	90.90	4.09	
Mar. 7, 1952	99.12	8.22	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-10-331—Continued			
Jan. 26, 1953	108.13	9.01	
Jan. 23, 1954	115.00	6.87	
Jan. 23, 1955	118.22	3.22	
Jan. 24, 1956	124.46	6.24	
Jan. 29, 1957	131.30	6.84	
Jan. 16, 1958	136.66	5.36	
Jan. 27, 1960	144.20	7.54	
Feb. 10, 1961	146.69	2.49	
Feb. 10, 1962	151.55	4.86	
Feb. 7, 1963	157.34	5.79	
Jan. 24, 1964	160.90	3.56	
Jan. 23, 1965	179.80	18.90	
Feb. 17, 1966	172.62		7.18
Sept. 14, 1966	178.40	5.78	
Jan. 17, 1967	177.66		.74
Jan. 15, 1968	182.42	4.76	
Feb. 10, 1969	179.65		2.77
Jan. 27, 1970	180.69	1.04	
Feb. 10, 1971	198.94	18.25	
Dec. 11, 1971	194.28		4.66
Dec. 7, 1972	200.23	5.95	
Jan. 11, 1978	208.47	8.24	
Jan. 17, 1979	209.69	1.22	
Jan. 23, 1980	198.74		10.95
Well 51-10-334			
Nov. 8, 1966	186.07		
Jan. 17, 1967	182.26		3.81
Jan. 15, 1968	184.30	2.04	
Feb. 10, 1969	184.74	.44	
Feb. 10, 1971	187.13	2.39	
Dec. 11, 1971	198.68	11.55	
Dec. 18, 1973	203.92	5.24	
Jan. 24, 1975	199.15		4.77
Jan. 29, 1976	221.50	22.35	
Feb. 17, 1977	233.26	11.76	
Jan. 11, 1978	226.18		7.08
Jan. 17, 1979	233.37	7.19	
Jan. 23, 1980	220.36		13.01
Well 51-10-335			
Sept. 15, 1949	95.00		
May 4, 1950	105.56*	10.56	
June 1, 1950	102.59		2.97
Feb. 9, 1951	103.41	.82	
Feb. 10, 1961	161.15	57.74	
Feb. 7, 1963	171.11	9.96	
Jan. 24, 1964	174.26	3.15	
Jan. 23, 1965	184.32	10.06	
Feb. 17, 1966	185.60	1.28	
Jan. 17, 1967	184.70		0.90
Jan. 15, 1968	187.78	3.08	
Feb. 10, 1969	187.22		.56
Jan. 27, 1970	193.31	6.09	
Feb. 10, 1971	196.48	3.17	
Dec. 11, 1971	201.52	5.04	
Dec. 18, 1973	208.12	6.60	
Feb. 16, 1977	204.11		4.01
Jan. 11, 1978	213.02	8.91	
Jan. 17, 1979	214.75	1.73	
Jan. 23, 1980	209.14		5.61
Well 51-10-337			
Nov. 13, 1975	259.20		
Mar. 16, 1976	261.43	2.23	
May 10, 1976	265.61	4.18	
July 13, 1976	268.35	2.74	
Sept. 16, 1976	268.56	.21	
Dec. 21, 1976	262.34		6.22
Feb. 16, 1977	259.55		2.79
June 8, 1977	267.27	7.72	
Aug. 8, 1977	266.56		.71
Aug. 24, 1977	266.88	.32	
Jan. 11, 1978	257.31		9.57
Jan. 17, 1979	254.22		3.09
Jan. 23, 1980	251.46		2.76
Well 51-10-601			
Oct. 15, 1949	95.00		
Nov. 17, 1950	99.72	4.72	
Feb. 28, 1951	97.34		2.38
Jan. 26, 1953	115.06	17.72	
Jan. 23, 1954	121.10	6.04	
Jan. 23, 1955	124.03	2.93	
Jan. 24, 1956	129.86	5.83	
Jan. 29, 1957	136.68	6.82	
Jan. 17, 1958	142.14	5.46	
Jan. 27, 1960	146.20	4.06	
Feb. 10, 1961	149.21	3.01	
Feb. 10, 1962	154.39	5.18	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-10-601—Continued			
Feb. 7, 1963	157.61	3.22	
Jan. 24, 1964	162.34	4.73	
Jan. 23, 1965	170.18	7.84	
Feb. 17, 1966	167.00		3.18
Jan. 17, 1967	165.29		1.71
Jan. 15, 1968	167.93	2.64	
Feb. 10, 1969	167.04		.89
Jan. 27, 1970	168.42	1.38	
Feb. 10, 1971	170.98	2.56	
Dec. 10, 1971	174.01	3.03	
Dec. 7, 1972	179.13	5.12	
Dec. 17, 1973	185.08	5.95	
Jan. 24, 1975	191.92	6.84	
Jan. 29, 1976	187.79		4.13
Feb. 16, 1977	199.62	11.83	
Jan. 11, 1978	194.11		5.51
Jan. 17, 1979	190.99		3.12
Jan. 22, 1980	195.20	4.21	
Well 51-10-603			
Feb. 28, 1951	116.08		
Jan. 24, 1954	134.90	18.82	
Jan. 24, 1956	143.95	9.05	
Jan. 29, 1957	150.80	6.85	
Jan. 17, 1958	155.36	4.56	
Jan. 27, 1960	160.70	5.34	
Feb. 10, 1961	159.18		1.52
Feb. 10, 1962	179.40	20.22	
Feb. 7, 1963	175.40		4.00
Jan. 24, 1964	170.60		4.80
Jan. 27, 1965	172.10Q	1.50	
Feb. 17, 1966	175.93	3.83	
Sept. 14, 1966	178.76	2.83	
Nov. 8, 1966	175.55		3.21
Jan. 17, 1967	175.08		.47
Jan. 15, 1968	176.20	1.12	
Feb. 10, 1969	173.52		2.68
Jan. 27, 1970	178.83	5.31	
Feb. 10, 1971	190.45	11.62	
Dec. 10, 1971	189.90		.55
Dec. 7, 1972	189.70		.20
Dec. 18, 1973	187.71		1.99
Jan. 21, 1975	194.33Q	6.62	
Jan. 29, 1976	196.89	2.56	
Feb. 16, 1977	200.44	3.55	
Jan. 11, 1978	194.00		6.44
Jan. 17, 1979	190.64		3.36
Jan. 22, 1980	187.78		2.86
Feb. 4, 1981	194.08	6.30	
Well 51-10-604			
Jan. 15, 1946	86.00		
May 2, 1950	92.52	6.52	
Feb. 28, 1951	88.50		4.02
Jan. 26, 1953	111.55	23.05	
Jan. 23, 1954	120.69	9.14	
Jan. 23, 1955	125.87	5.18	
Jan. 24, 1956	133.65	7.78	
Jan. 29, 1957	143.20	9.55	
Jan. 17, 1958	147.73	4.53	
Jan. 27, 1960	156.90	9.17	
Feb. 10, 1961	160.53	3.63	
Jan. 24, 1964	176.75	16.22	
Feb. 17, 1966	178.38	1.63	
Sept. 14, 1966	185.97	7.59	
Nov. 8, 1966	182.15		3.82
Jan. 17, 1967	182.27	.12	
Jan. 15, 1968	184.23	1.96	
Feb. 10, 1969	184.54	.31	
Jan. 27, 1970	189.93	5.39	
Feb. 10, 1971	209.47	19.54	
Dec. 17, 1973	185.09		24.38
Jan. 24, 1975	185.14	.05	
Jan. 29, 1976	184.38		.76
Feb. 16, 1977	179.14		5.24
Jan. 11, 1978	170.05		9.09
Feb. 4, 1981	169.07		.98
Well 51-10-607			
May 21, 1950	111.20		
Feb. 10, 1961	131.86	20.66	
May 17, 1961	141.05	9.19	
Jan. 24, 1964	155.36	14.31	
Jan. 23, 1965	149.80		5.56
Feb. 17, 1966	148.43		1.37
Jan. 17, 1967	149.05	.62	
Jan. 15, 1968	155.12	6.07	
Feb. 10, 1969	150.42		4.70
Jan. 27, 1970	155.67	5.25	
Dec. 10, 1971	166.40	10.73	
Dec. 7, 1972	173.67	7.27	
Dec. 17, 1973	160.76		12.91

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-10-607—Continued			
Jan. 24, 1975	167.87	7.11	
Jan. 29, 1976	164.98		2.89
Feb. 16, 1977	162.78		2.20
Jan. 11, 1978	157.23		5.55
Jan. 17, 1979	161.69	4.46	
Jan. 22, 1980	163.87	2.18	
Well 51-10-615			
Nov. 16, 1969	176.10		
Dec. 17, 1969	174.28		1.82
Jan. 13, 1970	172.78		1.50
Apr. 1, 1970	186.53	13.75	
Apr. 15, 1970	188.20	1.67	
May 14, 1970	182.89		5.31
July 14, 1970	183.50	.61	
July 21, 1970	189.73	6.23	
Aug. 17, 1970	186.78		2.95
Sept. 21, 1970	182.09		4.69
Oct. 16, 1970	179.05		3.04
Nov. 16, 1970	176.56		2.49
Dec. 14, 1970	175.25		1.31
Dec. 18, 1970	174.92		.33
Jan. 18, 1971	174.82		.10
Feb. 19, 1971	177.22	2.40	
Mar. 12, 1971	181.41	4.19	
Apr. 21, 1971	180.33		1.08
May 19, 1971	187.45	7.12	
June 16, 1971	191.35	3.90	
July 19, 1971	187.67		3.68
Aug. 16, 1971	188.88	1.21	
Sept. 15, 1971	183.99		4.89
Oct. 12, 1971	182.09		1.90
Dec. 10, 1971	179.90		2.19
Feb. 9, 1972	177.46		2.44
Mar. 6, 1972	176.50		.96
Apr. 6, 1972	176.50		
June 8, 1972	185.19	8.69	
Aug. 3, 1972	188.96	3.77	
Dec. 7, 1972	181.40		7.56
Feb. 21, 1973	180.41		.99
May 9, 1973	189.51	9.10	
June 18, 1973	187.35		2.16
Aug. 22, 1973	192.50	5.15	
Oct. 18, 1973	188.23		4.27
Dec. 17, 1973	183.58		4.65
Mar. 18, 1974	191.59	8.01	
June 10, 1974	192.84	1.25	
Sept. 18, 1974	192.58		0.26
Jan. 21, 1975	182.65		9.93
Apr. 15, 1975	194.40	11.75	
July 21, 1975	194.06		.34
Jan. 11, 1978	187.96Q		6.10
Jan. 17, 1979	184.56		3.40
Jan. 22, 1980	179.15		5.41
Well 51-10-901			
Jan. 26, 1953	133.60		
Jan. 23, 1954	136.54	2.94	
Jan. 23, 1955	140.42	3.88	
Jan. 24, 1956	143.95	3.53	
Jan. 29, 1957	148.61	4.66	
Jan. 17, 1958	153.10	4.49	
Jan. 27, 1960	172.10	19.00	
Feb. 10, 1961	157.00		15.10
Jan. 27, 1965	168.90	11.90	
Feb. 17, 1966	171.07	2.17	
Jan. 17, 1967	168.09		2.98
Jan. 15, 1968	174.15	6.06	
Feb. 10, 1969	171.97		2.18
Jan. 27, 1970	179.78Q	7.81	
Dec. 10, 1971	190.40	10.62	
Dec. 7, 1972	197.46Q	7.06	
Dec. 18, 1973	182.77		14.69
Jan. 21, 1975	193.43	10.66	
Jan. 29, 1976	194.02Q	.59	
Feb. 16, 1977	211.09	17.07	
Jan. 11, 1978	193.71		17.38
Jan. 17, 1979	191.43		2.28
Jan. 22, 1980	174.66Q		16.77
Well 51-11-403			
June 22, 1949	105.78		
Feb. 28, 1951	115.02	9.24	
Jan. 26, 1953	129.32	14.30	
Jan. 23, 1954	134.62	5.30	
Jan. 23, 1955	137.13	2.51	
Jan. 24, 1956	141.73	4.60	
Feb. 10, 1962	158.98	17.25	
Feb. 7, 1963	161.25	2.27	
Jan. 24, 1964	163.32	2.07	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Culberson County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-11-403—Continued			
Jan. 23, 1965	167.90	4.58	
Feb. 17, 1966	167.50		0.40
Jan. 17, 1967	168.39	.89	
Feb. 10, 1969	168.68	.29	
Jan. 27, 1970	173.24	4.56	
Dec. 10, 1971	177.09	3.85	
Dec. 18, 1973	178.83	1.74	
Jan. 21, 1975	198.52	19.69	
Jan. 29, 1976	190.10		8.42
Feb. 16, 1977	196.86	6.76	
Jan. 11, 1978	186.14		10.72
Jan. 17, 1979	184.81		1.33
Jan. 22, 1980	181.81		3.00
Feb. 4, 1981	179.31		2.50

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-17-202			
June 10, 1954	54.00		
Jan. 17, 1958	54.55	0.55	
Jan. 26, 1960	55.32	.77	
Feb. 7, 1961	55.75	.43	
Feb. 12, 1962	57.30	1.55	
Feb. 8, 1963	56.81		0.49
Jan. 23, 1964	56.91	.10	
Jan. 27, 1965	58.63	1.72	
Feb. 9, 1966	55.70		2.93
Sept. 12, 1966	54.72		.98
Nov. 8, 1966	55.10	.38	
Jan. 25, 1967	55.97	.87	
Jan. 22, 1968	58.18	2.21	
Feb. 13, 1969	58.38	.20	
Jan. 8, 1970	59.73	1.35	
Feb. 23, 1971	59.88	.15	
Feb. 11, 1972	62.43	2.55	
Feb. 26, 1973	63.77	1.34	
Jan. 2, 1974	63.40		.37
Jan. 17, 1975	66.14	2.74	
Feb. 3, 1976	68.18	2.04	
Feb. 21, 1977	67.82		.36
Jan. 23, 1978	65.71		2.11
Jan. 22, 1979	71.82	6.11	
Jan. 28, 1980	75.02	3.20	
Well 47-17-203			
Jan. 17, 1958	118.05		
Jan. 26, 1960	119.40	1.35	
Feb. 12, 1962	120.76	1.36	
Feb. 8, 1963	121.37	.61	
Jan. 23, 1964	121.91	.54	
Feb. 9, 1966	122.80	.89	
Jan. 25, 1967	122.78		.02
Jan. 22, 1968	123.50	.72	
Feb. 13, 1969	122.71		.79
Jan. 8, 1970	122.92	.21	
Feb. 23, 1971	119.81		3.11
Feb. 10, 1972	123.83	4.02	
Feb. 26, 1973	125.61	1.78	
Jan. 2, 1974	127.34	1.73	
Jan. 17, 1975	129.24	1.90	
Feb. 3, 1976	132.99	3.75	
Feb. 21, 1977	131.64		1.35
Jan. 23, 1978	128.76		2.88
Jan. 22, 1979	136.51	7.75	
Jan. 28, 1980	139.88	3.37	
Well 47-17-205			
June 10, 1954	71.90		
Feb. 1957	64.00		7.90
Jan. 26, 1960	76.00	12.00	
Feb. 7, 1961	76.35	.35	
Feb. 12, 1962	76.95	.60	
Feb. 8, 1963	78.66	1.71	
Jan. 23, 1964	78.32		.34
Jan. 27, 1965	78.08		.24
Feb. 9, 1966	78.73	.65	
Sept. 12, 1966	78.90	.17	
Nov. 8, 1966	78.15		.75
Jan. 25, 1967	78.03		.12
Jan. 22, 1968	80.53	2.50	
Feb. 13, 1969	78.86		1.67
Jan. 8, 1970	81.17	2.31	
Feb. 23, 1971	81.66	.49	
Dec. 3, 1971	84.70	3.04	
Feb. 26, 1973	84.27		.43
Jan. 2, 1974	88.83	4.56	
Jan. 17, 1975	87.27		1.56
Feb. 3, 1976	88.78	1.51	
Feb. 21, 1977	89.37	.59	
Jan. 23, 1978	87.01		2.36
Jan. 22, 1979	92.87	5.86	
Jan. 28, 1980	93.85	.98	
Well 47-17-206			
Jan. 26, 1960	85.95		
Feb. 7, 1961	88.28	2.33	
Feb. 8, 1963	90.10	1.82	
Jan. 23, 1964	95.73	5.63	
Jan. 27, 1965	93.52		2.21
Feb. 9, 1966	93.45		.07
Jan. 25, 1967	97.41	3.96	
Jan. 22, 1968	99.32	1.91	
Feb. 13, 1969	95.55		3.77
Jan. 8, 1970	97.36	1.81	
Feb. 23, 1971	98.14	.78	
Dec. 3, 1971	102.32	4.18	
Feb. 11, 1972	99.33		2.99
Feb. 26, 1973	97.90		1.43

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 47-17-206—Continued			
Jan. 2, 1974	101.86	3.96	
Jan. 17, 1975	101.33		0.53
Feb. 21, 1977	102.19	.86	
Jan. 23, 1978	100.81		1.38
Jan. 22, 1979	107.29	6.48	
Feb. 17, 1981	108.20	.91	
Well 48-06-201			
May 21, 1954	286.10		
Jan. 23, 1964	290.48	4.38	
Jan. 27, 1965	302.80	12.32	
Feb. 8, 1966	304.20	1.40	
Jan. 30, 1967	302.45		1.75
Jan. 23, 1968	304.89	2.44	
Jan. 6, 1970	291.58		13.31
Feb. 18, 1971	294.31	2.73	
Dec. 1, 1971	284.60		9.71
Dec. 18, 1972	279.74		4.86
Jan. 14, 1975	336.73	56.99	
Feb. 4, 1976	291.88		44.85
Feb. 22, 1977	299.68	7.80	
Jan. 19, 1978	313.32	13.64	
Jan. 31, 1979	329.76Q	16.44	
Jan. 23, 1980	291.95		37.81
Feb. 18, 1981	293.90	1.95	
Well 48-06-601			
Apr. 25, 1961	305.00		
Jan. 23, 1964	306.28	1.28	
Jan. 27, 1965	298.50		7.78
Feb. 15, 1969	312.19	13.69	
Dec. 1, 1971	308.25		3.94
Dec. 18, 1972	305.74		2.51
Jan. 2, 1974	321.07	15.33	
Jan. 14, 1975	341.43	20.36	
Feb. 5, 1976	341.54	.11	
Feb. 22, 1977	342.12	.58	
Jan. 23, 1978	321.35		20.77
Jan. 31, 1979	324.46	3.11	
Jan. 24, 1980	309.65		14.81
Well 48-07-102			
Jan. 23, 1964	198.56		
Jan. 27, 1965	201.35	2.79	
Feb. 8, 1966	205.87	4.52	
Jan. 30, 1967	205.04		0.83
Jan. 23, 1968	208.72	3.68	
Feb. 16, 1969	207.73		.99
Jan. 6, 1970	193.14		14.59
Dec. 19, 1972	196.94	3.80	
Jan. 2, 1974	216.44	19.50	
Jan. 31, 1979	218.12	1.68	
Well 48-07-203			
Mar. 11, 1948	87.85		
Aug. 12, 1948	90.80	2.95	
Nov. 8, 1948	88.79		2.01
Feb. 3, 1949	88.23		.56
Aug. 12, 1949	90.67	2.44	
Sept. 22, 1949	90.65		.02
Nov. 23, 1949	89.39		1.26
Nov. 1, 1950	91.25	1.86	
Feb. 5, 1951	89.39		1.86
Feb. 7, 1952	93.89	4.50	
Jan. 28, 1953	94.71	.82	
Jan. 22, 1954	98.93	4.22	
Jan. 21, 1955	101.40	2.47	
Jan. 20, 1956	102.80	1.40	
Jan. 25, 1957	103.63	.83	
Jan. 15, 1958	107.00	3.37	
Mar. 22, 1960	104.92		2.08
Feb. 6, 1961	104.90		.02
Feb. 12, 1962	105.43	.53	
Feb. 8, 1963	109.69	4.26	
Jan. 23, 1964	112.00	2.31	
Jan. 27, 1965	113.45	1.45	
Feb. 8, 1966	112.66		.79
Jan. 30, 1967	109.96		2.70
Jan. 23, 1968	111.86	1.90	
Feb. 16, 1969	109.57		2.29
Jan. 6, 1970	113.30Q	3.73	
Feb. 18, 1971	125.01	11.71	
Dec. 1, 1971	124.05		.96
Dec. 18, 1972	119.46		4.59
Dec. 28, 1973	121.27	1.81	
Jan. 14, 1975	119.68		1.59
Feb. 4, 1976	129.00	9.32	
Feb. 23, 1977	125.61		3.39
Jan. 19, 1978	131.53	5.92	
Jan. 24, 1979	126.78		4.75
Jan. 23, 1980	128.35	1.57	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-206			
Mar. 11, 1948	75.14		
Feb. 3, 1949	75.20	0.06	
Apr. 7, 1954	93.50	18.30	
Jan. 25, 1960	100.94	7.44	
Feb. 6, 1961	105.16	4.22	
Feb. 8, 1963	103.97		1.19
Jan. 23, 1964	107.02	3.05	
Jan. 27, 1965	117.85	10.83	
Feb. 8, 1966	121.54	3.69	
Jan. 30, 1967	107.32		14.22
Jan. 23, 1968	105.53		1.79
Feb. 16, 1969	109.34	3.81	
Jan. 6, 1970	120.12	10.78	
Feb. 18, 1971	130.76	10.64	
Dec. 1, 1971	119.52		11.24
Dec. 18, 1972	124.99	5.47	
Dec. 18, 1973	116.22		8.77
Jan. 14, 1975	119.70	3.48	
Feb. 4, 1976	124.39	4.69	
Feb. 23, 1977	125.68	1.29	
Jan. 19, 1978	127.16	1.48	
Jan. 24, 1979	135.53Q	8.37	
Jan. 23, 1980	134.38Q		1.15
Feb. 17, 1981	139.05	4.67	
Well 48-07-207			
May 28, 1954	102.50		
Jan. 25, 1960	104.64	2.14	
Feb. 6, 1961	103.01		1.63
Feb. 12, 1962	104.79	1.78	
Feb. 8, 1963	105.32	.53	
Jan. 23, 1964	107.60	2.28	
Jan. 27, 1965	108.15	.55	
Feb. 8, 1966	108.15		
Sept. 2, 1966	115.50	7.35	
Nov. 8, 1966	109.89		5.61
Jan. 30, 1967	105.37		4.52
Jan. 23, 1968	108.05	2.68	
Feb. 16, 1969	106.88		1.17
Jan. 6, 1970	112.13	5.25	
Feb. 18, 1971	115.83	3.70	
Dec. 1, 1971	117.98	2.15	
Dec. 18, 1972	114.35		3.63
Dec. 28, 1973	117.32	2.97	
Jan. 14, 1975	120.42	3.10	
Feb. 4, 1976	123.26	2.84	
Well 48-07-207—Continued			
Feb. 23, 1977	122.74		0.52
Jan. 19, 1978	122.22		.52
Jan. 24, 1979	117.03		5.19
Jan. 23, 1980	117.33Q	0.30	
Well 48-07-210			
Jan. 30, 1967	115.67		
Feb. 16, 1969	136.62	20.95	
Dec. 1, 1971	147.70	11.08	
Dec. 18, 1972	133.38		14.32
Dec. 28, 1973	142.79	9.41	
Jan. 15, 1975	172.14	29.35	
Feb. 22, 1977	148.16		23.98
Jan. 19, 1978	150.69	2.53	
Jan. 24, 1979	141.92		8.77
Jan. 23, 1980	131.80		10.12
Well 48-07-214			
Jan. 30, 1967	74.64		
Jan. 23, 1968	78.42	3.78	
Feb. 16, 1969	76.62		1.80
Jan. 6, 1970	81.51	4.89	
Feb. 18, 1971	84.25	2.74	
Dec. 1, 1971	88.12	3.87	
Dec. 19, 1972	83.92		4.20
Jan. 2, 1974	85.95	2.03	
Jan. 15, 1975	83.90		2.05
Feb. 4, 1976	89.59	5.69	
Feb. 23, 1977	90.82	1.23	
Jan. 19, 1978	92.68	1.86	
Jan. 24, 1979	88.90		3.78
Jan. 23, 1980	91.62	2.72	
Well 48-07-301			
Mar. 1948	44.60		
Sept. 28, 1948	46.45	1.85	
Feb. 3, 1949	46.15		.30
Sept. 22, 1949	47.53	1.38	
Jan. 3, 1950	46.54		.99
Feb. 21, 1950	46.51		.03
Nov. 1, 1950	50.09	3.58	
Feb. 5, 1951	49.42		.67
Feb. 7, 1952	51.20	1.78	
Jan. 28, 1953	53.08	1.88	
Jan. 22, 1954	55.81	2.73	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-301—Continued			
May 21, 1954	58.20	2.39	
Jan. 21, 1955	57.30		0.90
Jan. 20, 1956	58.34	1.04	
Jan. 16, 1958	62.29	3.95	
Jan. 25, 1960	64.58	2.29	
Feb. 6, 1961	65.08	.50	
Feb. 12, 1962	66.46	1.38	
Feb. 8, 1963	67.57	1.11	
Jan. 23, 1964	69.80	2.23	
Jan. 27, 1965	71.38	1.58	
Feb. 8, 1966	70.95		.43
Sept. 2, 1966	75.30	4.35	
Nov. 8, 1966	71.40		3.90
Jan. 30, 1967	70.26		1.14
Jan. 22, 1968	71.57	1.31	
Feb. 16, 1969	70.93		.64
Jan. 6, 1970	75.34	4.41	
Feb. 18, 1971	65.66		9.68
Dec. 19, 1972	77.39	11.73	
Dec. 28, 1973	86.56	9.17	
Jan. 14, 1975	78.94		7.62
Feb. 4, 1976	80.78	1.84	
Feb. 23, 1977	85.05	4.27	
Jan. 19, 1978	85.88	.83	
Jan. 31, 1979	83.96		1.92
Well 48-07-304			
Apr. 8, 1954	30.00		
June 3, 1954	31.60	1.60	
Jan. 25, 1960	36.50	4.90	
Feb. 6, 1961	37.19	.69	
Feb. 12, 1962	40.97	3.78	
Feb. 8, 1963	39.51*		1.46
Jan. 23, 1964	41.58*	2.07	
Jan. 27, 1965	42.42	.84	
Feb. 8, 1966	42.69	.27	
Sept. 12, 1966	45.28	2.59	
Nov. 8, 1966	42.76		2.52
Jan. 30, 1967	40.80		1.96
Jan. 22, 1968	42.88	2.08	
Feb. 16, 1969	40.64		2.24
Jan. 6, 1970	46.61	5.97	
Feb. 18, 1971	47.71		1.10
Dec. 2, 1971	54.48	6.77	
Dec. 19, 1972	48.96		5.52
Dec. 28, 1973	50.82	1.86	
Jan. 14, 1975	57.36	6.54	
Feb. 23, 1977	59.93	2.57	
Jan. 19, 1978	60.19	.26	
Jan. 24, 1979	58.52		1.67
Well 48-07-405			
Mar. 1948	130.30		
Nov. 12, 1948	130.45	.15	
Feb. 3, 1949	129.92		.53
Sept. 23, 1949	133.75	3.83	
Jan. 3, 1950	130.84		2.91
Feb. 5, 1951	131.40	.56	
Feb. 7, 1952	133.22	1.82	
Jan. 28, 1953	136.34	3.12	
Jan. 22, 1954	139.75	3.41	
Jan. 21, 1955	140.35	.60	
Jan. 20, 1956	141.53	1.18	
Jan. 25, 1957	142.76	1.23	
Jan. 15, 1958	145.80	3.04	
Jan. 25, 1960	147.19	1.39	
Feb. 6, 1961	147.27	.08	
Feb. 12, 1962	148.67	1.40	
Feb. 8, 1963	150.95	2.28	
Jan. 23, 1964	153.59	2.64	
Jan. 27, 1965	156.78	3.19	
Feb. 8, 1966	160.87	4.09	
Jan. 30, 1967	159.07		1.80
Jan. 23, 1968	160.55	1.48	
Feb. 15, 1969	160.88	.33	
Jan. 6, 1970	156.02*		4.86
Dec. 2, 1971	163.67	7.65	
Jan. 2, 1974	170.73*	7.06	
Jan. 15, 1975	162.17		8.56
Jan. 31, 1979	163.16	.99	
Well 48-07-414			
Jan. 23, 1964	203.61		
Jan. 27, 1965	198.90		4.71
Feb. 8, 1966	190.98		7.92
Jan. 23, 1968	191.03	.05	
Feb. 15, 1969	194.27	3.24	
Jan. 7, 1970	194.91	.64	
Feb. 18, 1971	202.89	7.98	
Dec. 2, 1971	214.50	11.61	
Dec. 18, 1972	196.50		18.00

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-414—Continued			
Jan. 15, 1975	198.70	2.20	
Feb. 5, 1976	201.72	3.02	
Jan. 23, 1978	195.22		6.50
Jan. 31, 1979	209.64	14.42	
Feb. 18, 1981	205.48		4.16
Well 48-07-418			
Jan. 30, 1967	202.05		
Jan. 23, 1968	202.80	.75	
Feb. 15, 1969	201.69		1.11
Jan. 6, 1970	205.53	3.84	
Feb. 18, 1971	206.99	1.46	
Dec. 1, 1971	210.98	3.99	
Dec. 18, 1972	208.50		2.48
Jan. 2, 1974	212.28	3.78	
Jan. 15, 1975	211.05		1.23
Feb. 5, 1976	216.86	5.81	
Feb. 22, 1977	219.95	3.09	
Jan. 23, 1978	216.07		3.88
Jan. 31, 1979	212.66		3.41
Jan. 24, 1980	212.52		.14
Well 48-07-501			
Mar. 1, 1948	62.50		
Sept. 28, 1948	63.47	.97	
Feb. 3, 1949	62.83		.64
Nov. 1, 1950	65.06	2.23	
Feb. 5, 1951	64.20		.86
Feb. 7, 1952	66.20	2.00	
Jan. 28, 1953	68.09	1.89	
Jan. 22, 1954	71.53	3.44	
May 25, 1954	83.20	11.67	
Jan. 21, 1955	73.13		10.07
Jan. 26, 1957	78.08	4.95	
Jan. 16, 1958	80.85	2.77	
Jan. 26, 1960	83.60	2.75	
Feb. 6, 1961	83.69	.09	
Feb. 8, 1963	85.75	2.06	
Jan. 23, 1964	88.16	2.41	
Jan. 27, 1965	90.38	2.22	
Jan. 9, 1966	89.20		1.18
Sept. 2, 1966	94.58	5.38	
Nov. 8, 1966	92.70		1.88
Jan. 30, 1967	90.73		1.97
Jan. 22, 1968	88.88		1.85
Feb. 15, 1969	90.63	1.75	
Jan. 7, 1970	92.44	1.81	
Feb. 23, 1971	100.45	8.01	
Dec. 2, 1971	94.05		6.40
Dec. 19, 1972	94.88	.83	
Jan. 2, 1974	97.79	2.91	
Jan. 15, 1975	95.95		1.84
Feb. 23, 1977	103.18	7.23	
Jan. 19, 1978	110.44	7.26	
Jan. 24, 1979	102.18		8.26
Well 48-07-502			
Aug. 5, 1948	47.00		
Aug. 8, 1948	52.45	5.45	
Nov. 8, 1948	49.11		3.34
Feb. 3, 1949	47.64		1.47
Sept. 22, 1949	51.67	4.03	
Nov. 24, 1949	48.74		2.93
Jan. 3, 1950	48.22		.52
Feb. 21, 1950	48.02		.20
Nov. 1, 1950	50.63	2.61	
Feb. 7, 1952	52.48	1.85	
Jan. 22, 1954	58.29	5.81	
Jan. 21, 1955	58.60	.31	
Jan. 20, 1956	64.07	5.47	
Jan. 26, 1957	60.59		3.48
Jan. 16, 1958	62.95	2.36	
Jan. 25, 1960	66.05	3.10	
Feb. 7, 1961	64.75		1.30
Feb. 12, 1962	66.24	1.49	
Jan. 23, 1964	73.51	7.27	
Jan. 27, 1965	71.37		2.14
Feb. 9, 1966	71.63	.26	
Sept. 2, 1966	82.67	11.04	
Nov. 8, 1966	71.03		11.64
Jan. 30, 1967	72.00	.97	
Jan. 23, 1968	76.33	4.33	
Feb. 15, 1969	70.65		5.68
Jan. 7, 1970	74.04	3.39	
Feb. 18, 1971	77.33	3.29	
Dec. 19, 1972	76.20		1.13
Jan. 2, 1974	78.97	2.77	
Jan. 15, 1975	86.56	7.59	
Feb. 5, 1976	84.47		2.09
Feb. 23, 1977	83.56		.91

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-502—Continued			
Jan. 19, 1978	85.30	1.74	
Jan. 24, 1979	81.19		4.11
Jan. 24, 1980	81.65Q	.46	
Well 48-07-504			
Mar. 11, 1948	73.75		
Aug. 17, 1948	76.70	2.95	
Nov. 28, 1948	75.72		.98
Feb. 3, 1949	76.72	1.00	
Aug. 16, 1949	79.42	2.70	
Nov. 24, 1949	75.98		3.44
Jan. 3, 1950	75.40		.58
Feb. 21, 1950	75.23		.17
Feb. 5, 1951	76.38	1.15	
Feb. 7, 1952	76.69	.31	
Jan. 28, 1953	81.37	4.68	
Jan. 22, 1954	84.44	3.07	
Jan. 21, 1955	85.46	1.02	
Jan. 20, 1956	87.66	2.20	
Jan. 26, 1957	88.90	1.24	
Jan. 16, 1958	91.00	2.10	
Jan. 25, 1960	93.12	2.12	
Feb. 6, 1961	92.97		.15
Feb. 12, 1962	93.10	.13	
Feb. 8, 1963	94.07	.97	
July 27, 1963	121.58	27.51	
Jan. 23, 1964	97.18		24.40
Jan. 27, 1965	97.82	.64	
Feb. 8, 1966	97.70		.12
Jan. 30, 1967	95.99		1.71
Jan. 22, 1968	97.92	1.93	
Feb. 15, 1969	95.83		2.09
Jan. 7, 1970	102.04	6.21	
Feb. 18, 1971	102.55	.51	
Dec. 2, 1971	112.99	10.44	
Dec. 19, 1972	109.07*		3.92
Jan. 2, 1974	114.69*	5.62	
Jan. 15, 1975	112.60		2.09
Jan. 19, 1978	112.54		.06
Jan. 24, 1979	109.88		2.66
Well 48-07-505			
Apr. 5, 1954	85.00		
Jan. 21, 1955	72.68	12.32	
Jan. 26, 1957	78.45	5.77	
Jan. 16, 1958	81.16	2.71	
Jan. 26, 1960	83.60	2.44	
Feb. 6, 1961	83.69	.09	
Feb. 8, 1963	86.14	2.45	
Jan. 23, 1964	88.50	2.36	
Jan. 27, 1965	94.90	6.40	
Jan. 8, 1966	89.35		5.55
Jan. 30, 1967	87.67		1.68
Jan. 22, 1968	91.10	3.43	
Feb. 15, 1969	89.64		1.46
Jan. 7, 1970	92.61	2.97	
Feb. 23, 1971	103.05	10.44	
Dec. 2, 1971	102.70		.35
Dec. 19, 1972	95.23		7.47
Jan. 2, 1974	97.98	2.75	
Jan. 15, 1975	96.00		1.98
Feb. 23, 1977	103.59	7.59	
Jan. 19, 1978	108.74	5.15	
Jan. 24, 1979	108.35		.39
Well 48-07-516			
Mar. 10, 1966	103.92		
Mar. 15, 1966	104.50	.58	
July 12, 1966	113.37	8.87	
Aug. 16, 1966	117.62	4.25	
Sept. 2, 1966	112.65		4.97
Oct. 12, 1966	105.27		7.38
Nov. 28, 1966	103.74		1.53
Dec. 8, 1966	102.91		.83
Jan. 25, 1967	100.84		2.07
Feb. 28, 1967	100.95	.11	
Apr. 14, 1967	108.38	7.43	
June 14, 1967	110.08	1.70	
Aug. 4, 1967	118.09	8.01	
Sept. 29, 1967	114.81		3.28
Oct. 15, 1967	111.24		3.57
Dec. 9, 1967	104.64		6.60
Feb. 15, 1968	101.81		2.83
Apr. 15, 1968	109.94	8.13	
June 15, 1968	116.02	6.08	
Aug. 15, 1968	122.51	6.49	
Oct. 10, 1968	113.62		8.89
Dec. 17, 1968	105.11		8.51
Feb. 14, 1969	102.16		2.95
Apr. 25, 1969	112.92	10.76	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-516—Continued			
June 26, 1969	124.10	11.18	
Aug. 14, 1969	127.50	3.40	
Sept. 16, 1969	123.96		3.54
Oct. 16, 1969	116.20		7.76
Nov. 18, 1969	111.77		4.43
Dec. 16, 1969	108.54		3.23
Jan. 6, 1970	106.37		2.17
Jan. 15, 1970	106.15		.22
Feb. 17, 1970	105.08		1.07
Mar. 17, 1970	104.79		.29
Apr. 15, 1970	110.33	5.54	
May 13, 1970	117.23	6.90	
June 17, 1970	123.65	6.42	
July 14, 1970	126.02	2.37	
Aug. 17, 1970	127.24	1.22	
Sept. 21, 1970	126.07		1.17
Oct. 15, 1970	120.47		5.60
Nov. 16, 1970	114.68		5.79
Dec. 14, 1970	111.07		3.61
Jan. 14, 1971	108.68		2.39
Feb. 18, 1971	107.77		.91
Mar. 12, 1971	108.31	.54	
Apr. 20, 1971	119.76	11.45	
May 19, 1971	125.81	6.05	
June 16, 1971	128.52	2.71	
July 19, 1971	131.53	3.01	
Sept. 15, 1971	131.79	.26	
Dec. 1, 1971	114.80		16.99
Feb. 9, 1972	108.75		6.05
Mar. 6, 1972	110.69	1.94	
Apr. 6, 1972	116.39	5.70	
June 8, 1972	124.30	7.91	
Aug. 3, 1972	131.01	6.71	
Oct. 4, 1972	118.08		12.93
Jan. 12, 1973	108.47		9.61
Apr. 18, 1973	111.31	2.84	
June 18, 1973	120.09	8.78	
Aug. 22, 1973	130.55	10.46	
Oct. 18, 1973	122.00		8.55
Dec. 28, 1973	114.79		7.21
June 10, 1974	133.04	18.25	
Sept. 18, 1974	132.47		.57
Jan. 14, 1975	112.40		20.07
Jan. 30, 1976	116.11	3.71	
Mar. 18, 1976	122.35	6.24	
May 10, 1976	135.45	13.10	
July 14, 1976	143.37	7.92	
Sept. 15, 1976	143.36		0.01
Dec. 20, 1976	122.79		20.57
Feb. 22, 1977	117.18		5.61
Jan. 19, 1978	117.26	.08	
Mar. 28, 1978	125.79	8.53	
June 21, 1978	144.48	18.69	
Sept. 20, 1978	146.49	2.01	
Dec. 19, 1978	119.03		27.46
Mar. 15, 1979	118.53		.50
Dec. 10, 1979	120.96	2.43	
Jan. 24, 1980	115.49		5.47
June 16, 1981	145.49	30.00	
Well 48-07-606			
Mar. 2, 1948	27.29		
Aug. 6, 1948	31.50	4.21	
Feb. 3, 1949	27.72		3.78
Nov. 24, 1949	28.35	.63	
Jan. 3, 1950	27.97		.38
Feb. 21, 1950	27.96		.01
Feb. 5, 1951	28.93	.97	
Feb. 7, 1952	30.86	1.93	
Jan. 28, 1953	33.09	2.23	
Jan. 22, 1954	36.01	2.92	
Jan. 21, 1955	37.50	1.49	
Jan. 20, 1956	38.79	1.29	
Jan. 26, 1957	40.02	1.23	
Jan. 16, 1958	42.55	2.53	
Jan. 25, 1960	44.56	2.01	
Feb. 6, 1961	45.04	.48	
Feb. 12, 1962	46.13	1.09	
Feb. 8, 1963	47.50	1.37	
Jan. 23, 1964	49.45	1.95	
Jan. 27, 1965	50.81	1.36	
Feb. 8, 1966	55.53	4.72	
Jan. 30, 1967	48.88		6.65
Jan. 23, 1968	51.50	2.62	
Feb. 16, 1969	50.08		1.42
Jan. 6, 1970	54.70	4.62	
Feb. 18, 1971	60.47	5.77	
Dec. 2, 1971	59.12		1.35
Dec. 19, 1972	56.42		2.70
Dec. 28, 1973	58.56	2.14	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-606—Continued			
Jan. 15, 1975	57.40		1.16
Feb. 4, 1976	61.36	3.96	
Feb. 23, 1977	64.19	2.83	
Jan. 19, 1978	64.64	.45	
Jan. 24, 1979	62.89		1.75
Jan. 23, 1980	77.81	14.92	
Well 48-07-607			
Jan. 26, 1960	35.43		
Feb. 6, 1961	35.27		.16
Feb. 12, 1962	37.67	2.40	
Feb. 8, 1963	38.12	.45	
Jan. 23, 1964	40.77	2.65	
Jan. 27, 1965	40.40		.37
Feb. 8, 1966	40.74	.34	
Sept. 2, 1966	43.66	2.92	
Nov. 8, 1966	39.80		3.86
Jan. 30, 1967	37.01		2.79
Jan. 22, 1968	40.00	2.99	
Feb. 15, 1969	38.56		1.44
Jan. 7, 1970	44.14	5.58	
Feb. 23, 1971	52.73	8.59	
Dec. 2, 1971	50.55		2.18
Dec. 20, 1972	46.22		4.33
Jan. 2, 1974	47.75	1.53	
Feb. 24, 1977	54.77	7.02	
Jan. 22, 1979	50.84		3.93
Jan. 23, 1980	55.61	4.77	
Well 48-07-706			
Jan. 23, 1964	110.88		
Jan. 27, 1965	110.60		.28
Feb. 8, 1966	111.32	.72	
Jan. 27, 1967	111.74	.42	
Jan. 23, 1968	112.62	.88	
Feb. 14, 1969	113.11	.49	
Jan. 7, 1970	122.78	9.67	
Feb. 18, 1971	126.04	3.26	
Dec. 3, 1971	123.80		2.24
Dec. 19, 1972	117.83		5.97
Jan. 2, 1974	120.07	2.24	
Jan. 16, 1975	101.50Q		18.57
Feb. 23, 1977	131.31	29.81	
Jan. 27, 1967	122.54		
Jan. 23, 1968	124.35	1.81	
Feb. 14, 1969	122.96		1.39
Jan. 7, 1970	127.13	4.17	
Dec. 3, 1971	135.30	8.17	
Dec. 19, 1972	131.47		3.83
Jan. 16, 1975	125.11		6.36
Feb. 5, 1976	129.75	4.64	
Feb. 23, 1977	127.41		2.34
Jan. 23, 1978	132.44	5.03	
Well 48-07-801			
Nov. 18, 1948	38.00		
Feb. 3, 1949	37.50		.50
Jan. 26, 1960	57.24	19.74	
Feb. 7, 1961	57.70	.46	
Feb. 12, 1962	58.52	.82	
Feb. 8, 1963	61.60	3.08	
Jan. 23, 1964	62.46	.86	
Feb. 9, 1966	62.38		.08
Jan. 30, 1967	60.40		1.98
Jan. 23, 1968	61.36	.96	
Feb. 14, 1969	60.07		1.29
Jan. 7, 1970	64.44	4.37	
Feb. 23, 1971	66.63	2.19	
Dec. 2, 1971	71.43	4.80	
Jan. 2, 1974	71.18		.25
Jan. 15, 1975	69.58		1.60
Feb. 22, 1977	70.02	.44	
Jan. 23, 1978	66.96		3.06
Feb. 17, 1981	77.00	10.04	
Well 48-07-803			
Jan. 28, 1953	65.45		
Jan. 22, 1954	68.35	2.90	
Jan. 21, 1955	70.35	2.00	
Jan. 20, 1956	71.83	1.48	
Jan. 26, 1957	73.00	1.17	
Jan. 16, 1958	76.00	3.00	
Jan. 26, 1960	78.75	2.75	
Feb. 6, 1961	78.52		.23
Feb. 12, 1962	78.69	.17	
Feb. 8, 1963	79.19	.50	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-07-803—Continued			
Jan. 27, 1965	83.69	4.50	
Feb. 28, 1966	82.50		1.19
Sept. 2, 1966	86.86	4.36	
Nov. 8, 1966	83.02		3.84
Jan. 27, 1967	81.30		1.72
Jan. 22, 1968	83.12	1.82	
Feb. 14, 1969	87.41	4.29	
Jan. 7, 1970	95.04	7.63	
Feb. 18, 1971	89.41		5.63
Dec. 2, 1971	100.00	10.59	
Dec. 19, 1972	92.12		7.88
Jan. 2, 1974	97.06	4.94	
Jan. 16, 1975	100.48	3.42	
Feb. 5, 1976	103.02	2.54	
Feb. 23, 1977	104.37	1.35	
Jan. 23, 1978	104.57	.20	
Jan. 23, 1979	102.13		2.44
Jan. 24, 1980	98.88		3.25
Well 48-07-901			
Nov. 19, 1959	35.15		
Feb. 6, 1961	35.38	.29	
Feb. 8, 1963	35.72	.34	
Jan. 23, 1964	38.96	3.24	
Jan. 27, 1965	40.01	1.05	
Feb. 8, 1966	39.89		.12
Jan. 30, 1967	38.12		1.77
Jan. 22, 1968	40.27	2.15	
Feb. 14, 1969	38.82		1.45
Jan. 7, 1970	43.00	4.18	
Feb. 23, 1971	51.49	8.49	
Dec. 2, 1971	51.82	.33	
Sept. 26, 1972	50.46		1.36
Dec. 19, 1972	45.84		4.62
Jan. 2, 1974	48.03	2.19	
Jan. 16, 1975	47.55		.48
Feb. 4, 1976	49.76	2.21	
Feb. 24, 1977	53.64	3.88	
Jan. 19, 1978	53.03		.61
Jan. 22, 1979	51.88		1.15
Jan. 24, 1980	55.67Q	3.79	
Feb. 17, 1981	53.55		2.12
Well 48-07-904			
Mar. 30, 1950	38.00		
Jan. 16, 1958	39.22	1.22	
Jan. 26, 1960	41.75	2.53	
Feb. 6, 1961	42.13	.38	
Feb. 12, 1962	43.40	1.27	
Feb. 8, 1963	45.70	2.30	
Jan. 23, 1964	46.58	.88	
Jan. 27, 1965	47.85	1.27	
Feb. 8, 1966	47.78		0.07
Jan. 23, 1968	48.03	.25	
Feb. 14, 1969	48.84	.81	
Jan. 7, 1970	54.02	5.18	
Feb. 23, 1971	51.11		2.91
Dec. 2, 1971	55.78	4.67	
Dec. 20, 1972	54.10		1.68
Jan. 2, 1974	45.65		8.45
Jan. 16, 1975	55.44	9.79	
Feb. 4, 1976	57.99	2.55	
Feb. 24, 1977	60.93	2.94	
Jan. 23, 1978	60.56		.37
Jan. 23, 1979	63.59	3.03	
Jan. 24, 1980	69.20	5.61	
Well 48-08-102			
Jan. 30, 1967	40.79		
Jan. 22, 1968	41.25	.46	
Feb. 16, 1969	42.33	1.08	
Jan. 6, 1970	54.42	12.09	
Feb. 18, 1971	55.15	.73	
Dec. 1, 1971	49.10		6.05
Dec. 19, 1972	47.04		2.06
Dec. 28, 1973	48.93	1.89	
Jan. 14, 1975	48.30		.63
Feb. 4, 1976	51.62	3.32	
Feb. 23, 1977	55.03	3.41	
Jan. 19, 1978	50.62		4.41
Jan. 31, 1979	49.39		1.23
Jan. 24, 1980	50.53	1.14	
Feb. 17, 1981	56.57	6.04	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-15-201			
Jan. 26, 1960	46.99		
Feb. 6, 1961	47.43	0.44	
Feb. 12, 1962	49.76	2.33	
Feb. 8, 1963	51.93*	2.17	
Jan. 27, 1965	52.95	1.02	
Feb. 9, 1966	52.24		0.71
Sept. 2, 1966	56.62	4.38	
Nov. 8, 1966	52.32		4.30
Jan. 27, 1967	50.77		1.55
Jan. 23, 1968	52.42	1.65	
Feb. 14, 1969	55.42	3.00	
Dec. 3, 1971	59.70	4.28	
Dec. 20, 1972	57.37		2.33
Jan. 7, 1974	59.46	2.09	
Jan. 16, 1975	49.78		9.68
Feb. 5, 1976	54.18	4.40	
Feb. 24, 1977	54.24	.06	
Jan. 23, 1978	52.47		1.77
Jan. 23, 1979	56.04	3.57	
Jan. 23, 1980	64.88	8.84	
Well 48-15-203			
Jan. 22, 1954	93.33		
Jan. 21, 1955	94.62	1.29	
Jan. 20, 1956	95.72	1.10	
Jan. 22, 1956	95.61		.11
Jan. 26, 1957	97.20	1.59	
Jan. 16, 1958	99.82	2.62	
Jan. 25, 1960	106.48	6.66	
Feb. 6, 1961	108.27	1.79	
Feb. 12, 1962	104.12		4.15
Feb. 8, 1963	112.62	8.50	
Jan. 27, 1965	111.71		.91
Feb. 8, 1966	112.75	1.04	
Sept. 2, 1966	111.92		.83
Nov. 8, 1966	102.87		9.05
Jan. 27, 1967	106.26	3.39	
Feb. 14, 1969	100.17		6.09
Jan. 7, 1970	107.89	7.72	
Feb. 18, 1971	103.81		4.08
Dec. 3, 1971	117.27	13.46	
Dec. 20, 1972	114.97		2.30
Jan. 7, 1974	124.00	9.03	
Jan. 16, 1975	115.49		8.51
Feb. 24, 1977	132.79*	17.30	
Well 48-15-203—Continued			
Jan. 23, 1978	133.30	0.51	
Jan. 23, 1979	142.44	9.14	
Jan. 23, 1980	127.06		15.38
Well 48-15-301			
Jan. 26, 1960	40.65		
Feb. 6, 1961	40.54		0.11
Feb. 12, 1962	40.76	0.22	
Feb. 8, 1963	44.60	3.84	
Jan. 23, 1964	46.28	1.68	
Feb. 9, 1965	45.91		.37
Jan. 27, 1967	44.56		1.35
Jan. 23, 1968	46.66	2.10	
Feb. 14, 1969	46.42		.24
Jan. 7, 1970	48.96	2.54	
Feb. 23, 1971	46.06		2.90
Dec. 3, 1971	53.72	7.66	
Dec. 20, 1972	51.54		2.18
Jan. 7, 1974	55.24	3.70	
Jan. 16, 1975	53.16		2.08
Feb. 4, 1976	59.49	6.33	
Feb. 24, 1977	60.85	1.36	
Jan. 23, 1978	59.35		1.50
Jan. 23, 1979	57.01		2.34
Jan. 23, 1980	59.44	2.43	
Feb. 17, 1981	65.69	6.25	
Well 48-15-302			
Jan. 23, 1964	33.75		
Feb. 9, 1966	34.77	1.02	
Sept. 2, 1966	38.38	3.61	
Nov. 8, 1966	34.29		4.09
Jan. 25, 1967	35.39	1.10	
Jan. 22, 1968	34.39		1.00
Feb. 14, 1969	39.10	4.71	
Jan. 7, 1970	37.38		1.72
Feb. 23, 1971	35.11		2.27
Dec. 3, 1971	42.78	7.67	
Dec. 20, 1972	40.33		2.45
Jan. 7, 1974	44.11Q	3.78	
Jan. 16, 1975	36.80Q		7.31
Feb. 4, 1976	46.58	9.78	
Feb. 24, 1977	55.07	8.49	
Jan. 19, 1978	51.04		4.03
Jan. 23, 1979	56.76	5.72	
Jan. 28, 1980	54.59		2.17

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-15-902			
Jan. 26, 1960	147.00		
Feb. 6, 1961	145.47		1.53
Feb. 12, 1962	142.02		3.45
Feb. 8, 1963	151.30	9.28	
Jan. 23, 1964	150.31		.99
Jan. 27, 1965	153.44	3.13	
Feb. 9, 1966	148.40		5.04
Jan. 27, 1967	145.80		2.60
Jan. 7, 1970	149.44	3.64	
Feb. 23, 1971	151.65	2.21	
Nov. 30, 1971	154.35	2.70	
Jan. 7, 1974	153.87		.48
Jan. 16, 1975	154.60	.73	
Feb. 24, 1977	156.81	2.21	
Jan. 24, 1979	160.84	4.03	
Feb. 17, 1981	157.67		3.17
Well 48-16-402			
Jan. 26, 1960	38.28		
Feb. 7, 1961	39.30	1.02	
Feb. 12, 1962	42.71	3.41	
Feb. 8, 1963	40.41		2.30
Jan. 23, 1964	41.66	1.25	
Jan. 27, 1965	41.67	.01	
Feb. 9, 1966	42.28	.61	
Sept. 12, 1966	41.68		.60
Nov. 8, 1966	40.72		.96
Jan. 27, 1967	43.73	3.01	
Jan. 22, 1968	41.76		1.97
Feb. 15, 1969	42.32	.56	
Jan. 7, 1970	43.38	1.06	
Dec. 3, 1971	44.70	1.32	
Dec. 20, 1972	44.94	.24	
Jan. 7, 1974	57.46	12.52	
Jan. 16, 1975	46.83		10.63
Feb. 4, 1976	57.16	10.33	
Feb. 24, 1977	59.22	2.06	
Jan. 23, 1978	52.73		6.49
Jan. 22, 1979	51.40		1.33
Jan. 28, 1980	55.29	3.89	
Feb. 17, 1981	61.75	6.46	
Well 48-16-702			
Jan. 26, 1960	57.35		
Feb. 7, 1961	58.29	.94	
Feb. 12, 1962	61.70	3.41	
Feb. 8, 1963	62.72	1.02	
Jan. 23, 1964	64.90	2.18	
Jan. 27, 1965	66.26	1.36	
Feb. 9, 1966	66.54	.28	
Jan. 27, 1967	66.68	.14	
Jan. 7, 1970	69.32	2.64	
Feb. 23, 1971	67.35		1.97
Dec. 20, 1972	71.87	4.52	
Jan. 7, 1974	73.62	1.75	
Jan. 16, 1975	69.79		3.83
Feb. 24, 1977	72.82	3.03	
Jan. 23, 1978	69.31		3.51
Jan. 22, 1979	78.25	8.94	
Jan. 28, 1980	77.08		1.17
Well 48-41-202			
Mar. 9, 1953	9.65		
Jan. 19, 1954	10.17	.52	
Jan. 30, 1955	14.00	3.83	
Jan. 31, 1956	15.13	1.13	
Jan. 21, 1957	16.29	1.16	
Jan. 28, 1958	18.11	1.82	
Jan. 19, 1959	14.33		3.78
Jan. 29, 1960	10.72		3.61
Feb. 23, 1961	9.13		1.59
Dec. 4, 1961	9.40	.27	
Dec. 13, 1962	9.66	.26	
Dec. 14, 1964	13.13	3.47	
Feb. 10, 1966	15.07	1.94	
Dec. 28, 1966	11.68		3.39
Jan. 12, 1968	12.12	.44	
Feb. 13, 1969	10.14		1.98
Jan. 9, 1970	9.00		1.14
Mar. 4, 1971	8.95		.05
Nov. 30, 1971	9.33	.38	
Dec. 8, 1972	10.21	.88	
Nov. 6, 1973	7.66		2.55
Jan. 13, 1975	7.05		.61
Feb. 6, 1976	8.45	1.40	
Jan. 14, 1977	7.08		1.37
Feb. 9, 1977	7.52	.44	
Dec. 6, 1977	9.68	2.16	
Jan. 14, 1978	9.78	.10	
Sept. 11, 1978	12.90	3.12	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Hudspeth County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 48-41-202—Continued			
Feb. 6, 1979	8.90		4.00
Aug. 7, 1979	8.14		.76
Feb. 5, 1980	7.72		.42
Feb. 10, 1981	8.87	1.15	
Well 48-41-218			
Feb. 27, 1962	9.23		
Nov. 12, 1973	5.76		3.47
Mar. 27, 1978	16.90	11.14	
Sept. 11, 1978	9.52		7.38
Feb. 6, 1979	9.08		.44
Aug. 7, 1979	7.05		2.03
Feb. 5, 1980	8.60	1.55	
Feb. 10, 1981	7.63		.97

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Jeff Davis County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-19-101			
Apr. 18, 1950	134.00		
May 2, 1950	134.49	0.49	
Feb. 28, 1951	137.66	3.17	
Mar. 7, 1952	141.50	3.84	
Jan. 26, 1953	147.85	6.35	
Jan. 23, 1954	148.60	.75	
Jan. 24, 1955	152.35	3.75	
Jan. 19, 1956	153.82	1.47	
Jan. 29, 1957	159.46	5.64	
Jan. 17, 1958	164.35	4.89	
Jan. 27, 1960	165.25	.90	
Feb. 10, 1961	168.42	3.17	
Feb. 10, 1962	170.29	1.87	
Feb. 7, 1963	175.10	4.81	
Jan. 24, 1964	176.60	1.50	
Jan. 27, 1965	176.10		0.50
Feb. 17, 1966	176.32	.22	
Jan. 12, 1967	177.24	.92	
Jan. 15, 1968	177.22		.02
Feb. 9, 1969	104.01Q		73.21
Jan. 26, 1970	177.84	73.83	
Jan. 15, 1971	156.50		21.34
Dec. 7, 1971	171.00	14.50	
Dec. 7, 1972	141.86		29.14
Dec. 18, 1973	175.80	33.94	
Jan. 14, 1975	165.40		10.40
Jan. 29, 1976	156.69		8.71
Feb. 16, 1977	144.72		11.97
Jan. 10, 1978	146.34	1.62	
Jan. 11, 1979	99.85		46.49
Jan. 18, 1980	105.04	5.19	
Feb. 5, 1981	107.42	2.38	
Well 51-19-104			
May 2, 1950	136.35		
May 10, 1950	136.51	.16	
Feb. 28, 1951	137.07	.56	
Jan. 23, 1954	151.64	14.57	
Jan. 24, 1955	154.42	2.78	
Jan. 19, 1956	156.07	1.65	
Jan. 29, 1957	162.47	6.40	
Jan. 17, 1958	168.98	6.51	
Jan. 27, 1960	166.70		2.28
Feb. 10, 1961	169.28	2.58	
Feb. 10, 1962	182.48	13.20	
Well 51-19-104—Continued			
Jan. 24, 1964	191.00	8.52	
Feb. 17, 1966	183.95		7.05
Jan. 12, 1967	189.50Q	5.55	
Jan. 15, 1968	198.70Q	9.20	
Feb. 9, 1969	197.40		1.30
Jan. 26, 1970	173.74		23.66
Jan. 15, 1971	192.13	18.39	
Dec. 7, 1971	198.62Q	6.49	
Dec. 18, 1973	214.50	15.88	
Jan. 14, 1975	222.20	7.70	
Jan. 29, 1976	213.53		8.67
Feb. 16, 1977	218.14	4.61	
Jan. 10, 1978	224.61	6.47	
Jan. 11, 1979	204.45		20.16
Jan. 18, 1980	204.12		.33
Well 51-19-203			
Feb. 28, 1951	159.30		
Mar. 7, 1952	161.25	1.95	
Jan. 27, 1953	165.57	4.32	
Jan. 24, 1954	169.57	4.00	
Jan. 23, 1955	172.34	2.77	
Jan. 19, 1956	175.20	2.86	
Jan. 29, 1957	176.70	1.50	
Jan. 17, 1958	181.77	5.07	
Jan. 27, 1960	194.90	13.13	
Feb. 10, 1961	187.32		7.58
Feb. 10, 1962	190.43	3.11	
Feb. 7, 1963	192.21	1.78	
Jan. 24, 1964	194.12	1.91	
Jan. 27, 1965	201.96	7.84	
Jan. 12, 1967	198.46		3.50
Jan. 15, 1968	199.94	1.48	
Feb. 9, 1969	202.65	2.71	
Jan. 26, 1970	203.55	.90	
Jan. 15, 1971	207.63	4.08	
Dec. 7, 1972	207.88	.25	
Dec. 18, 1973	209.82	1.94	
Jan. 14, 1975	211.34	1.52	
Jan. 29, 1976	213.98	2.64	
Feb. 16, 1977	217.09	3.11	
Jan. 10, 1978	219.14	2.05	
Jan. 11, 1979	216.87		2.27
Jan. 18, 1980	217.06	.19	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Jeff Davis County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 51-19-301			
June 13, 1950	197.29		
Feb. 28, 1951	198.48	1.19	
Jan. 27, 1953	206.63	8.15	
Jan. 24, 1954	210.55	3.92	
Jan. 23, 1955	213.25	2.70	
Jan. 19, 1956	216.09	2.84	
Jan. 29, 1957	219.26	3.17	
Jan. 17, 1958	222.27	3.01	
Feb. 10, 1961	228.32	6.05	
Feb. 10, 1962	230.82	2.50	
Jan. 24, 1964	234.68	3.86	
Jan. 27, 1965	237.00	2.32	
Feb. 17, 1966	238.30	1.30	
Jan. 12, 1967	239.45	1.15	
Feb. 9, 1969	242.04	2.59	
Jan. 26, 1970	243.34	1.30	
Jan. 15, 1971	244.83	1.49	
Dec. 7, 1971	251.28Q	6.45	
Dec. 7, 1972	245.55		5.73
Dec. 18, 1973	249.13	3.58	
Jan. 14, 1975	251.12	1.99	
Jan. 29, 1976	253.64	2.52	
Feb. 16, 1977	251.11		2.53
Jan. 10, 1978	252.68	1.57	
Jan. 11, 1979	259.96	7.28	
Jan. 18, 1980	260.02	.06	
Feb. 5, 1981	259.66		.36
Well 51-19-902			
Jan. 24, 1955	109.35		
Feb. 17, 1956	108.51		.84
Jan. 31, 1957	109.79	1.28	
Jan. 14, 1958	110.53	.74	
Feb. 12, 1961	110.48		.05
Feb. 13, 1962	111.77	1.29	
Jan. 25, 1964	112.30	.53	
Jan. 12, 1967	111.53		.77
Jan. 18, 1968	111.78	.25	
Jan. 26, 1970	112.15	.37	
Jan. 15, 1971	110.30		1.85
Dec. 7, 1971	115.34	5.04	
Dec. 7, 1972	114.82		.52
Dec. 18, 1973	113.00		1.82
Jan. 14, 1975	113.45	.45	
Jan. 29, 1976	113.88	.43	
Feb. 16, 1977	121.33	7.45	
Jan. 10, 1978	123.12	1.79	
Jan. 11, 1979	116.47		6.65
Jan. 18, 1980	115.13		1.34
Feb. 5, 1981	117.26	2.13	
Well 51-27-302			
Jan. 24, 1955	78.31		
Feb. 17, 1956	79.75	1.44	
Jan. 31, 1957	80.06	.31	
Jan. 14, 1958	83.85	3.79	
Feb. 12, 1961	80.57		3.28
Feb. 13, 1962	81.45	.88	
Jan. 25, 1964	77.49		3.96
Jan. 27, 1965	80.62	3.13	
Mar. 1, 1966	77.14		3.48
Jan. 12, 1967	77.06		.08
Jan. 18, 1968	78.12	1.06	
Feb. 9, 1969	80.78	2.66	
Jan. 26, 1970	77.37		3.41
Jan. 15, 1971	77.69	.32	
Dec. 7, 1971	76.92		.77
Dec. 7, 1972	74.70		2.22
Dec. 18, 1973	71.32		3.38
Jan. 14, 1975	68.97		2.35
Jan. 29, 1976	62.18		6.79
Feb. 16, 1977	63.35	1.17	
Jan. 10, 1978	72.18	8.83	
Jan. 11, 1979	71.70		.48
Jan. 18, 1980	68.52		3.18
Well 51-27-605			
Jan. 24, 1955	78.51		
Feb. 17, 1956	80.35	1.84	
Well 52-02-403			
May 14, 1969	44.70		
Mar. 18, 1970	57.30*	12.60	
Dec. 7, 1971	54.49		2.81
Dec. 8, 1972	39.78		14.71
Jan. 16, 1975	33.53		6.25
Jan. 28, 1976	59.51	25.98	
Feb. 17, 1977	52.27		7.24
Feb. 21, 1979	50.39		1.88
Jan. 16, 1980	51.14	.75	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Jeff Davis County—Continued

Date	Measurement	Change in water level from previous measurement	
		Decline	Rise
Well 52-26-101			
Jan. 6, 1967	10.40		
Jan. 4, 1968	10.96	0.56	
Feb. 10, 1969	11.33	.37	
Jan. 26, 1970	11.30		0.03
Feb. 12, 1971	11.00		.30
Dec. 7, 1971	11.07	.07	
Dec. 8, 1972	10.68		.39
Jan. 16, 1975	11.17	.49	
Jan. 28, 1976	10.74		.43
Feb. 16, 1977	10.61		.13
Jan. 10, 1978	9.76		.85
Jan. 9, 1979	10.70	.94	
Jan. 16, 1980	11.07	.37	
Feb. 5, 1981	10.56		.51
Well 52-26-102			
Jan. 6, 1967	28.10		
Jan. 4, 1968	28.26	0.16	
Feb. 10, 1969	27.90		0.36
Jan. 26, 1970	31.35	3.45	
Feb. 12, 1971	30.08		1.27
Dec. 7, 1971	34.74*	4.66	
Dec. 8, 1972	30.57		4.17
Jan. 16, 1975	30.30		.27
Jan. 28, 1976	30.82	.52	
Feb. 16, 1977	31.63	.81	
Jan. 10, 1978	29.92		1.71
Jan. 16, 1980	29.23		.69
Feb. 5, 1981	30.49	1.26	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Loving County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-01-202			
Oct. 17, 1974	42.70		
Well 46-01-301			
Oct. 17, 1974	78.50		
Nov. 12, 1975	74.15		4.35
Nov. 10, 1976	73.00*		1.15
Nov. 12, 1977	83.65*	10.65	
Nov. 1, 1978	54.00		29.65
Jan. 9, 1980	68.36	14.36	
Feb. 3, 1981	73.42	5.06	
Well 46-02-304			
Oct. 18, 1974	183.00		
Nov. 12, 1975	184.45	1.45	
Nov. 10, 1976	181.27		3.18
Nov. 12, 1977	181.08		.19
Nov. 1, 1978	186.40	5.32	
Jan. 9, 1980	184.21		2.19
Feb. 3, 1981	188.08	3.87	
Well 46-02-603			
Oct. 17, 1974	139.82		
Nov. 12, 1975	146.50*	6.68	
Nov. 10, 1976	127.74		18.76
Well 46-02-604			
Oct. 17, 1974	132.78		
Nov. 12, 1975	138.25	5.47	
Nov. 10, 1976	131.35		6.90
Well 46-11-501			
Oct. 17, 1974	53.49		
Nov. 12, 1975	59.00	5.51	
Nov. 10, 1976	53.88		5.12
Nov. 12, 1977	56.00	2.12	
Nov. 1, 1978	56.20	.20	
Jan. 10, 1980	53.73		2.47
Well 46-12-402			
Sept. 1, 1939	138.94		
Sept. 12, 1940	140.37	1.43	
Mar. 20, 1941	139.02		1.35
May 13, 1941	139.47	.45	
Dec. 1, 1960	135.15		4.32
Well 46-12-402—Continued			
Oct. 16, 1974	138.02	2.87	
Oct. 16, 1974	138.02		
Nov. 12, 1975	137.05		0.97
Nov. 10, 1976	138.37	1.32	
Nov. 12, 1977	132.23		6.14
Nov. 1, 1978	137.91	5.68	
Jan. 10, 1980	136.87		1.04
Well 46-12-502			
Oct. 17, 1974	187.46		
Nov. 13, 1975	192.60	5.14	
Nov. 10, 1976	194.80	2.20	
Nov. 11, 1977	188.98		5.82
Nov. 1, 1978	197.94Q	8.96	
Jan. 9, 1980	199.03*	1.09	
Well 46-12-802			
Oct. 21, 1974	172.39		
Nov. 13, 1975	147.00		25.39
Nov. 10, 1976	143.95		3.05
Nov. 11, 1977	147.53	3.58	
Nov. 1, 1978	147.25		.28
Jan. 9, 1980	151.34*	4.09	
Jan. 16, 1981	158.98	7.64	
Well 46-13-103			
Oct. 21, 1974	165.10		
Nov. 13, 1975	169.45Q	4.35	
Well 46-13-401			
Oct. 21, 1974	193.50		
Well 46-20-403			
Feb. 27, 1940	12.53		
June 28, 1940	13.62	1.09	
Aug. 8, 1940	12.88		.74
Sept. 11, 1940	13.01	.13	
Dec. 7, 1940	13.41	.40	
Mar. 31, 1941	12.88		.53
Dec. 1, 1960	9.70		3.18
Sept. 10, 1963	10.93	1.23	
Dec. 3, 1964	13.20	2.27	
Dec. 6, 1965	14.20	1.00	
Dec. 10, 1966	13.94		.26

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Loving County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-20-403—Continued			
Nov. 27, 1967	14.20	0.26	
Dec. 9, 1968	13.48		0.72
Dec. 9, 1969	13.51	.03	
Feb. 17, 1971	13.46		.05
Dec. 4, 1971	12.40		1.06
Dec. 11, 1972	12.73	.33	
Oct. 16, 1974	12.19		.54
Nov. 13, 1975	13.08	.89	
Nov. 10, 1976	12.56		.52
Nov. 12, 1977	14.01	1.45	
Nov. 1, 1978	11.79		2.22
Jan. 9, 1980	12.00	0.21	
Jan. 16, 1981	10.52		1.48
Well 46-22-401			
Oct. 21, 1974	97.05		
Nov. 10, 1976	91.30Q		5.75
Nov. 11, 1977	93.90	2.60	
Nov. 1, 1978	91.78		2.12
Jan. 16, 1981	96.26	4.48	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-43-701			
Oct. 25, 1946	15.82		
Dec. 5, 1946	16.38	0.56	
Jan. 30, 1947	16.77	.39	
Mar. 4, 1948	18.30	1.53	
May 6, 1948	18.29		0.01
Sept. 15, 1948	23.53	5.24	
Nov. 8, 1948	20.22		3.31
Mar. 8, 1949	20.70	.48	
Mar. 4, 1950	21.28	.58	
Jan. 27, 1952	21.31	.03	
Dec. 8, 1952	22.43	1.12	
Dec. 6, 1953	23.65	1.22	
Dec. 2, 1954	22.67		.98
Dec. 7, 1955	19.50		3.17
Dec. 13, 1956	20.11	.61	
Apr. 15, 1957	20.54	.43	
May 16, 1957	20.54		
June 19, 1957	20.10		.44
July 15, 1957	20.19	.09	
Aug. 16, 1957	20.36	.17	
Sept. 18, 1957	20.21		.15
Oct. 15, 1957	20.37	.16	
Nov. 19, 1957	20.40	.03	
Dec. 20, 1957	20.49	.09	
Jan. 22, 1958	20.62	.13	
Mar. 18, 1958	20.78	.16	
Jan. 26, 1959	21.38	.60	
Well 45-43-702			
Sept. 26, 1946	25.90		
Dec. 12, 1946	23.61		2.29
Jan. 30, 1947	22.68		.93
Apr. 30, 1947	40.30*	17.62	
June 5, 1947	23.10		17.20
June 6, 1947	39.54*	16.44	
Mar. 4, 1948	23.65		15.89
Nov. 8, 1948	25.25	1.60	
Nov. 12, 1952	27.30	2.05	
Well 45-43-802			
Oct. 22, 1946	10.66		
Dec. 12, 1946	10.26		.40
Jan. 30, 1947	10.52	.26	
Nov. 10, 1948	12.76	2.24	
Mar. 9, 1949	13.41	.65	
Mar. 6, 1950	13.55	0.14	
Jan. 27, 1952	13.44		0.11
Dec. 7, 1952	14.58	1.14	
Dec. 6, 1953	16.06	1.48	
Dec. 2, 1954	15.44		.62
Dec. 7, 1955	13.39		2.05
Dec. 13, 1956	13.20		.19
Apr. 15, 1957	13.95	.75	
May 16, 1957	13.86		.09
June 19, 1957	13.53		.33
July 15, 1957	13.74	.21	
Aug. 16, 1957	13.97	.23	
Sept. 18, 1957	13.52		.45
Oct. 15, 1957	13.89	.37	
Nov. 19, 1957	13.97	.08	
Dec. 20, 1957	14.08	.11	
Jan. 22, 1958	14.22	.14	
Jan. 28, 1959	15.28	1.06	
Well 45-49-201			
Mar. 2, 1950	18.80		
Jan. 13, 1961	80.35	61.55	
Feb. 7, 1962	88.35*	8.00	
Feb. 7, 1963	97.05	8.70	
Feb. 4, 1964	103.62	6.57	
Jan. 21, 1965	111.33	7.71	
Jan. 20, 1966	117.70	6.37	
Feb. 7, 1967	118.50	.80	
Jan. 26, 1968	116.58		1.92
Feb. 2, 1970	99.24		17.34
Jan. 4, 1971	1.70		97.54
Dec. 10, 1971	96.07	94.37	
Jan. 8, 1974	83.93		12.14
Jan. 17, 1975	64.40		19.53
Jan. 29, 1976	64.33		.07
Feb. 16, 1977	48.80Q		15.53
Jan. 11, 1978	47.68Q		1.12
Jan. 10, 1979	49.13Q	1.45	
Well 45-49-301			
Jan. 19, 1955	23.33		
Dec. 6, 1955	24.55	1.22	
Nov. 26, 1956	25.91	1.36	
Dec. 12, 1956	25.65		.26
Aug. 19, 1957	25.65		

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-49-301—Continued			
Sept. 20, 1957	26.10	0.45	
Oct. 16, 1957	25.32		0.78
Nov. 18, 1957	26.25	.93	
Dec. 16, 1957	26.05		.20
Feb. 28, 1958	23.84		2.21
Mar. 17, 1958	25.41	1.57	
Apr. 17, 1958	25.14		.27
May 19, 1958	25.20	.06	
Aug. 20, 1958	26.40	1.20	
Sept. 20, 1958	27.07	.67	
Jan. 26, 1959	26.45		.62
Feb. 7, 1962	28.88	2.43	
Feb. 4, 1964	27.82		1.06
Feb. 7, 1967	28.43	.61	
Jan. 26, 1968	27.60		.83
Feb. 4, 1969	31.22	3.62	
Feb. 3, 1970	32.07	.85	
Jan. 4, 1971	33.08	1.01	
Dec. 13, 1971	37.17*	4.09	
Dec. 7, 1972	32.94*		4.23
Jan. 8, 1974	30.74		2.20
Jan. 17, 1975	26.14		4.60
Jan. 29, 1976	24.08		2.06
Feb. 16, 1977	30.44	6.36	
Jan. 11, 1979	24.39		6.05
Jan. 9, 1980	24.08		.31
Jan. 14, 1981	24.26	.18	
Well 45-49-401			
June 6, 1957	115.50		
July 16, 1957	119.70	4.20	
Aug. 19, 1957	143.40	23.70	
Sept. 20, 1957	150.70	7.30	
Oct. 16, 1957	138.33		12.37
Nov. 18, 1957	127.82		10.51
Dec. 16, 1957	115.64		12.18
Jan. 17, 1958	120.76	5.12	
Feb. 28, 1958	120.31		.45
Mar. 17, 1958	120.34	.03	
Apr. 17, 1958	128.66	8.32	
May 19, 1958	130.42	1.76	
June 25, 1958	136.02	5.60	
July 26, 1958	147.66	11.64	
Aug. 26, 1958	154.34	6.68	
Sept. 20, 1958	163.55	9.21	
Jan. 20, 1959	127.62		35.93
Jan. 12, 1961	138.40	10.78	
Feb. 6, 1962	139.79	1.39	
Feb. 7, 1963	145.49	5.70	
Feb. 4, 1964	148.18	2.69	
Jan. 21, 1965	140.32		7.86
Jan. 20, 1966	135.07		5.25
Feb. 7, 1967	129.68		5.39
Jan. 26, 1968	132.84	3.16	
Feb. 4, 1969	129.55		3.29
Feb. 3, 1970	128.68		.87
Jan. 4, 1971	130.64	1.96	
Dec. 10, 1971	130.28		.36
Dec. 5, 1972	134.35	4.07	
Jan. 8, 1974	136.37	2.02	
Jan. 17, 1975	136.82	.45	
Jan. 29, 1976	135.80		1.02
Feb. 15, 1977	146.35	10.55	
Well 45-57-601			
Sept. 20, 1958	75.54		
Jan. 26, 1959	75.20		.34
Jan. 13, 1961	75.39	.19	
Feb. 7, 1962	76.44*	1.05	
Feb. 7, 1963	84.09	7.65	
Feb. 4, 1964	92.80	8.71	
Jan. 21, 1965	90.26		2.54
Jan. 20, 1966	97.68	7.42	
Feb. 7, 1967	93.82		3.86
Feb. 26, 1968	94.82	1.00	
Feb. 4, 1969	95.30	.48	
Feb. 3, 1970	85.86		9.44
Jan. 4, 1971	95.60	9.74	
Dec. 13, 1971	107.84	12.24	
Dec. 7, 1972	91.08		16.76
Jan. 8, 1974	91.62	.54	
Jan. 17, 1975	92.10	.48	
Jan. 30, 1976	90.98		1.12
Feb. 16, 1977	88.08		2.90
Jan. 11, 1978	88.49	.41	
Well 45-61-601			
Dec. 18, 1946	116.80		
May 29, 1957	118.65	1.85	
Jan. 4, 1961	116.30		2.35

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-61-601—Continued			
Feb. 7, 1962	123.34	7.04	
Feb. 4, 1963	129.27*	5.93	
Jan. 20, 1965	100.35		28.92
Jan. 21, 1966	118.24	17.89	
Feb. 6, 1967	111.05		7.19
Jan. 29, 1968	116.24	5.19	
Feb. 14, 1969	103.24		13.00
Feb. 5, 1970	138.83*	35.59	
Dec. 30, 1970	135.06*		3.77
Dec. 13, 1971	135.49	.43	
Dec. 8, 1972	140.60	5.11	
Jan. 15, 1975	124.40		16.20
Jan. 27, 1976	125.62	1.22	
Feb. 15, 1977	126.20	.58	
Jan. 10, 1978	124.79		1.41
Jan. 9, 1979	121.40		3.39
Jan. 8, 1980	126.42	5.02	
Jan. 14, 1981	123.05		3.37
Well 45-61-701			
July 25, 1957	88.65		
Feb. 5, 1958	73.50		15.15
Jan. 19, 1961	74.84	1.34	
Feb. 7, 1962	72.70*		2.14
Feb. 4, 1963	79.50	6.80	
Feb. 6, 1964	82.26*	2.76	
Jan. 20, 1965	80.97		1.29
Jan. 21, 1966	83.25	2.28	
Feb. 6, 1967	97.34*	14.09	
Jan. 29, 1968	98.10	.76	
Feb. 14, 1969	82.17		15.93
Feb. 4, 1970	84.71	2.54	
Dec. 30, 1970	97.51	12.80	
Dec. 13, 1971	101.59	4.08	
Dec. 8, 1972	107.80*	6.21	
Jan. 15, 1975	89.80		18.00
Jan. 27, 1976	88.95		.85
Feb. 15, 1977	80.63		8.32
Jan. 10, 1978	73.98		6.65
Jan. 9, 1979	71.01		2.97
Jan. 8, 1980	76.67	5.66	
Jan. 14, 1981	74.48		2.19
Well 45-62-901			
Jan. 19, 1961	78.55		
Feb. 6, 1964	81.09	2.54	
Jan. 20, 1965	87.87	6.78	
Jan. 21, 1966	93.82	5.95	
Feb. 6, 1967	94.70	.88	
Jan. 29, 1968	91.94		2.76
Feb. 14, 1969	93.63	1.69	
Feb. 5, 1970	90.23		3.40
Dec. 6, 1971	90.54	.31	
Dec. 8, 1972	84.71		5.83
Jan. 15, 1975	62.10		22.61
Jan. 27, 1976	63.65	1.55	
Jan. 9, 1979	57.66		5.99
Jan. 8, 1980	62.07	4.41	
Jan. 14, 1981	60.22		1.85
Well 45-63-701			
Dec. 9, 1946	53.58		
Mar. 6, 1948	53.97	.39	
Dec. 23, 1948	56.06	2.09	
Feb. 27, 1950	59.07	3.01	
Feb. 29, 1950	59.07		
Mar. 21, 1951	69.10	10.03	
Mar. 21, 1957	69.10		
Feb. 14, 1958	84.88	15.78	
Jan. 4, 1961	87.18	2.30	
Feb. 5, 1962	87.61	.43	
Feb. 4, 1963	85.24*		2.37
Feb. 6, 1964	90.10*	4.86	
Jan. 20, 1965	93.14	3.04	
Jan. 21, 1966	93.11		.03
Feb. 6, 1967	103.40*	10.29	
Jan. 29, 1968	95.18		8.22
Feb. 14, 1969	96.82	1.64	
Feb. 4, 1970	98.32*	1.50	
Dec. 30, 1970	93.01		5.31
Dec. 6, 1971	89.21		3.80
Dec. 8, 1972	90.90	1.69	
Jan. 15, 1975	66.80		24.10
Jan. 27, 1976	69.70	2.90	
Feb. 15, 1977	70.19	.49	
Jan. 10, 1978	66.92		3.27

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-63-701—Continued			
Jan. 9, 1979	62.17		4.75
Jan. 8, 1980	62.85	0.68	
Well 46-48-502			
Jan. 17, 1961	160.38		
Feb. 7, 1963	186.64	26.26	
Feb. 4, 1964	207.60*	20.96	
Jan. 21, 1965	225.67*	18.07	
Jan. 20, 1966	218.10		7.57
Feb. 7, 1967	230.34	12.24	
Jan. 28, 1968	225.18		5.16
Feb. 4, 1969	245.22	20.04	
Feb. 3, 1970	246.64*	1.42	
Jan. 4, 1971	249.07	2.43	
Dec. 10, 1971	245.51		3.56
Dec. 5, 1972	242.83		2.68
Jan. 8, 1974	235.56		7.27
Jan. 9, 1980	271.69	36.13	
Well 46-48-602			
Jan. 15, 1957	41.57		
Jan. 20, 1959	54.87	13.30	
Jan. 12, 1961	71.25	16.38	
Feb. 7, 1963	79.90	8.65	
Feb. 4, 1964	118.32	38.42	
Jan. 21, 1965	111.32		7.00
Jan. 20, 1966	91.17		20.15
Feb. 7, 1967	95.65	4.48	
Jan. 28, 1968	86.70		8.95
Feb. 4, 1969	88.27	1.57	
Feb. 3, 1970	76.32		11.95
Jan. 5, 1971	77.55	1.23	
Dec. 10, 1971	97.56	20.01	
Dec. 5, 1972	92.68		4.88
Jan. 8, 1974	92.17		.51
Jan. 17, 1975	104.68	12.51	
Jan. 29, 1976	128.51	23.83	
Feb. 15, 1977	94.05		34.46
Jan. 11, 1978	88.72		5.33
Jan. 10, 1979	92.60	3.88	
Jan. 14, 1981	80.27		12.33
Well 46-48-801			
Jan. 28, 1958	189.25		
Jan. 23, 1959	197.92	8.67	
Jan. 12, 1961	216.76	18.84	
Feb. 6, 1962	216.06		0.70
Feb. 7, 1963	224.38	8.32	
Feb. 4, 1964	230.71	6.33	
Jan. 21, 1965	250.85	20.14	
Jan. 21, 1966	242.96		7.89
Feb. 7, 1967	252.77	9.81	
Jan. 28, 1968	248.54		4.23
Feb. 4, 1969	252.45	3.91	
Feb. 3, 1970	248.70		3.75
Jan. 5, 1971	251.87	3.17	
Dec. 10, 1971	259.73	7.86	
Dec. 5, 1972	260.42	.69	
Jan. 8, 1974	277.90	17.48	
Jan. 17, 1975	264.17		13.73
Jan. 29, 1976	263.48		.69
Feb. 15, 1977	257.93		5.55
Jan. 11, 1978	245.59		12.34
Well 46-48-802			
Jan. 20, 1959	64.20		
Jan. 12, 1961	77.90	13.70	
Feb. 6, 1962	80.43	2.53	
Feb. 7, 1963	88.55*	8.12	
Feb. 4, 1964	89.52	.97	
Jan. 21, 1965	93.50	3.98	
Jan. 20, 1966	93.65	.15	
Feb. 7, 1967	141.26*	47.61	
Jan. 28, 1968	136.17		5.09
Feb. 5, 1969	133.22		2.95
Feb. 3, 1970	114.33		18.89
Jan. 5, 1971	114.47	.14	
Dec. 10, 1971	118.06	3.59	
Dec. 5, 1972	113.49		4.57
Jan. 8, 1974	134.65	21.16	
Jan. 17, 1975	116.80		17.85
Jan. 29, 1976	127.24	10.44	
Feb. 15, 1977	107.10		20.14
Jan. 11, 1978	109.60	2.50	
Jan. 10, 1979	111.74	2.14	
Jan. 9, 1980	123.59	11.85	
Jan. 14, 1981	121.69		1.90
Well 46-48-901			
Jan. 16, 1958	65.97		
Jan. 20, 1959	69.38	3.41	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-48-901—Continued			
Jan. 12, 1961	51.03		18.35
Feb. 6, 1962	49.72		1.31
Feb. 7, 1963	52.73	3.01	
Feb. 4, 1964	59.52	6.79	
Jan. 21, 1965	47.00		12.52
Jan. 20, 1966	48.77	1.77	
Feb. 7, 1967	52.71	3.94	
Jan. 28, 1968	51.24		1.47
Feb. 4, 1969	55.04*	3.80	
Feb. 3, 1970	59.11*	4.07	
Jan. 5, 1971	61.66	2.55	
Dec. 10, 1971	67.88	6.22	
Dec. 5, 1972	70.99	3.11	
Jan. 8, 1974	74.39	3.40	
Jan. 17, 1975	74.68	.29	
Jan. 29, 1976	78.67	3.99	
Feb. 15, 1977	71.48		7.19
Jan. 11, 1978	82.29	10.81	
Jan. 10, 1979	81.35		.94
Well 46-48-902			
Jan. 28, 1958	164.08		
Jan. 23, 1959	173.96	9.88	
Jan. 12, 1961	205.41	31.45	
Feb. 6, 1962	224.40*	18.99	
Feb. 7, 1963	238.96	14.56	
Feb. 4, 1964	242.58	3.62	
Jan. 20, 1965	241.72		.86
Jan. 20, 1966	241.95	.23	
Jan. 28, 1968	247.63	5.68	
Feb. 4, 1969	251.52	3.89	
Feb. 3, 1970	260.76	9.24	
Jan. 8, 1974	347.40	86.64	
Jan. 17, 1975	317.60		29.80
Jan. 29, 1976	301.79		15.81
Feb. 15, 1977	289.20		12.59
Jan. 11, 1978	290.69	1.49	
Jan. 10, 1979	293.64	2.95	
Jan. 9, 1980	245.78Q		47.86
Jan. 14, 1981			1.62
Well 46-55-302			
Jan. 31, 1958	141.02		
Jan. 12, 1961	164.58	23.56	
Jan. 31, 1958	126.08		
Jan. 12, 1961	142.44	16.36	
Feb. 6, 1962	147.25	4.81	
Feb. 7, 1963	145.30		1.95
Feb. 5, 1964	152.58	7.28	
Jan. 21, 1965	149.50		3.08
Jan. 21, 1966	148.60		.90
Feb. 7, 1967	159.57	10.97	
Jan. 29, 1968	165.66	6.09	
Feb. 11, 1969	159.97*		5.70
Feb. 4, 1970	148.61		11.35
Dec. 10, 1971	157.77	9.16	
Dec. 6, 1972	157.58		.19
Jan. 9, 1974	157.72	.14	
Jan. 21, 1975	160.63	2.91	
Jan. 29, 1976	174.72	14.09	
Feb. 15, 1977	167.43		7.29
Jan. 11, 1978	172.38	4.95	
Jan. 10, 1979	162.94		9.44
Jan. 9, 1980	153.47		9.47
Well 46-55-603			
Feb. 6, 1958	152.47		
Jan. 12, 1961	181.90	29.43	
Feb. 6, 1962	188.20	6.30	
Feb. 6, 1963	185.58		2.62
Feb. 5, 1964	186.65	1.07	
Jan. 21, 1965	194.60	7.95	
Jan. 21, 1966	191.55		3.05
Feb. 7, 1967	199.75	8.20	
Jan. 29, 1968	204.66	4.91	
Feb. 4, 1970	215.60	10.94	
Jan. 6, 1971	217.65	2.05	
Dec. 10, 1971	219.12	1.47	
Dec. 6, 1972	215.72		3.40
Jan. 9, 1974	223.13	7.41	
Jan. 21, 1975	217.24		5.89
Nov. 13, 1975	204.50Q		12.74
Feb. 15, 1977	202.32Q		2.18
Jan. 9, 1980	237.80Q	35.48	
Well 46-56-203			
Jan. 29, 1958	199.10		
Jan. 24, 1959	225.20	26.10	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-56-301			
Jan. 13, 1961	243.18		
Feb. 6, 1962	253.01	9.83	
Feb. 7, 1963	270.85	17.84	
Feb. 4, 1964	294.70	23.85	
Jan. 21, 1965	321.50	26.80	
Jan. 20, 1966	304.88		16.62
Feb. 7, 1967	322.22*	17.34	
Jan. 28, 1968	327.94	5.72	
Feb. 3, 1970	327.93		.01
Dec. 10, 1971	346.32	18.39	
Jan. 8, 1974	326.80		19.52
Jan. 17, 1975	310.30		16.50
Jan. 29, 1976	331.67	21.37	
Jan. 10, 1979	327.65		4.02
Well 46-56-401			
Feb. 4, 1958	169.64		
Feb. 12, 1961	215.42	45.78	
Feb. 6, 1962	216.12	.70	
Feb. 6, 1963	212.83		3.29
Feb. 5, 1964	226.20	13.37	
Jan. 21, 1965	237.48	11.28	
Jan. 21, 1966	247.56	10.08	
Feb. 7, 1967	242.55		5.01
Jan. 29, 1968	244.92	2.37	
Feb. 11, 1969	251.25*	6.33	
Feb. 4, 1970	244.09		7.16
Jan. 6, 1971	251.72	7.63	
Dec. 10, 1971	249.44		2.28
Dec. 6, 1972	248.33		1.11
Jan. 9, 1974	244.60		3.73
Jan. 21, 1975	242.82		1.78
Jan. 29, 1976	242.87	.05	
Feb. 15, 1977	241.19		1.68
Jan. 11, 1978	238.78		2.41
Feb. 28, 1978	244.20	5.42	
Mar. 28, 1978	241.21		2.99
June 20, 1978	241.53	.32	
Sept. 21, 1978	240.65		.88
Dec. 19, 1978	235.37		5.28
Jan. 10, 1979	234.29		1.08
Mar. 16, 1979	231.15		3.14
June 14, 1979	231.95	.80	
Sept. 19, 1979	236.12	4.17	
Dec. 11, 1979	233.68		2.44
Jan. 9, 1980	231.55		2.13
Well 46-56-404			
Jan. 31, 1958	249.60		
Feb. 7, 1963	317.75	68.15	
Feb. 4, 1964	352.82	35.07	
Jan. 29, 1968	364.78	11.96	
Feb. 4, 1970	359.81		4.97
Jan. 6, 1971	358.08		1.73
Jan. 8, 1974	384.78	26.70	
Jan. 17, 1975	393.36	8.58	
Jan. 29, 1976	403.38	10.02	
Jan. 9, 1980	411.62	8.24	
Well 46-63-302			
Jan. 20, 1957	180.67		
Feb. 6, 1958	177.43		3.24
Jan. 12, 1961	210.60	33.17	
Feb. 5, 1964	284.50	73.90	
Jan. 21, 1966	263.60		20.90
Feb. 8, 1967	265.20	1.60	
Jan. 26, 1968	281.62	16.42	
Feb. 4, 1970	279.92		1.70
Dec. 10, 1971	275.15Q		4.77
Jan. 21, 1975	276.26	1.11	
Jan. 29, 1976	266.61		9.65
Feb. 15, 1977	271.15	4.54	
Jan. 11, 1978	274.52	3.37	
Jan. 10, 1979	270.38		4.14
Well 46-63-901			
Aug. 15, 1957	202.15		
Nov. 24, 1957	145.53		56.62
Dec. 16, 1957	133.13		12.40
Jan. 15, 1958	111.26		21.87
Mar. 17, 1958	85.27		25.99
Apr. 19, 1958	188.52	103.25	
June 5, 1958	211.77	23.25	
June 25, 1958	208.10		3.67
Jan. 10, 1961	207.02		1.08
Feb. 7, 1962	159.70		47.32
Feb. 6, 1963	210.02	50.32	
Feb. 5, 1964	214.01	3.99	
Jan. 21, 1965	229.36	15.35	
Jan. 21, 1966	225.72		3.64
Feb. 8, 1967	218.15		7.57
Jan. 26, 1968	242.39	24.24	
Feb. 11, 1969	245.49	3.10	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-63-901—Continued			
Feb. 4, 1970	261.19*	15.70	
Jan. 5, 1971	263.33	2.14	
Dec. 14, 1971	247.29		16.04
Dec. 6, 1972	254.59	7.30	
Jan. 9, 1974	266.30Q	11.71	
Jan. 21, 1975	278.74	12.44	
Jan. 29, 1976	295.98Q	17.24	
Jan. 11, 1978	282.10Q		13.88
Jan. 10, 1979	258.08		24.02
Jan. 8, 1980	253.12Q		4.96
Jan. 14, 1981	251.19		1.93
Well 52-06-501			
Feb. 20, 1956	176.70		
Oct. 30, 1962	177.25	.55	
Feb. 4, 1964	178.55*	1.30	
Jan. 22, 1966	179.94	1.39	
Feb. 9, 1967	179.54		.40
Jan. 26, 1968	179.20		.34
Feb. 12, 1969	180.18	.98	
Feb. 3, 1970	180.70	.52	
Dec. 16, 1971	181.63	.93	
Dec. 6, 1972	182.44	.81	
Dec. 20, 1973	182.88	.44	
Jan. 20, 1975	183.46	.58	
Jan. 28, 1976	184.10	.64	
Feb. 16, 1977	184.69	.59	
Jan. 9, 1978	185.10	.41	
Jan. 7, 1980	188.66	3.56	
Jan. 13, 1981	188.95	.29	
Well 52-07-302			
Jan. 15, 1958	126.70		
Jan. 21, 1959	150.40	23.70	
Oct. 30, 1962	283.61	133.21	
Feb. 6, 1963	230.01		53.60
Feb. 4, 1964	266.24	36.23	
Jan. 21, 1965	284.20	17.96	
Jan. 22, 1966	266.06		18.14
Feb. 9, 1967	277.80*	11.74	
Jan. 27, 1968	281.19Q	3.39	
Feb. 4, 1970	277.80		3.39
Jan. 6, 1971	286.25	8.45	
Dec. 16, 1971	289.99	3.74	
Dec. 6, 1972	276.38		13.61
Well 52-07-302—Continued			
Dec. 20, 1973	279.59	3.21	
Feb. 16, 1977	306.40	26.81	
Jan. 9, 1978	317.13Q	10.73	
Well 52-07-901			
Jan. 12, 1958	137.96		
Jan. 17, 1959	136.04		1.92
Jan. 9, 1961	143.10	7.06	
Feb. 6, 1962	169.59	26.49	
Feb. 6, 1963	177.31	7.72	
Feb. 4, 1964	188.05	10.74	
Jan. 21, 1965	215.02	26.97	
Jan. 22, 1966	182.23		32.79
Feb. 3, 1970	211.67	29.44	
Dec. 16, 1971	199.14		12.53
Dec. 6, 1972	196.99		2.15
Jan. 7, 1974	189.20		7.79
Jan. 20, 1975	181.07		8.13
Feb. 16, 1977	187.16	6.09	
Jan. 8, 1979	196.98	9.82	
Jan. 7, 1980	187.81		9.17
Well 52-08-801			
June 16, 1947	84.20		
Dec. 3, 1954	99.65	15.45	
Jan. 20, 1955	99.40		.25
Jan. 7, 1956	105.50*	6.10	
Apr. 12, 1956	100.30		5.20
Dec. 18, 1956	116.09	15.79	
Feb. 14, 1957	117.23	1.14	
Jan. 30, 1958	121.08	3.85	
Jan. 22, 1959	116.10		4.98
Jan. 9, 1961	85.72		30.38
Feb. 7, 1962	109.71	23.99	
Feb. 8, 1963	110.57	.86	
Feb. 3, 1964	119.28*	8.71	
Jan. 21, 1965	121.98	2.70	
Jan. 21, 1966	121.12		.86
Feb. 8, 1967	120.04		1.08
Jan. 27, 1968	121.81*	1.77	
Feb. 5, 1969	84.57*		37.24
Feb. 5, 1970	85.60*	1.03	
Jan. 8, 1971	112.76*	27.16	
Dec. 9, 1971	86.69*		26.07
Dec. 6, 1972	86.11*		.58

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-08-801—Continued			
Jan. 16, 1975	89.54	3.43	
Jan. 27, 1976	104.17	14.63	
Feb. 14, 1977	113.10	8.93	
Well 52-08-902			
Dec. 31, 1956	25.82		
Jan. 27, 1957	24.50		1.32
Jan. 31, 1958	28.38	3.88	
Feb. 24, 1959	31.35	2.97	
Feb. 4, 1961	29.92		1.43
Feb. 15, 1962	58.42	28.50	
Feb. 10, 1963	56.92		1.50
Jan. 30, 1964	68.56	11.64	
Sept. 22, 1964	145.72	77.16	
Nov. 16, 1964	100.45		45.27
Jan. 28, 1965	71.66		28.79
Mar. 17, 1965	82.94	11.28	
May 24, 1965	105.93	22.99	
July 27, 1965	149.72	43.79	
Sept. 14, 1965	141.08		8.64
Nov. 15, 1965	95.88		45.20
Jan. 22, 1966	70.92		24.96
Mar. 24, 1966	90.38	19.46	
May 24, 1966	78.01		12.37
July 19, 1966	111.12	33.11	
Sept. 20, 1966	96.46		14.66
Nov. 15, 1966	96.72	.26	
Jan. 23, 1967	83.52		13.20
Mar. 21, 1967	118.76*	35.24	
May 24, 1967	147.72*	28.96	
July 18, 1967	132.48*		15.24
Sept. 22, 1967	121.62*		10.86
Nov. 21, 1967	99.04*		22.58
Jan. 27, 1968	79.47*		19.57
Mar. 19, 1968	105.85*	26.38	
May 20, 1968	106.80*	.95	
July 14, 1968	107.00*	.20	
Oct. 7, 1968	97.40*		9.60
Nov. 20, 1968	100.20*	2.80	
Feb. 6, 1969	83.10*		17.10
Apr. 23, 1969	105.94*	22.84	
June 24, 1969	114.66*	8.72	
Aug. 12, 1969	120.70	6.04	
Sept. 15, 1969	125.30	4.60	
Oct. 15, 1969	130.90	5.60	
Nov. 17, 1969	93.93		36.97
Well 52-08-902—Continued			
Dec. 15, 1969	77.00		16.93
Jan. 14, 1970	72.96		4.04
Feb. 5, 1970	85.95	12.99	
Feb. 16, 1970	86.94	.99	
Mar. 16, 1970	90.84	3.90	
Apr. 16, 1970	103.93	13.09	
May 12, 1970	112.30	8.37	
June 16, 1970	114.28	1.98	
July 16, 1970	113.11		1.17
Aug. 19, 1970	120.38	7.27	
Sept. 22, 1970	125.07	4.69	
Oct. 14, 1970	120.53		4.54
Nov. 18, 1970	112.03		8.50
Dec. 16, 1970	111.11		.92
Jan. 7, 1971	113.59	2.48	
Feb. 16, 1971	123.90	10.31	
Mar. 16, 1971	127.16	3.26	
Apr. 19, 1971	134.00	6.84	
May 20, 1971	138.85*	4.85	
June 17, 1971	89.66		49.19
July 6, 1971	85.03		4.63
July 20, 1971	94.17	9.14	
Aug. 17, 1971	83.22		10.95
Oct. 12, 1971	90.29	7.07	
Dec. 14, 1971	94.84	4.55	
Feb. 8, 1972	104.75	9.91	
Mar. 7, 1972	111.96	7.21	
Apr. 6, 1972	129.90	17.94	
June 9, 1972	110.22		19.68
Aug. 3, 1972	124.57	14.35	
Oct. 4, 1972	96.15		28.42
Dec. 4, 1972	87.33		8.82
Mar. 9, 1973	96.82	9.49	
Apr. 19, 1973	119.50	22.68	
June 19, 1973	126.44	6.94	
Aug. 23, 1973	123.40		3.04
Oct. 19, 1973	117.85		5.55
Dec. 20, 1973	105.63		12.22
Mar. 18, 1974	108.85	3.22	
June 11, 1974	123.22	14.37	
Oct. 10, 1974	87.08		36.14
Jan. 14, 1975	66.86		20.22
July 22, 1975	116.75	49.89	
Oct. 24, 1975	104.99		11.76
Jan. 28, 1976	98.33		6.66
Mar. 17, 1976	117.17	18.84	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-08-902—Continued			
May 10, 1976	126.23	9.06	
Sept. 15, 1976	124.26		1.97
Dec. 21, 1976	125.12	.86	
Feb. 16, 1977	89.15		35.97
Apr. 18, 1977	92.49	3.34	
Feb. 8, 1978	94.23	1.74	
Well 52-16-301			
Jan. 29, 1958	97.29		
Jan. 11, 1961	99.21	1.92	
Feb. 6, 1962	115.79	16.58	
Feb. 7, 1963	114.90		.89
Jan. 22, 1965	129.32Q	14.42	
Jan. 21, 1966	133.68Q	4.36	
Feb. 8, 1967	145.40	11.72	
Feb. 12, 1969	134.04		11.36
Feb. 4, 1970	134.05	.01	
Dec. 15, 1971	130.97		3.08
Dec. 20, 1973	124.30		6.67
Jan. 14, 1975	122.27		2.03
Jan. 28, 1976	116.33		5.94
Jan. 10, 1978	131.55	15.22	
Jan. 9, 1979	115.29Q		16.26
Jan. 8, 1980	103.18Q		12.11
Well 52-16-302			
Jan. 4, 1961	87.26		
Feb. 4, 1964	96.98	9.72	
Jan. 22, 1965	101.92	4.94	
Jan. 21, 1966	107.54Q	5.62	
Feb. 8, 1967	122.15Q	14.61	
Jan. 28, 1968	131.36	9.21	
Feb. 4, 1970	130.89		.47
Dec. 15, 1971	139.85Q	8.96	
Jan. 28, 1976	149.95	10.10	
Feb. 16, 1977	141.49		8.46
Jan. 10, 1978	158.09	16.60	
Jan. 8, 1980	119.65		38.44
Well 52-16-303			
Nov. 24, 1957	117.35		
Nov. 28, 1957	115.52		1.83
Dec. 12, 1957	110.42		5.10
Jan. 22, 1958	99.37		11.05
Jan. 29, 1958	98.20		1.17
Feb. 17, 1958	99.17	0.97	
Mar. 20, 1958	129.59	30.42	
Apr. 28, 1958	146.28	16.69	
May 23, 1958	131.54		14.74
June 27, 1958	158.86	27.32	
Jan. 4, 1961	100.86		58.00
Feb. 6, 1962	122.23*	21.37	
Feb. 7, 1963	125.65	3.42	
Feb. 4, 1964	107.28		18.37
Jan. 22, 1965	94.34		12.94
Jan. 21, 1966	92.46		1.88
Feb. 8, 1967	118.30Q	25.84	
Feb. 12, 1969	77.22		41.08
Dec. 15, 1971	64.23Q		12.99
Dec. 7, 1972	69.15	4.92	
Dec. 20, 1973	86.30Q	17.15	
Jan. 14, 1975	88.44Q	2.14	
Jan. 27, 1976	126.27Q	37.83	
Feb. 16, 1977	132.86Q	6.59	
Jan. 10, 1978	137.87Q	5.01	
Jan. 9, 1979	142.26	4.39	
Jan. 8, 1980	143.72Q	1.46	
Jan. 15, 1981	136.05		7.66
Well 52-16-602			
Jan. 3, 1955	149.50		
June 19, 1956	161.80	12.30	
July 17, 1956	177.80	16.00	
Feb. 17, 1958	170.10		7.70
Dec. 12, 1958	184.00	13.90	
Feb. 26, 1959	166.35		17.65
Aug. 31, 1959	240.35	74.00	
July 15, 1960	219.60		20.75
Mar. 1, 1961	163.64		55.96
Aug. 11, 1961	235.72	72.08	
Feb. 23, 1962	180.78		54.94
Sept. 6, 1962	257.43	76.65	
Feb. 18, 1963	188.52		68.91
July 23, 1963	248.30	59.78	
Jan. 21, 1964	199.40		48.90
Aug. 3, 1964	266.22	66.82	
Jan. 21, 1965	208.15		58.07
Mar. 18, 1965	225.85	17.70	
May 24, 1965	230.54	4.69	
July 28, 1965	248.20	17.66	
Sept. 14, 1965	247.12		1.08

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-16-602—Continued			
Nov. 15, 1965	226.44		20.68
Jan. 22, 1966	208.49		17.95
Mar. 24, 1966	213.90	5.41	
May 24, 1966	226.49	12.59	
July 18, 1966	245.00	18.51	
Sept. 20, 1966	231.81		13.19
Nov. 15, 1966	220.60		11.21
Jan. 23, 1967	213.20		7.40
Feb. 8, 1967	213.90*	.70	
Mar. 21, 1967	236.13*	22.23	
May 24, 1967	253.19*	17.06	
July 18, 1967	260.52*	7.33	
Sept. 22, 1967	249.07*		11.45
Nov. 20, 1967	236.24*		12.83
Jan. 28, 1968	222.41*		13.83
Mar. 19, 1968	238.14*	15.73	
May 20, 1968	243.90*	5.76	
July 14, 1968	239.36*		4.54
Sept. 26, 1968	229.42*		9.94
Oct. 7, 1968	227.87*		1.55
Nov. 20, 1968	226.90*		.97
Feb. 6, 1969	220.48*		6.42
Apr. 23, 1969	225.96*	5.48	
June 24, 1969	226.82*	.86	
Aug. 12, 1969	231.29*	4.47	
Sept. 15, 1969	230.50*		.79
Oct. 15, 1969	227.88*		2.62
Nov. 17, 1969	226.68		1.20
Dec. 15, 1969	224.62		2.06
Jan. 14, 1970	222.91		1.71
Feb. 5, 1970	231.40*	8.49	
Feb. 16, 1970	222.64		8.76
Mar. 16, 1970	223.83	1.19	
Apr. 16, 1970	226.36	2.53	
May 12, 1970	226.58	.22	
June 16, 1970	226.97	.39	
July 16, 1970	226.56		.41
Aug. 19, 1970	225.15		1.41
Sept. 22, 1970	225.61	.46	
Oct. 14, 1970	226.74	1.13	
Dec. 16, 1970	226.77	.03	
Jan. 7, 1971	225.86		.91
Jan. 20, 1971	226.84	.98	
Feb. 16, 1971	226.86	.02	
Mar. 16, 1971	226.92	.06	
Apr. 19, 1971	228.18	1.26	
May 20, 1971	231.85	3.67	
June 17, 1971	226.97		4.88
July 20, 1971	229.82	2.85	
Aug. 17, 1971	226.85		2.97
Sept. 17, 1971	226.81		.04
Oct. 12, 1971	226.74		.07
Dec. 15, 1971	226.79	.05	
Feb. 8, 1972	226.79		
Mar. 7, 1972	226.58		.21
Apr. 6, 1972	231.45	4.87	
June 8, 1972	226.69		4.76
Aug. 3, 1972	226.47		.22
Oct. 4, 1972	226.41		.06
Dec. 7, 1972	225.70		.71
Mar. 16, 1973	226.77	1.07	
Apr. 19, 1973	226.43		.34
June 19, 1973	226.68	.25	
Aug. 23, 1973	226.59		.09
Oct. 18, 1973	226.60	.01	
Dec. 20, 1973	226.70	.10	
Mar. 19, 1974	226.80	.10	
June 11, 1974	226.77		.03
Oct. 10, 1974	226.64		.13
Jan. 14, 1975	225.62		1.02
Jan. 20, 1976	225.40		.22
Feb. 16, 1977	225.43	.03	
Jan. 10, 1978	225.51	.08	
Jan. 9, 1979	225.61	.10	
Jan. 8, 1980	225.45		.16
Well 52-16-608			
Oct. 14, 1964	160.00		
Nov. 17, 1964	139.75		20.25
Jan. 28, 1965	138.75		1.00
May 24, 1965	163.13	24.38	
Nov. 15, 1965	158.05		5.08
Jan. 21, 1966	159.16	1.11	
May 24, 1966	168.27	9.11	
Sept. 20, 1966	149.91		18.36
Nov. 15, 1966	179.50	29.59	
Jan. 27, 1967	148.27		31.23
Oct. 11, 1968	174.20	25.93	
Nov. 19, 1968	180.17	5.97	
Apr. 23, 1969	196.48	16.31	
Sept. 15, 1969	199.70	3.22	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-16-608—Continued			
Oct. 15, 1969	182.78		16.92
Nov. 17, 1969	171.80		10.98
Dec. 15, 1969	174.69	2.89	
Jan. 14, 1970	175.23	.54	
Feb. 5, 1970	175.23		
Feb. 16, 1970	175.42	.19	
Mar. 16, 1970	203.53*	28.11	
Apr. 16, 1970	180.73*		22.80
May 12, 1970	194.37*	13.64	
Oct. 14, 1970	207.37	13.00	
Nov. 18, 1970	214.72	7.35	
Dec. 16, 1970	220.46	5.74	
Feb. 16, 1971	225.53*	5.07	
Mar. 16, 1971	219.67		5.86
Apr. 21, 1971	228.04*	8.37	
June 17, 1971	197.00		31.04
Aug. 17, 1971	196.17		.83
Dec. 15, 1971	214.92	18.75	
Dec. 7, 1972	197.87		17.05
Dec. 20, 1973	200.26	2.39	
Jan. 28, 1976	219.40	19.14	
Feb. 16, 1977	201.61		17.79
Jan. 10, 1978	207.17	5.56	
Jan. 9, 1979	179.35		27.82
Jan. 15, 1981	166.82		12.53
Well 52-16-609			
Oct. 15, 1964	160.00		
Nov. 17, 1964	139.20		20.80
Jan. 28, 1965	138.33		.87
Sept. 20, 1966	143.30	4.97	
Nov. 15, 1966	191.96	48.66	
Jan. 27, 1967	177.18		14.78
Sept. 22, 1967	213.32*	36.14	
Oct. 11, 1968	200.04		13.28
Oct. 15, 1969	181.79		18.25
Nov. 17, 1969	171.85		9.94
Dec. 15, 1969	170.23		1.62
Jan. 14, 1970	178.25	8.02	
May 12, 1970	194.17	15.92	
Oct. 14, 1970	213.39	19.22	
Jan. 7, 1971	190.50		22.89
Feb. 16, 1971	190.50		
Mar. 16, 1971	201.90*	11.40	
Apr. 21, 1971	217.66	15.76	
June 17, 1971	202.81		14.85
July 20, 1971	200.37		2.44
Sept. 17, 1971	211.50	11.13	
Dec. 15, 1971	180.66		30.84
Dec. 7, 1972	214.14	33.48	
Dec. 20, 1973	199.80		14.34
Jan. 14, 1975	198.31		1.49
Jan. 28, 1976	201.33	3.02	
Feb. 16, 1977	193.49		7.84
Jan. 10, 1978	189.26		4.23
Jan. 9, 1979	191.87	2.61	
Jan. 8, 1980	186.09		5.78
Jan. 15, 1981	185.40		.69
Well 52-16-802			
Jan. 20, 1976	246.88		
Mar. 17, 1976	252.18	5.30	
May 9, 1976	256.38	4.20	
July 13, 1976	263.22	6.84	
Sept. 15, 1976	263.10		.12
Dec. 21, 1976	244.72		18.38
Feb. 16, 1977	240.36		4.36
Oct. 17, 1977	243.33	2.97	
Dec. 1, 1977	234.45		8.88
Dec. 8, 1977	234.45		
Feb. 7, 1978	231.45		3.00
Mar. 28, 1978	230.90		.55
June 22, 1978	236.33	5.43	
Sept. 20, 1978	243.70	7.37	
Dec. 20, 1978	214.29		29.41
Mar. 16, 1979	209.68		4.61
June 14, 1979	223.43	13.75	
Sept. 20, 1979	224.05	.62	
Dec. 11, 1979	217.90		
Dec. 17, 1980	207.85		10.05
Well 52-16-901			
Jan. 3, 1957	169.88		
Feb. 4, 1958	163.89		5.99
Jan. 23, 1959	168.95	5.06	
Jan. 9, 1961	168.58		.37
Feb. 6, 1962	182.12*	13.54	
Feb. 7, 1963	185.83	3.71	
Feb. 3, 1964	197.24	11.41	
Jan. 22, 1965	204.58	7.34	
Jan. 21, 1966	206.26	1.68	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 52-16-901—Continued			
Feb. 8, 1967	210.26*	4.00	
Jan. 28, 1968	220.01	9.75	
Feb. 13, 1969	221.48	1.47	
Feb. 5, 1970	220.22		1.26
Jan. 14, 1975	159.20		61.02
Well 52-22-801			
Dec. 15, 1955	289.00		
Oct. 30, 1962	343.25	54.25	
Feb. 3, 1964	321.57		21.68
Jan. 22, 1965	336.10	14.53	
Jan. 22, 1966	338.06	1.96	
Feb. 8, 1967	335.34Q		2.72
Well 52-22-802			
Mar. 5, 1956	120.00		
May 5, 1958	130.80	10.80	
Oct. 30, 1962	143.92	13.12	
Feb. 7, 1963	139.46		4.46
Feb. 3, 1964	150.32	10.86	
Jan. 22, 1965	145.87		4.45
Jan. 22, 1966	148.29	2.42	
Feb. 8, 1967	156.68	8.39	
Jan. 27, 1968	158.40	1.72	
Feb. 5, 1969	152.10		6.30
Feb. 3, 1970	154.77	2.67	
Jan. 8, 1971	167.01	12.24	
Dec. 9, 1971	157.77		9.24
Dec. 7, 1972	160.19	2.42	
Jan. 16, 1975	159.20		.99
Jan. 27, 1976	158.95		.25
Feb. 14, 1977	157.61		1.34
Well 52-30-101			
June 6, 1956	178.90		
May 5, 1958	182.15	3.25	
Mar. 2, 1961	185.08	2.93	
Feb. 7, 1962	186.68	1.60	
Feb. 7, 1963	189.20	2.52	
Feb. 3, 1964	191.98	2.78	
Jan. 22, 1965	195.50	3.52	
Jan. 22, 1966	200.28	4.78	
Feb. 8, 1967	204.34	4.06	
Jan. 27, 1968	205.28*	.94	
Feb. 5, 1969	207.33	2.05	
Feb. 3, 1970	209.83	2.50	
Jan. 8, 1971	218.30	8.47	
Dec. 9, 1971	214.92		3.38
Dec. 7, 1972	217.18	2.26	
Dec. 19, 1973	217.81	.63	
Jan. 16, 1975	217.80		.01
Jan. 27, 1976	218.61	.81	
Feb. 14, 1977	219.50	.89	
Jan. 9, 1978	211.25		8.25
Jan. 8, 1979	219.67	8.42	
Well 53-01-402			
June 6, 1947	14.20		
July 8, 1948	16.50	2.30	
Nov. 30, 1951	16.56	.06	
Dec. 6, 1952	16.78	.22	
Dec. 5, 1953	20.10	3.32	
Dec. 2, 1954	19.24		.86
Jan. 19, 1955	14.21		5.03
Dec. 6, 1955	12.65		1.56
Jan. 9, 1957	23.67	11.02	
Feb. 13, 1957	21.57		2.10
Mar. 12, 1957	23.58	2.01	
Apr. 15, 1957	30.05	6.47	
May 16, 1957	32.49	2.44	
June 24, 1957	30.33		2.16
July 16, 1957	34.75	4.42	
Aug. 19, 1957	38.72	3.97	
Sept. 20, 1957	44.32	5.60	
Oct. 16, 1957	44.17		.15
Nov. 18, 1957	40.07		4.10
Dec. 16, 1957	34.70		5.37
Jan. 17, 1958	26.17		8.53
Feb. 28, 1958	23.70		2.47
Mar. 17, 1958	25.13	1.43	
Apr. 17, 1958	31.17	6.04	
May 19, 1958	37.24	6.07	
June 25, 1958	43.46	6.22	
July 26, 1958	52.55	9.09	
Aug. 20, 1958	58.35	5.80	
Sept. 20, 1958	57.38		.97
Jan. 22, 1959	32.73		24.65
Jan. 10, 1961	33.93	1.20	
Jan. 7, 1962	49.98*	16.05	
Feb. 6, 1963	61.03	11.05	
Feb. 4, 1964	62.18	1.15	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 53-01-402—Continued			
Jan. 20, 1965	51.63		10.55
Jan. 22, 1966	54.29	2.66	
Feb. 7, 1967	50.67		3.62
Feb. 13, 1969	44.37*		6.30
Feb. 3, 1970	49.84*	5.47	
Jan. 6, 1971	58.95*	9.11	
Dec. 14, 1971	57.99*		.96
Jan. 9, 1974	52.90*		5.09
Jan. 21, 1975	44.98*		7.92
Jan. 30, 1976	53.35*	8.37	
Feb. 17, 1977	53.08*		.27
Jan. 10, 1978	59.18*	6.10	
Jan. 9, 1979	45.24Q		13.94
Jan. 8, 1980	53.95	8.71	
Well 53-01-502			
Feb. 15, 1958	28.70		
Jan. 11, 1961	28.00		.70
Jan. 7, 1962	30.42	2.42	
Feb. 6, 1963	39.07	8.65	
Feb. 4, 1964	41.74	2.67	
Jan. 20, 1965	42.67	.93	
Jan. 22, 1966	44.05	1.38	
Feb. 7, 1967	52.09*	8.04	
Jan. 25, 1968	54.83*	2.74	
Jan. 6, 1971	49.77		5.06
Dec. 13, 1971	59.23	9.46	
Jan. 9, 1974	50.59		8.64
Jan. 30, 1976	47.74		2.85
Feb. 17, 1977	48.48	.74	
Jan. 9, 1979	41.31		7.17
Jan. 8, 1980	47.19	5.88	
Well 53-01-902			
Oct. 21, 1946	51.80		
May 15, 1959	105.00	53.20	
Mar. 3, 1961	55.84		49.16
Apr. 1, 1961	65.75	9.91	
May 1, 1961	93.86	28.11	
June 6, 1961	109.42	15.56	
July 1, 1961	121.65	12.23	
Aug. 1, 1961	132.71	11.06	
Feb. 13, 1962	164.40	31.69	
Sept. 30, 1963	178.00	13.60	
Oct. 30, 1963	170.00		8.00
Jan. 15, 1964	164.00		6.00
Mar. 15, 1964	150.00		14.00
Apr. 15, 1964	150.00		
May 15, 1964	150.00		
June 15, 1964	150.00		
July 15, 1964	150.00		
Aug. 15, 1964	150.00		
Sept. 24, 1964	90.00		60.00
Oct. 15, 1964	100.00	10.00	
Nov. 15, 1964	108.00	8.00	
Dec. 15, 1964	103.00		5.00
Jan. 15, 1965	110.00	7.00	
Feb. 15, 1965	110.00		
Mar. 15, 1965	110.00		
Jan. 24, 1966	108.00		2.00
Feb. 13, 1969	80.00		28.00
Feb. 5, 1970	100.22	20.22	
Jan. 6, 1971	111.50	11.28	
Dec. 13, 1971	97.99		13.51
Dec. 8, 1972	102.35	4.36	
Jan. 7, 1974	114.00	11.65	
Jan. 21, 1975	98.00		16.00
Jan. 30, 1976	81.80		16.20
Feb. 17, 1977	76.12		5.68
Jan. 12, 1978	115.00	38.88	
Jan. 10, 1979	97.60		17.40
Jan. 10, 1980	80.00		17.60
Well 53-02-102			
Apr. 14, 1947	38.50		
Mar. 14, 1950	39.90	1.40	
Jan. 25, 1952	51.36	11.46	
Dec. 6, 1952	54.57	3.21	
Dec. 5, 1953	62.19	7.62	
Dec. 2, 1954	57.82		4.37
Dec. 7, 1955	63.26	5.44	
Jan. 9, 1957	72.00	8.74	
Nov. 13, 1957	73.64	1.64	
Jan. 28, 1958	74.67	1.03	
Jan. 24, 1959	81.51	6.84	
Jan. 9, 1961	74.69		6.82
Feb. 6, 1962	70.29		4.40
Feb. 6, 1963	74.72	4.43	
Feb. 4, 1964	79.32	4.60	
Jan. 21, 1965	81.24	1.92	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 53-02-102—Continued			
Jan. 22, 1966	76.14		5.10
Jan. 25, 1968	71.91		4.23
Feb. 13, 1969	84.96Q	13.05	
Feb. 5, 1970	75.84		9.12
Dec. 29, 1970	82.11Q	6.27	
Dec. 8, 1972	77.51		4.60
Jan. 8, 1974	74.00		3.51
Jan. 21, 1975	76.40	2.40	
Jan. 30, 1976	88.54	12.14	
Feb. 17, 1977	103.98	15.44	
Jan. 12, 1978	80.50		23.48
Well 53-02-403			
Oct. 30, 1962	77.23		
Feb. 6, 1963	93.33	16.10	
Feb. 4, 1964	85.38		7.95
Jan. 21, 1965	107.40*	22.02	
Jan. 20, 1966	101.00		6.40
Feb. 7, 1967	86.82		14.18
Jan. 25, 1968	92.54	5.72	
Feb. 14, 1969	88.69		3.85
Feb. 5, 1970	97.52	8.83	
Dec. 29, 1970	89.84		7.68
Dec. 14, 1971	84.45		5.39
Dec. 8, 1972	110.28	25.83	
Jan. 7, 1974	95.10		15.18
Jan. 21, 1975	81.88		13.22
Jan. 30, 1976	82.49	.61	
Feb. 17, 1977	76.58		5.91
Jan. 12, 1978	82.39	5.81	
Jan. 11, 1979	87.22	4.83	
Well 53-02-703			
Jan. 25, 1952	61.95		
Dec. 6, 1952	67.73	5.78	
Jan. 19, 1957	71.12	3.39	
Feb. 15, 1957	72.03	.91	
Mar. 13, 1957	67.55		4.48
Apr. 15, 1957	69.35	1.80	
May 15, 1957	89.95	20.60	
June 3, 1957	68.54		21.41
July 16, 1957	68.05		.49
Aug. 20, 1957	69.23	1.18	
Sept. 16, 1957	71.25	2.02	
Oct. 16, 1957	69.82		1.43
Nov. 18, 1957	69.71		0.11
Jan. 17, 1958	69.18		.53
Feb. 28, 1958	69.09		.09
Mar. 17, 1958	68.85		.24
Apr. 16, 1958	68.62		.23
May 20, 1958	68.24		.38
June 26, 1958	68.30	0.06	
July 28, 1958	68.96	.66	
Aug. 21, 1958	71.54	2.58	
Jan. 23, 1959	68.34		3.20
Jan. 4, 1961	66.55		1.79
Feb. 4, 1963	71.19	4.64	
Feb. 5, 1964	69.61		1.58
Jan. 20, 1965	72.72	3.11	
Jan. 22, 1966	67.26		5.46
Feb. 7, 1967	66.62		.64
Jan. 25, 1968	66.63	.01	
Feb. 5, 1970	76.16	9.53	
Dec. 29, 1970	78.33	2.17	
Dec. 13, 1971	80.28	1.95	
Dec. 8, 1972	88.09	7.81	
Jan. 7, 1974	85.29		2.80
Jan. 22, 1975	83.31		1.98
Jan. 30, 1976	81.53		1.78
Feb. 17, 1977	76.67		4.86
Jan. 12, 1978	90.99	14.32	
Jan. 11, 1979	76.01		14.98
Well 53-02-802			
Nov. 1, 1957	75.80		
Jan. 31, 1958	77.50	1.70	
Oct. 30, 1962	160.25	82.75	
Feb. 4, 1963	130.28		29.97
Feb. 5, 1964	101.78		28.50
Jan. 20, 1965	99.40		2.38
Jan. 22, 1966	102.14	2.74	
Feb. 8, 1967	96.60		5.54
Jan. 25, 1968	94.90		1.70
Feb. 15, 1969	91.97		2.93
Feb. 5, 1970	90.18		1.79
Dec. 29, 1970	91.04	.86	
Dec. 13, 1971	93.33	2.29	
Dec. 8, 1972	91.80		1.53
Jan. 7, 1974	90.52		1.28
Jan. 22, 1975	83.89		6.63

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 53-02-802—Continued			
Jan. 30, 1976	85.06	1.17	
Feb. 17, 1977	79.70		5.36
Jan. 12, 1978	91.84	12.14	
Jan. 11, 1979	82.38		9.46
Well 53-03-901			
Jan. 26, 1952	132.10		
Dec. 7, 1952	135.68	3.58	
Dec. 6, 1953	138.16	2.48	
Dec. 1, 1954	137.74		.42
Dec. 5, 1955	133.35		4.39
Dec. 17, 1956	150.35	17.00	
Apr. 16, 1957	138.34		12.01
June 19, 1957	139.03	.69	
July 15, 1957	136.26		2.77
Oct. 15, 1957	136.48	.22	
Dec. 18, 1957	136.81	.33	
Jan. 17, 1958	136.25		.56
Jan. 27, 1959	149.37	13.12	
Jan. 4, 1961	136.97		12.40
Feb. 7, 1962	187.66*	50.69	
Feb. 4, 1963	141.60		46.06
Jan. 28, 1966	144.10	2.50	
Feb. 4, 1970	150.84	6.74	
Dec. 30, 1970	153.39	2.55	
Dec. 13, 1971	152.96		.43
Dec. 8, 1972	136.69		16.27
Jan. 15, 1975	143.64	6.95	
Jan. 27, 1976	152.26	8.62	
Feb. 15, 1977	160.68	8.42	
Jan. 10, 1978	155.20		5.48
Jan. 9, 1979	157.97	2.77	
Well 53-06-501			
Apr. 23, 1948	78.10		
Dec. 6, 1953	88.69	10.59	
Dec. 11, 1954	88.67		.02
Dec. 8, 1955	86.19		2.48
Dec. 17, 1956	91.11	4.92	
Sept. 27, 1957	99.80	8.69	
Oct. 16, 1957	96.73		3.07
Nov. 15, 1957	87.29		9.44
Dec. 19, 1957	84.16		3.13
Jan. 21, 1958	83.51		.65
Jan. 4, 1961	93.40	9.89	
Feb. 7, 1962	104.52	11.12	
Feb. 4, 1963	95.61		8.91
Feb. 6, 1964	95.75	.14	
Jan. 20, 1965	97.17	1.42	
Feb. 6, 1967	94.87		2.30
Jan. 29, 1968	99.78	4.91	
Feb. 14, 1969	97.21		2.57
Feb. 5, 1970	97.80	.59	
Dec. 30, 1970	98.49	.69	
Dec. 13, 1971	100.23*	1.74	
Jan. 15, 1975	90.10		10.13
Jan. 27, 1976	93.81	3.71	
Feb. 15, 1977	90.02		3.79
Jan. 10, 1978	86.90		3.12
Jan. 9, 1979	95.21	8.31	
Jan. 8, 1980	95.50	.29	
Jan. 14, 1981	101.60	6.10	
Well 53-09-105			
Jan. 3, 1957	106.50		
Jan. 15, 1958	110.40	3.90	
Oct. 29, 1962	199.50	89.10	
Feb. 7, 1963	135.72		63.78
Feb. 4, 1964	151.33	15.61	
Jan. 22, 1965	152.24	.91	
Jan. 21, 1966	148.70		3.54
Feb. 7, 1967	165.60*	16.90	
Feb. 12, 1969	164.17		1.43
Feb. 5, 1970	160.55		3.62
Dec. 15, 1971	170.80	10.25	
Dec. 7, 1972	168.50Q		2.30
Dec. 20, 1973	193.50	25.00	
Jan. 14, 1975	145.50		48.00
Jan. 28, 1976	175.33	29.83	
Feb. 16, 1977	169.78		5.55
Jan. 10, 1978	168.93		.85
Jan. 9, 1979	145.60		23.33
Jan. 8, 1980	140.12		5.48
Well 53-09-301			
Feb. 17, 1958	77.70		
Mar. 20, 1958	80.17	2.47	
Apr. 28, 1958	85.98	5.81	
May 23, 1958	79.27		6.71
June 30, 1958	79.10		.17

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 53-09-301—Continued			
July 15, 1958	92.29	13.19	
Sept. 3, 1958	100.98	8.69	
Oct. 10, 1958	96.82		4.16
Nov. 13, 1958	95.85		.97
Jan. 23, 1959	80.79		15.06
Jan. 11, 1961	90.65	9.86	
Feb. 6, 1962	107.78	17.13	
Feb. 6, 1963	81.61		26.17
Feb. 5, 1964	112.41	30.80	
June 22, 1964	111.90		.51
Sept. 22, 1964	114.48	2.58	
Nov. 16, 1964	103.53		10.95
Jan. 21, 1965	104.37	.84	
Mar. 18, 1965	103.52		.85
May 25, 1965	102.24		1.28
July 25, 1965	100.70		1.54
Sept. 14, 1965	103.65	2.95	
Nov. 15, 1965	105.34	1.69	
Jan. 22, 1966	105.66	.32	
Mar. 23, 1966	106.09	.43	
May 23, 1966	95.16		10.93
July 20, 1966	96.72	1.56	
Sept. 20, 1966	94.08		2.64
Nov. 15, 1966	99.22	5.14	
Jan. 27, 1967	103.43	4.21	
Feb. 7, 1967	100.14		3.29
Mar. 22, 1967	99.20		.94
May 25, 1967	102.18	2.98	
July 18, 1967	103.46	1.28	
Sept. 22, 1967	105.84	2.38	
Nov. 20, 1967	103.93		1.91
Jan. 25, 1968	102.13		1.80
Mar. 20, 1968	105.02	2.89	
May 20, 1968	103.80		1.22
July 15, 1968	103.72		.08
Sept. 24, 1968	100.25		3.47
Nov. 19, 1968	91.89		8.36
Feb. 14, 1969	95.78	3.89	
Apr. 23, 1969	99.37	3.59	
June 24, 1969	101.05	1.68	
Aug. 12, 1969	103.46	2.41	
Sept. 15, 1969	105.00	1.54	
Oct. 15, 1969	105.48	.48	
Nov. 17, 1969	105.24		.24
Dec. 15, 1969	105.10		.14
Jan. 14, 1970	105.07		.03
Feb. 5, 1970	105.36	0.29	
Feb. 16, 1970	105.52	.16	
Mar. 16, 1970	105.60	.08	
Apr. 16, 1970	105.95	.35	
May 12, 1970	106.72	.77	
June 16, 1970	107.77	1.05	
July 16, 1970	109.10	1.33	
Aug. 19, 1970	109.06		0.04
Sept. 22, 1970	112.05	2.99	
Oct. 14, 1970	116.70	4.65	
Nov. 18, 1970	108.93		7.77
Dec. 16, 1970	115.10	6.17	
Jan. 7, 1971	114.01		1.09
Jan. 20, 1971	112.95		1.06
Feb. 16, 1971	126.29	13.34	
Mar. 16, 1971	126.21		.08
Apr. 19, 1971	122.85		3.36
May 20, 1971	122.68		.17
June 17, 1971	120.39		2.29
July 21, 1971	113.87		6.52
Aug. 18, 1971	119.40	5.53	
Sept. 17, 1971	112.75		6.65
Dec. 14, 1971	110.29		2.46
Dec. 8, 1972	109.65		.64
Jan. 7, 1974	113.28	3.63	
Jan. 21, 1975	107.42		5.86
Jan. 28, 1976	114.07	6.65	
Feb. 17, 1977	115.93	1.86	
Jan. 9, 1978	118.13	2.20	
Jan. 8, 1979	126.06	7.93	
Jan. 7, 1980	124.27		1.79
Jan. 13, 1981	119.09		5.18
Well 53-09-402			
Jan. 30, 1958	172.55		
Jan. 24, 1959	178.03	5.48	
Jan. 20, 1961	175.79		2.24
Feb. 6, 1962	199.77*	23.98	
Feb. 7, 1963	196.30*		3.47
Feb. 3, 1964	218.84	22.54	
Jan. 22, 1965	232.94	14.10	
Jan. 21, 1966	234.37	1.43	
Feb. 7, 1967	222.24		12.13
Jan. 28, 1968	226.89	4.65	
Dec. 15, 1971	255.89Q	29.00	
Jan. 10, 1978	247.91		7.98

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Pecos County—Continued

Date	Measurement	Change in water level from previous measurement	
		Decline	Rise
Well 53-09-702			
Feb. 7, 1958	226.39		
Jan. 24, 1959	232.70	6.31	
Jan. 11, 1961	230.53		2.17
Feb. 6, 1962	250.20*	19.67	
Feb. 7, 1963	251.04	.84	
Feb. 3, 1964	261.02	9.98	
Jan. 22, 1965	268.05	7.03	
Jan. 21, 1966	268.56	.51	
Feb. 7, 1967	277.60	9.04	
Jan. 28, 1968	283.31	5.71	
Feb. 12, 1969	229.74		53.57
Dec. 15, 1971	246.80	17.06	
Dec. 7, 1972	231.50		15.30
Dec. 20, 1973	210.80		20.70
Jan. 14, 1975	199.15		11.65
Jan. 28, 1976	201.01	1.86	
Jan. 10, 1978	217.42Ω	16.41	
Jan. 9, 1979	207.07		10.35
Well 53-10-101			
Jan. 17, 1950	117.00		
Nov. 28, 1951	127.33	10.33	
Jan. 25, 1952	122.49		4.84
Dec. 6, 1952	126.33	3.84	
Dec. 5, 1953	129.03	2.70	
Dec. 3, 1954	126.16		2.87
Dec. 7, 1955	127.81	1.65	
Jan. 11, 1957	147.35	19.54	
Mar. 14, 1957	137.35		10.00
May 16, 1957	146.25	8.90	
June 3, 1957	143.35		2.90
June 24, 1957	139.40		3.95
July 18, 1957	147.29	7.89	
Aug. 20, 1957	153.94	6.65	
Sept. 21, 1957	160.48	6.54	
Oct. 17, 1957	164.57	4.09	
Nov. 18, 1957	151.50		13.07
Feb. 28, 1958	143.45		8.05
Mar. 18, 1958	139.06		4.39
May 20, 1958	145.13	6.07	
July 29, 1958	152.46	7.33	
Jan. 11, 1961	172.27	19.81	
Feb. 7, 1962	170.47		1.80
Feb. 6, 1963	175.34	4.87	
Feb. 5, 1964	179.95	4.61	
Jan. 21, 1965	168.70		11.25
Jan. 22, 1966	165.16		3.54
Feb. 7, 1967	167.06	1.90	
Jan. 25, 1968	164.40		2.66
Feb. 15, 1969	155.70		8.70
Feb. 5, 1970	163.68	7.98	
Dec. 29, 1970	166.29	2.61	
Dec. 14, 1971	174.32	8.03	
Dec. 8, 1972	170.96		3.36
Jan. 7, 1974	173.97	3.01	
Jan. 22, 1975	160.33		13.64
Jan. 28, 1976	175.42	15.09	
Feb. 17, 1977	168.96		6.46
Jan. 9, 1978	175.14	6.18	
Jan. 8, 1979	169.01		6.13
Jan. 7, 1980	169.60	.59	
Well 53-12-203			
Jan. 4, 1961	24.16		
Feb. 5, 1962	27.84	3.68	
Feb. 5, 1964	27.19		.65
Jan. 20, 1965	27.82	.63	
Jan. 28, 1966	30.15	2.33	
Jan. 28, 1968	33.41	3.26	
Feb. 14, 1969	34.20	.79	
Feb. 4, 1970	35.32	1.12	
Dec. 16, 1971	36.31	.99	
Jan. 15, 1975	28.44		7.87
Jan. 10, 1978	38.48	10.04	
Jan. 8, 1980	37.80		.68

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-28-801			
Feb. 8, 1959	112.90		
May 18, 1959	159.40	46.50	
Nov. 3, 1959	128.10		31.30
Jan. 6, 1960	122.70		5.40
Jan. 17, 1961	90.40		32.30
Feb. 8, 1962	92.20	1.80	
Feb. 8, 1963	95.40	3.20	
Feb. 2, 1964	85.20		10.20
Jan. 27, 1965	121.50	36.30	
Jan. 24, 1966	120.23		1.27
Feb. 10, 1967	124.60	4.37	
Jan. 25, 1968	123.88		.72
Feb. 7, 1969	145.70*	21.82	
Jan. 29, 1970	138.40*		7.30
Dec. 12, 1971	144.12	5.72	
Dec. 5, 1972	153.54Q	9.42	
Jan. 22, 1975	145.24		8.30
Feb. 4, 1976	140.80		4.44
Feb. 23, 1977	119.45		21.35
Jan. 19, 1978	121.04	1.59	
Jan. 16, 1979	119.20		1.84
Jan. 16, 1980	117.82		1.38
Well 46-28-802			
Nov. 3, 1958	39.82		
Feb. 9, 1959	40.18	.36	
May 18, 1959	46.80	6.62	
Jan. 6, 1960	38.97		7.83
Jan. 17, 1961	38.21		.76
Feb. 8, 1962	38.67	.46	
Feb. 2, 1964	47.27	8.60	
Jan. 28, 1965	45.98		1.29
Jan. 24, 1966	48.47	2.49	
Feb. 10, 1967	47.75		.72
Jan. 24, 1968	40.63		7.12
Feb. 7, 1969	36.60		4.03
Jan. 29, 1970	37.10	.50	
Dec. 3, 1970	36.12		.98
Dec. 12, 1971	37.80	1.68	
Dec. 5, 1972	39.38	1.58	
Jan. 8, 1974	37.86		1.52
Jan. 22, 1975	35.19		2.67
Feb. 4, 1976	31.91		3.28
Feb. 23, 1977	37.02	5.11	
Jan. 16, 1979	41.68	4.66	
Jan. 27, 1981	50.38	8.70	
Well 46-35-501			
Nov. 21, 1958	228.60		
Feb. 10, 1959	230.20	1.60	
May 18, 1959	245.80	15.60	
Jan. 17, 1961	250.48	4.68	
Feb. 7, 1963	277.30	26.82	
Jan. 24, 1966	345.88	68.58	
Feb. 10, 1967	353.40	7.52	
Jan. 25, 1968	357.62	4.22	
Feb. 8, 1969	366.40	8.78	
Jan. 30, 1970	358.87		7.53
Dec. 10, 1971	383.15	24.28	
Dec. 5, 1972	391.25	8.10	
Jan. 8, 1974	387.83Q		3.42
Jan. 22, 1975	390.00Q	2.17	
Feb. 4, 1976	384.55Q		5.45
Feb. 23, 1977	377.80Q		6.75
Jan. 19, 1978	374.25Q		3.55
Jan. 16, 1980	374.85	.60	
Jan. 27, 1981	370.90		3.95
Well 46-35-601			
Apr. 30, 1947	109.44		
Mar. 8, 1948	118.02	8.58	
Feb. 9, 1949	127.01	8.99	
Jan. 14, 1950	135.52	8.51	
Feb. 27, 1950	131.56		3.96
Feb. 7, 1951	147.15	15.59	
Jan. 29, 1952	164.78	17.63	
Feb. 5, 1953	182.16	17.38	
Jan. 22, 1954	174.26		7.90
Jan. 9, 1956	176.84	2.58	
Jan. 28, 1957	180.82	3.98	
Feb. 5, 1958	171.38		9.44
Nov. 17, 1958	177.60	6.22	
May 18, 1959	184.10	6.50	
Jan. 7, 1960	179.30		4.80
Jan. 17, 1961	174.40		4.90
Feb. 8, 1962	180.70	6.30	
Feb. 8, 1963	180.70		
Feb. 2, 1964	189.09	8.39	
Jan. 28, 1965	193.50	4.41	
Jan. 24, 1966	186.97		6.53
Feb. 10, 1967	178.20*		8.77
Jan. 25, 1968	180.79	2.59	
Feb. 8, 1969	182.60	1.81	
Jan. 30, 1970	184.28	1.68	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-35-601—Continued			
Dec. 3, 1970	184.95	0.67	
Dec. 10, 1971	184.64		0.31
Dec. 5, 1972	184.78	.14	
Jan. 8, 1974	184.26		.52
Jan. 22, 1975	229.51	45.25	
Feb. 4, 1976	235.57	6.06	
Feb. 23, 1977	221.59		12.98
Jan. 19, 1978	231.19	9.60	
Jan. 17, 1979	231.97	.78	
Jan. 16, 1980	229.93		2.04
Well 46-35-803			
Nov. 26, 1958	281.10		
Jan. 17, 1961	303.30	22.20	
Feb. 8, 1963	345.20	41.90	
Feb. 2, 1964	264.00	18.80	
Jan. 28, 1965	379.70	15.70	
Jan. 25, 1968	383.50	3.80	
Feb. 8, 1969	384.70	1.20	
Jan. 30, 1970	385.82	1.12	
Dec. 10, 1971	395.49	9.67	
Dec. 5, 1972	374.80Q		20.69
Jan. 22, 1975	383.00Q	8.20	
Feb. 4, 1976	373.93		9.07
Feb. 23, 1977	369.18Q		4.75
Jan. 19, 1978	367.52Q		1.66
Jan. 17, 1979	366.85Q		.67
Jan. 16, 1980	318.85Q		48.00
Jan. 27, 1981	325.66	6.81	
Well 46-35-902			
Nov. 14, 1958	270.80		
Feb. 10, 1959	248.90		21.90
May 18, 1959	278.30	29.40	
Jan. 7, 1960	269.20		9.10
Jan. 17, 1961	281.50	12.30	
Feb. 8, 1962	308.00	26.50	
Jan. 28, 1965	364.00	56.00	
Jan. 24, 1966	366.50*	2.50	
Jan. 25, 1968	367.80	1.30	
Feb. 8, 1969	368.90*	1.10	
Jan. 30, 1970	381.50*	12.60	
Dec. 3, 1970	409.25	27.75	
Dec. 10, 1971	430.50	21.25	
Feb. 4, 1976	331.77		98.73
Feb. 23, 1977	322.99		8.78
Jan. 19, 1978	320.16		2.83
Jan. 16, 1980	324.68	4.52	
Well 46-36-201			
Nov. 4, 1958	123.51		
Feb. 9, 1959	115.39		8.12
May 18, 1959	127.10	11.71	
Jan. 6, 1960	122.07		5.03
Jan. 17, 1961	124.00	1.93	
Feb. 8, 1962	127.98	3.98	
Feb. 8, 1963	133.94	5.96	
Feb. 2, 1964	140.23	6.29	
Jan. 28, 1965	144.18	3.95	
Jan. 24, 1966	144.71	.53	
Feb. 10, 1967	147.12	2.41	
July 19, 1967	150.10	2.98	
Sept. 21, 1967	167.37	17.27	
Nov. 21, 1967	154.37		13.00
Jan. 25, 1968	150.61		3.76
Mar. 19, 1968	164.22	13.61	
May 22, 1968	165.75	1.53	
July 16, 1968	171.46	5.71	
Sept. 27, 1968	167.36		4.10
Nov. 21, 1968	158.10		9.26
Feb. 7, 1969	158.26	.16	
Apr. 24, 1969	174.42	16.16	
June 25, 1969	169.26		5.16
Aug. 13, 1969	179.15*	9.89	
Sept. 16, 1969	180.42	1.27	
Oct. 16, 1969	174.55		5.87
Nov. 18, 1969	165.07		9.48
Dec. 16, 1969	160.87		4.20
Jan. 15, 1970	157.45		3.42
Jan. 29, 1970	157.60	.15	
Feb. 17, 1970	158.49	.89	
Mar. 17, 1970	164.47	5.98	
Apr. 15, 1970	167.72*	3.25	
May 13, 1970	169.06*	1.34	
June 17, 1970	169.32*	.26	
July 15, 1970	167.63*		1.69
Aug. 18, 1970	176.70*	9.07	
Sept. 21, 1970	174.99		1.71
Oct. 14, 1970	172.41		2.58
Nov. 16, 1970	167.49		4.92
Dec. 3, 1970	165.06		2.43

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Rise
Well 46-36-201—Continued			
Jan. 19, 1971	160.89		4.17
Feb. 17, 1971	160.11*		.78
Mar. 15, 1971	161.66	1.55	
Apr. 19, 1971	172.50	10.84	
May 20, 1971	168.23		4.27
June 17, 1971	169.06	.83	
July 19, 1971	176.50*	7.44	
Aug. 16, 1971	169.70		6.80
Sept. 16, 1971	171.05	1.35	
Dec. 12, 1971	162.24		8.81
Dec. 5, 1972	162.68	.44	
Jan. 8, 1974	165.36	2.68	
Jan. 22, 1975	164.36		1.00
Feb. 4, 1976	159.75		4.61
Feb. 23, 1977	148.65		11.10
Jan. 19, 1978	143.98		4.67
Jan. 16, 1979	142.07		1.91
Jan. 16, 1980	138.37		3.70
Jan. 27, 1981	138.06		.31
Well 46-36-401			
Feb. 5, 1953		148.56	
Jan. 22, 1954	147.86		.70
Jan. 25, 1955	156.24	8.38	
Jan. 11, 1956	167.15	10.91	
Jan. 28, 1957	182.12	14.97	
Feb. 5, 1958	189.33	7.21	
Nov. 11, 1958	204.65	15.32	
Jan. 6, 1960	206.58	1.93	
Jan. 17, 1961	220.50	13.92	
Feb. 8, 1962	227.10	6.60	
Feb. 8, 1963	239.20	12.10	
Jan. 28, 1965	254.00	14.80	
Jan. 24, 1966	255.00	1.00	
Feb. 11, 1967	245.80		9.20
Jan. 25, 1968	238.00		7.80
Feb. 7, 1969	240.70	2.70	
Jan. 30, 1970	236.40Q		4.30
Dec. 3, 1970	299.00Q	62.60	
Dec. 12, 1971	210.40		88.60
Dec. 5, 1972	218.80	8.40	
Dec. 19, 1973	197.80		21.00
Jan. 22, 1975	200.28	2.48	
Feb. 4, 1976	173.78		26.50
Feb. 23, 1977	197.98	24.20	
Well 46-36-401—Continued			
Jan. 19, 1978	213.13Q	15.15	
Jan. 17, 1979	200.77Q		12.36
Jan. 16, 1980	198.68		2.09
Jan. 27, 1981	132.25		66.43
Well 46-36-901			
Mar. 3, 1948	22.80		
Feb. 5, 1949	30.35	7.55	
Jan. 24, 1950	42.72	12.37	
Feb. 28, 1950	43.02	.30	
Feb. 13, 1951	53.38	10.36	
Jan. 30, 1952	83.77	30.39	
Jan. 23, 1954	98.30	14.53	
Jan. 14, 1955	97.63		.67
Jan. 9, 1956	97.35		.28
Jan. 27, 1957	98.06	.71	
Feb. 5, 1958	97.40		.66
Dec. 12, 1958	210.39	112.99	
Jan. 8, 1960	183.55		26.84
Jan. 18, 1961	181.25		2.30
Feb. 8, 1962	179.30		1.95
Feb. 9, 1963	189.10	9.80	
Jan. 28, 1965	194.90	5.80	
Jan. 25, 1966	191.70		3.20
Feb. 11, 1967	191.30		.40
Jan. 26, 1968	190.75		.55
Feb. 7, 1969	194.85	4.10	
Jan. 29, 1970	193.91Q		.94
Dec. 13, 1971	188.55Q		5.36
Dec. 5, 1972	189.45	.90	
Jan. 9, 1974	95.72Q		93.73
Jan. 22, 1975	98.56	2.84	
Feb. 4, 1976	89.31		9.25
Feb. 25, 1977	96.30	6.99	
Jan. 19, 1978	96.40	.10	
Jan. 16, 1979	114.04	17.64	
Jan. 15, 1980	112.31		1.73
Well 46-36-903			
Feb. 18, 1949	33.87		
Oct. 21, 1949	61.65	27.78	
Feb. 28, 1950	45.62		16.03
Mar. 9, 1950	49.20	3.58	
Feb. 12, 1951	56.23	7.03	
Feb. 4, 1953	111.14	54.91	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-36-903—Continued			
Jan. 23, 1954	138.51	27.37	
Jan. 14, 1955	154.91	16.40	
Jan. 9, 1956	166.38	11.47	
Jan. 27, 1957	176.12	9.74	
Feb. 5, 1958	182.18	6.06	
Dec. 10, 1958	194.09	11.91	
Jan. 8, 1960	196.79	2.70	
Jan. 18, 1961	188.31		8.48
Feb. 8, 1963	199.60	11.29	
Feb. 2, 1964	207.60	8.00	
Jan. 28, 1965	211.90	4.30	
Jan. 25, 1966	215.47	3.57	
Feb. 11, 1967	213.84		1.63
July 19, 1967	213.24		.60
Jan. 26, 1968	214.88	1.64	
Feb. 7, 1969	220.06Q	5.18	
Apr. 24, 1969	165.27Q		54.79
Dec. 15, 1969	151.60		13.67
Jan. 14, 1970	148.24		3.36
Jan. 29, 1970	150.70	2.46	
Feb. 16, 1970	148.23		2.47
Mar. 17, 1970	151.74Q	3.51	
Apr. 16, 1970	151.03		.71
Aug. 18, 1970	154.78	3.75	
Sept. 21, 1970	151.79		2.99
Oct. 14, 1970	150.46		1.33
Nov. 17, 1970	152.09	1.63	
Dec. 7, 1970	160.21	8.12	
Dec. 9, 1970	160.21		
Jan. 19, 1971	152.39		7.82
Feb. 17, 1971	150.87		1.52
Mar. 15, 1971	150.99	.12	
Apr. 19, 1971	150.40		.59
Aug. 16, 1971	151.47	1.07	
Sept. 16, 1971	151.17		.30
Dec. 13, 1971	150.32		.85
Dec. 5, 1972	149.04		1.28
Jan. 9, 1974	150.99	1.95	
Jan. 22, 1975	151.58	.59	
Feb. 4, 1976	151.18		.40
Feb. 25, 1977	143.12		8.06
Jan. 19, 1978	153.98	10.86	
Jan. 16, 1979	150.18Q		3.80
Jan. 17, 1981	150.95	.77	
Well 46-42-810			
July 9, 1959	104.00		
Nov. 22, 1963	131.65	27.65	
Jan. 28, 1965	109.30		22.35
Feb. 9, 1967	155.25	45.95	
Jan. 26, 1968	153.52		1.73
Feb. 7, 1969	127.72		25.80
Jan. 29, 1970	130.88	3.16	
Sept. 3, 1970	193.62	62.74	
Dec. 10, 1970	146.49		47.13
Dec. 15, 1971	164.57	18.08	
Dec. 6, 1972	211.10	46.53	
Dec. 18, 1973	218.50	7.40	
Jan. 21, 1975	228.80Q	10.30	
Jan. 17, 1979	192.20		36.60
Jan. 16, 1980	139.00		53.20
Well 46-42-901			
Nov. 22, 1963	91.30		
Jan. 28, 1965	80.72		10.58
Jan. 23, 1966	88.52	7.80	
Feb. 9, 1967	87.40Q		1.12
Jan. 26, 1968	86.52		.88
Feb. 7, 1969	93.30Q	6.78	
Jan. 29, 1970	86.62Q		6.68
Nov. 25, 1970	103.73	17.11	
Dec. 10, 1970	99.92		3.81
Dec. 15, 1971	89.11		10.81
Dec. 6, 1972	92.65	3.54	
Dec. 18, 1973	81.64		11.01
Jan. 21, 1975	91.50Q	9.86	
Feb. 23, 1977	82.57		8.93
Jan. 19, 1978	92.40	9.83	
Jan. 17, 1979	96.60	4.20	
Well 46-43-501			
Jan. 2, 1959	255.88		
May 20, 1959	277.60	21.72	
Jan. 11, 1960	268.80		8.80
Jan. 17, 1961	281.02	12.22	
Feb. 8, 1962	279.48		1.54
Feb. 9, 1963	298.78	19.30	
Jan. 29, 1964	311.16	12.38	
Feb. 10, 1967	360.82*	49.66	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-43-501—Continued			
Jan. 26, 1968	358.22		2.60
Feb. 6, 1969	366.80	8.58	
Jan. 29, 1970	362.05		4.75
Jan. 9, 1974	367.84	5.79	
Jan. 22, 1975	371.38Q	3.54	
Feb. 4, 1976	370.76		.62
Feb. 23, 1977	397.79	27.03	
Jan. 18, 1978	395.63		2.16
Jan. 16, 1979	383.42		12.21
Jan. 15, 1980	360.77		22.65
Jan. 27, 1981	344.99		15.78
Well 46-43-902			
Jan. 7, 1959	234.70		
Dec. 20, 1959	225.10		9.60
Jan. 13, 1960	205.80		19.30
Jan. 17, 1961	203.10		2.70
Feb. 8, 1962	77.05		126.05
Feb. 9, 1963	79.56	2.51	
Jan. 29, 1964	61.32		18.24
Jan. 28, 1965	63.20	1.88	
Jan. 25, 1966	63.61	.41	
Feb. 10, 1967	65.75	2.14	
Jan. 26, 1968	67.34	1.59	
Feb. 5, 1969	64.26		3.08
Jan. 29, 1970	66.10	1.84	
Dec. 13, 1971	66.92	.82	
Dec. 6, 1972	66.89		.03
Jan. 9, 1974	65.72		1.17
Jan. 22, 1975	63.21		2.51
Feb. 3, 1976	72.57	9.36	
Feb. 23, 1977	109.59	37.02	
Jan. 18, 1978	80.65		28.94
Jan. 15, 1980	116.68	36.03	
Jan. 27, 1981	143.88	27.20	
Well 46-44-101			
Dec. 30, 1958	254.30		
Feb. 11, 1959	245.60		8.70
May 20, 1959	261.90	16.30	
Jan. 8, 1960	259.80		2.10
Jan. 17, 1961	255.20		4.60
Jan. 8, 1962	243.67		11.53
Feb. 9, 1963	276.60	32.93	
Jan. 29, 1964	284.11	7.51	
Jan. 28, 1965	266.94		17.17
Jan. 25, 1966	266.74		0.20
Feb. 10, 1967	267.42	0.68	
July 19, 1967	271.52	4.10	
Sept. 21, 1967	268.17		3.35
Nov. 21, 1967	268.96	.79	
Jan. 26, 1968	267.01		1.95
Mar. 19, 1968	267.36	.35	
May 22, 1968	268.48*	1.12	
July 16, 1968	266.94*		1.54
Sept. 26, 1968	266.92		.02
Nov. 21, 1968	266.91		.01
Feb. 6, 1969	239.40		27.51
Apr. 24, 1969	241.99	2.59	
June 25, 1969	266.73	24.74	
Aug. 13, 1969	267.15	.42	
Sept. 15, 1969	266.88		.27
Oct. 16, 1969	276.96	10.08	
Nov. 18, 1969	267.09		9.87
Dec. 15, 1969	267.00		.09
Jan. 14, 1970	247.76		19.24
Jan. 29, 1970	250.30	2.54	
Feb. 16, 1970	238.05		12.25
Mar. 17, 1970	238.35	.30	
Apr. 16, 1970	241.25	2.90	
May 12, 1970	241.38	.13	
June 17, 1970	266.48	25.10	
July 15, 1970	267.10	.62	
Aug. 18, 1970	267.18	.08	
Sept. 21, 1970	267.68	.50	
Oct. 14, 1970	267.14		.54
Nov. 17, 1970	261.18		5.96
Dec. 9, 1970	278.93	17.75	
Jan. 19, 1971	261.33		17.60
Feb. 17, 1971	263.36	2.03	
Mar. 15, 1971	261.39		1.97
Apr. 19, 1971	266.42	5.03	
May 20, 1971	266.62	.20	
June 17, 1971	267.29	.67	
July 20, 1971	267.37	.08	
Aug. 17, 1971	267.09		.28
Sept. 16, 1971	267.57	.48	
Dec. 13, 1971	267.83	.26	
Dec. 5, 1972	243.60		24.23
Jan. 8, 1974	237.47		6.13
Jan. 21, 1975	234.46		3.01
Feb. 4, 1976	228.59		5.87

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-44-101—Continued			
Feb. 23, 1977	214.57		14.02
Jan. 18, 1978	210.03		4.54
Jan. 16, 1979	204.48		5.55
Jan. 15, 1980	194.68		9.80
Jan. 27, 1981	197.13	2.45	
Well 46-44-102			
Feb. 23, 1949	86.05		
Feb. 28, 1950	96.48	10.43	
Feb. 10, 1951	106.74	10.26	
Jan. 30, 1952	142.55	35.81	
Jan. 11, 1956	228.89	86.34	
Dec. 6, 1958	271.70	42.81	
Jan. 8, 1960	277.30	5.60	
Well 46-44-203			
Feb. 21, 1949	64.74		
Feb. 28, 1950	76.82	12.08	
Feb. 12, 1951	89.68	12.86	
Dec. 30, 1958	223.00	133.32	
May 20, 1959	217.40		5.60
Jan. 8, 1960	218.10	.70	
Jan. 17, 1961	135.10		83.00
Feb. 8, 1962	132.98		2.12
Jan. 29, 1964	132.79		.19
Jan. 28, 1965	132.89	.10	
Jan. 25, 1966	133.90	1.01	
Feb. 10, 1967	133.06		.84
Jan. 26, 1968	131.48		1.58
Feb. 6, 1969	132.71	1.23	
Jan. 29, 1970	132.88	.17	
Dec. 9, 1970	99.65		33.23
Dec. 13, 1971	97.81		1.84
Dec. 5, 1972	97.23		.58
Jan. 8, 1974	94.32		2.91
Jan. 21, 1975	95.07	.75	
Feb. 4, 1976	92.26		2.81
Feb. 23, 1977	95.36	3.10	
Jan. 18, 1978	99.67	4.31	
Jan. 16, 1979	109.17	9.50	
Jan. 15, 1980	102.78		6.39
Well 46-44-501			
Jan. 30, 1952	92.09		
Feb. 5, 1953	121.29	29.20	
Well 46-44-501—Continued			
Jan. 23, 1954	148.07	26.78	
Jan. 24, 1955	160.12	12.05	
Jan. 10, 1956	175.10	14.98	
Dec. 8, 1958	192.98	17.88	
Feb. 11, 1959	178.90		14.08
May 21, 1959	185.70	6.80	
Jan. 11, 1960	183.90		1.80
Jan. 18, 1961	175.90		8.00
Feb. 8, 1963	180.30	4.40	
Jan. 29, 1964	182.89	2.59	
Apr. 28, 1964	195.68	12.79	
June 23, 1964	194.23		1.45
Nov. 17, 1964	189.99		4.24
Jan. 28, 1965	182.40		7.59
Mar. 17, 1965	182.52	.12	
May 25, 1965	184.67	2.15	
July 28, 1965	189.36	4.69	
Sept. 15, 1965	188.11		1.25
Nov. 16, 1965	182.74		5.37
Jan. 24, 1966	177.61		5.13
Mar. 23, 1966	179.01	1.40	
May 24, 1966	180.06	1.05	
July 19, 1966	185.22	5.16	
Sept. 19, 1966	186.10	.88	
Nov. 14, 1966	189.51	3.41	
Jan. 23, 1967	179.78		9.73
Mar. 20, 1967	190.75*	10.97	
May 23, 1967	184.39		6.36
July 19, 1967	184.68*	.29	
Sept. 21, 1967	184.64		.04
Nov. 21, 1967	181.13		3.51
Jan. 26, 1968	175.22		5.91
Mar. 19, 1968	179.36	4.14	
May 21, 1968	176.60		2.76
July 15, 1968	180.78	4.18	
Sept. 26, 1968	177.48		3.30
Nov. 21, 1968	173.72		3.76
Feb. 5, 1969	169.10		4.62
Apr. 24, 1969	173.82	4.72	
June 25, 1969	186.62	12.80	
Aug. 13, 1969	194.00	7.38	
Sept. 15, 1969	190.38		3.62
Oct. 16, 1969	180.97		9.41
Nov. 18, 1969	177.18		3.79
Dec. 15, 1969	177.03		.15
Jan. 14, 1970	171.96		5.07

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-44-501—Continued			
Jan. 29, 1970	170.72		1.24
Feb. 16, 1970	170.04		.68
Mar. 17, 1970	182.89	12.85	
Apr. 16, 1970	184.68	1.79	
May 12, 1970	176.30		8.38
June 17, 1970	188.86	12.56	
July 15, 1970	189.56	.70	
Aug. 18, 1970	193.02	3.46	
Sept. 21, 1970	190.88		2.14
Oct. 14, 1970	183.47		7.41
Nov. 17, 1970	180.30		3.17
Dec. 9, 1970	178.84		1.46
Dec. 14, 1970	179.00	.16	
Jan. 19, 1971	177.42		1.58
Feb. 16, 1971	181.06	3.64	
Mar. 15, 1971	189.73	8.67	
Apr. 20, 1971	192.16	2.43	
May 20, 1971	182.76		9.40
June 17, 1971	189.57*	6.81	
July 20, 1971	195.41*	5.84	
Aug. 17, 1971	189.11*		6.30
Sept. 16, 1971	191.61	2.50	
Oct. 13, 1971	181.48		10.13
Dec. 14, 1971	176.20		5.28
Jan. 15, 1972	174.43		1.77
Feb. 8, 1972	172.74		1.69
Mar. 7, 1972	178.95	6.21	
Apr. 7, 1972	182.07	3.12	
May 9, 1972	174.77		7.30
June 9, 1972	184.36	9.59	
July 4, 1972	182.55		1.81
Aug. 4, 1972	190.54	7.99	
Sept. 5, 1972	178.45		12.09
Oct. 5, 1972	185.18	6.73	
Dec. 6, 1972	173.62		11.56
Jan. 15, 1973	170.22		3.40
Feb. 21, 1973	177.81	7.59	
Mar. 19, 1973	178.37	.56	
Apr. 19, 1973	180.88	2.51	
May 19, 1973	173.29		7.59
June 19, 1973	181.22	7.93	
July 19, 1973	177.04		4.18
Aug. 23, 1973	179.55	2.51	
Sept. 19, 1973	180.60	1.05	
Oct. 19, 1973	174.14		6.46
Dec. 20, 1973	174.90	.76	
Well 46-44-501—Continued			
Jan. 16, 1975	165.23		9.67
July 24, 1975	168.49	3.26	
Aug. 24, 1975	173.03	4.54	
Sept. 24, 1975	173.08	.05	
Oct. 24, 1975	164.82		8.26
Nov. 24, 1975	162.57		2.25
Dec. 10, 1975	161.28		1.29
Jan. 26, 1976	158.68		2.60
Feb. 26, 1976	158.09		.59
Mar. 17, 1976	157.63		.46
May 11, 1976	156.89		.74
July 13, 1976	155.38		1.51
Aug. 11, 1976	155.18		.20
Sept. 11, 1976	154.78		.40
Oct. 11, 1976	153.20		1.58
Nov. 11, 1976	151.62		1.58
Dec. 11, 1976	150.52		1.10
Jan. 24, 1977	148.88		1.64
Feb. 24, 1977	147.96		.92
Apr. 18, 1977	148.22	.26	
June 8, 1977	148.85	.63	
Aug. 8, 1977	149.75	.90	
Oct. 17, 1977	148.32		1.43
Dec. 8, 1977	146.18		2.14
Jan. 8, 1978	145.48		.70
Jan. 17, 1978	144.44		1.04
Feb. 7, 1978	144.23		.21
Mar. 8, 1978	143.70		.53
Apr. 8, 1978	143.33		.37
May 24, 1978	143.80	.47	
June 21, 1978	143.29		.51
July 21, 1978	143.55	.26	
Aug. 31, 1978	142.51		1.04
Sept. 21, 1978	143.12	.61	
Oct. 18, 1978	141.74		1.38
Nov. 20, 1978	140.60		1.14
Dec. 19, 1978	139.46		1.14
Jan. 16, 1979	138.88		.58
Feb. 21, 1979	137.76		1.12
Mar. 16, 1979	137.48		.28
Jan. 15, 1980	135.20		2.28
Jan. 27, 1981	137.10	1.90	
Well 46-44-502			
Dec. 9, 1958	136.84		
Dec. 21, 1958	132.80		4.04

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-44-502—Continued			
Jan. 18, 1961	120.30		12.50
Feb. 8, 1962	123.23	2.93	
Feb. 9, 1963	128.64	5.41	
Jan. 28, 1965	119.30		9.34
Jan. 26, 1966	121.93	2.63	
Feb. 10, 1967	126.44	4.51	
Jan. 26, 1968	124.68		1.76
Feb. 6, 1969	125.82	1.14	
Jan. 29, 1970	113.68		12.14
Dec. 9, 1970	117.12	3.44	
Dec. 6, 1972	125.11	7.99	
Jan. 9, 1974	112.72		12.39
Jan. 22, 1975	107.97		4.75
Feb. 3, 1976	118.82	10.85	
Feb. 25, 1977	119.31Q	.49	
Jan. 16, 1979	104.38Q		14.93
Jan. 15, 1980	110.08	5.70	
Well 46-44-602			
Feb. 11, 1959	162.40		
May 21, 1959	166.70	4.30	
Jan. 9, 1960	164.38		2.32
Jan. 19, 1961	164.00		.38
Feb. 8, 1962	165.03	1.03	
Feb. 9, 1963	174.53	9.50	
Jan. 29, 1964	182.50	7.97	
Jan. 28, 1965	197.54	15.04	
Jan. 26, 1966	203.10	5.56	
Feb. 10, 1967	181.37Q		21.73
Jan. 26, 1968	179.36		2.01
Feb. 6, 1969	171.29		8.07
Jan. 29, 1970	172.78	1.49	
Dec. 13, 1971	182.05	9.27	
Jan. 8, 1974	178.50Q		3.55
Jan. 21, 1975	164.86		13.64
Feb. 4, 1976	157.17		7.69
Feb. 25, 1977	143.99		13.18
Jan. 17, 1978	151.52	7.53	
Jan. 16, 1979	141.19Q		10.33
Jan. 15, 1980	131.40Q		9.79
Jan. 27, 1981	135.40Q		
Well 46-44-704			
Jan. 7, 1959	242.93		
May 20, 1959	277.80	34.87	
Jan. 11, 1960	257.05		20.75
Jan. 17, 1961	280.00	22.95	
Jan. 29, 1964	310.45	30.45	
Jan. 28, 1965	335.42	24.97	
Jan. 26, 1966	331.66		3.76
Feb. 10, 1967	336.50	4.84	
Jan. 26, 1968	339.20*	2.70	
Feb. 5, 1969	344.53	5.33	
Jan. 29, 1970	350.28	5.75	
Dec. 13, 1971	346.48		3.80
Dec. 6, 1972	352.69Q	6.21	
Jan. 9, 1974	324.80		27.89
Jan. 22, 1975	318.65		6.15
Feb. 23, 1977	282.41		36.24
Jan. 16, 1979	251.89		30.52
Jan. 15, 1980	241.48		10.41
Well 46-44-803			
Apr. 25, 1947	20.92		
Dec. 15, 1948	17.40		3.52
Mar. 1, 1949	16.38		1.02
Jan. 22, 1950	18.92	2.54	
Feb. 27, 1950	22.10	3.18	
Feb. 13, 1951	21.51		.59
Feb. 5, 1953	46.95	25.44	
Jan. 23, 1954	46.60		.35
Jan. 24, 1955	46.58		.02
Jan. 10, 1956	46.18		.40
Feb. 6, 1958	44.50		1.68
Dec. 10, 1958	40.51		3.99
May 21, 1959	44.90	4.39	
Jan. 15, 1960	37.59		7.31
Jan. 18, 1961	29.93		7.66
Feb. 9, 1962	30.95	1.02	
Feb. 9, 1963	32.81	1.86	
Feb. 3, 1964	32.82	.01	
Jan. 28, 1965	37.60	4.78	
Jan. 26, 1966	44.59	6.99	
Feb. 10, 1967	34.51		10.08
July 20, 1967	38.48	3.97	
Jan. 26, 1968	36.25		2.23
Mar. 19, 1968	39.35	3.10	
May 21, 1968	36.52		2.83
July 16, 1968	35.10		1.42
Sept. 26, 1958	24.22		10.88

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-44-803—Continued			
Nov. 20, 1968	33.52	9.30	
Feb. 5, 1969	33.64	.12	
Apr. 24, 1969	39.55	5.91	
June 25, 1969	34.57		4.98
Aug. 12, 1969	34.53		.04
Sept. 15, 1969	44.69	10.16	
Oct. 16, 1969	43.77		.92
Nov. 18, 1969	40.94		2.83
Dec. 15, 1969	35.03		5.91
Jan. 14, 1970	34.88		.15
Jan. 29, 1970	34.73		.15
Feb. 16, 1970	43.39	8.66	
Mar. 17, 1970	42.39		1.00
Apr. 16, 1970	43.95	1.56	
May 12, 1970	44.20	.25	
June 17, 1970	37.39		6.81
July 15, 1970	35.11		2.28
Aug. 18, 1970	37.21	2.10	
Sept. 21, 1970	39.54	2.33	
Oct. 14, 1970	42.44	2.90	
Nov. 17, 1970	34.90		7.54
Dec. 9, 1970	37.54	2.64	
Jan. 19, 1971	34.36		3.18
Feb. 16, 1971	38.96*	4.60	
Mar. 15, 1971	44.11*	5.15	
Apr. 19, 1971	45.59	1.48	
May 20, 1971	45.76	.17	
June 17, 1971	38.63		7.13
July 20, 1971	38.69	.06	
Aug. 17, 1971	39.37	.68	
Sept. 16, 1971	40.48	1.11	
Dec. 14, 1971	36.23		4.25
Dec. 6, 1972	40.39	4.16	
Jan. 9, 1974	33.43		6.96
Jan. 21, 1975	22.58		10.85
Feb. 3, 1976	26.88	4.30	
Feb. 25, 1977	35.42	8.54	
Jan. 17, 1978	40.37	4.95	
Jan. 16, 1979	42.19	1.82	
Jan. 15, 1980	50.58	8.39	
Well 46-45-801			
Sept. 19, 1940	31.40		
Jan. 24, 1947	30.25		1.15
Mar. 21, 1950	33.78	3.53	
Jan. 29, 1952	38.77	4.99	
Feb. 7, 1953	42.72	3.95	
Jan. 21, 1954	50.85	8.13	
Jan. 13, 1955	60.20	9.35	
Jan. 8, 1956	54.90		5.30
Feb. 6, 1958	60.01	5.11	
May 19, 1959	64.38	4.37	
Jan. 23, 1960	70.10	5.72	
Jan. 19, 1961	67.95		2.15
Feb. 9, 1962	66.74		1.21
Feb. 3, 1964	64.59		2.15
Jan. 28, 1965	80.24	15.65	
Feb. 10, 1967	85.58	5.34	
Jan. 24, 1968	86.52	.94	
Feb. 6, 1969	85.32		1.20
Jan. 30, 1970	88.83	3.51	
Dec. 9, 1970	92.89	4.06	
Dec. 13, 1971	93.36	.47	
Dec. 5, 1972	89.84		3.52
Dec. 19, 1973	82.50		7.34
Jan. 17, 1975	88.09	5.59	
Feb. 21, 1977	88.84	.75	
Jan. 17, 1978	80.00		8.84
Jan. 15, 1979	80.80	.80	
Jan. 14, 1980	91.89	11.09	
Jan. 26, 1981	76.44Q		15.45
Well 46-46-101			
Jan. 22, 1958	43.29		
Feb. 17, 1959	45.12	1.83	
Jan. 23, 1960	41.19		3.93
Jan. 19, 1961	37.97		3.22
Feb. 9, 1962	39.45	1.48	
Feb. 9, 1963	45.08	5.63	
Jan. 29, 1964	41.27		3.81
Jan. 28, 1965	45.35	4.08	
Jan. 23, 1966	39.34		6.01
Feb. 9, 1967	40.06	.72	
Jan. 26, 1968	39.27		.79
Feb. 6, 1969	40.00	.73	
Jan. 30, 1970	38.95		1.05
Dec. 9, 1970	39.69	.74	
Dec. 13, 1971	39.96	.27	
Dec. 5, 1972	43.45	3.49	
Dec. 19, 1973	39.66		3.79

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-46-101—Continued			
Jan. 17, 1975	33.40		6.26
Feb. 2, 1976	39.50	6.10	
Jan. 17, 1978	38.61		.89
Jan. 15, 1979	36.79		1.82
Jan. 14, 1980	38.42	1.63	
Jan. 26, 1981	46.09	7.67	
Well 46-50-402			
Sept. 18, 1970	32.00		
Dec. 14, 1971	32.51	.51	
Dec. 6, 1972	88.81	56.30	
Dec. 18, 1973	117.67	28.86	
Jan. 21, 1975	93.21		24.46
Jan. 21, 1976	36.97		56.24
Feb. 4, 1976	36.15		.82
Mar. 16, 1976	37.81	1.66	
July 14, 1976	30.05		7.76
Sept. 15, 1976	23.46		6.59
Dec. 20, 1976	34.08	10.62	
Feb. 21, 1977	27.67		6.41
Apr. 18, 1977	29.48	1.81	
June 8, 1977	37.00	7.52	
Aug. 8, 1977	41.20	4.20	
Oct. 17, 1977	49.53	8.33	
Dec. 8, 1977	52.03	2.50	
Feb. 7, 1978	54.98	2.95	
Mar. 28, 1978	59.54	4.56	
June 20, 1978	65.74	6.20	
Sept. 21, 1978	66.76	1.02	
Dec. 19, 1978	56.17		10.59
Mar. 16, 1979	48.98		7.19
Dec. 11, 1979	63.97	14.99	
Dec. 16, 1980	63.17		.80
Well 46-51-601			
Feb. 5, 1958	213.62		
Jan. 5, 1959	216.58	2.96	
May 20, 1960	230.40	13.82	
Jan. 18, 1961	231.82	1.42	
Feb. 9, 1962	245.66*	13.84	
Feb. 9, 1963	253.81	8.15	
Feb. 3, 1964	272.12	18.31	
Jan. 27, 1965	284.74Q	12.62	
Jan. 26, 1966	295.59	10.85	
Feb. 10, 1967	332.02*	36.43	
Jan. 26, 1968	334.96	2.94	
Feb. 5, 1969	336.77*	1.81	
Jan. 30, 1970	292.15		44.62
Dec. 14, 1971	287.37		4.78
Dec. 6, 1972	289.54	2.17	
Jan. 9, 1974	296.70Q	7.16	
Jan. 21, 1975	331.62	34.92	
Feb. 3, 1976	232.87		98.75
Feb. 23, 1977	317.22	84.35	
Jan. 18, 1978	310.09Q		7.13
Jan. 16, 1979	322.66Q	12.57	
Jan. 15, 1980	289.90Q		32.76
Jan. 27, 1981	328.53Q	38.63	
Well 46-51-903			
Jan. 17, 1961	207.98		
Feb. 9, 1962	221.16	13.18	
Feb. 9, 1963	233.25	12.09	
Feb. 3, 1964	245.86	12.61	
Jan. 28, 1965	258.40	12.54	
Jan. 26, 1966	265.76	7.36	
Feb. 10, 1967	285.40*	19.64	
Jan. 26, 1968	291.44	6.04	
Feb. 4, 1969	292.10	.66	
Jan. 30, 1970	317.59	25.49	
Dec. 9, 1970	316.65		.94
Dec. 14, 1971	328.92	12.27	
Dec. 7, 1972	333.82	4.90	
Jan. 10, 1974	317.20		16.62
Jan. 21, 1975	337.20	20.00	
Feb. 3, 1976	345.83	8.63	
Feb. 23, 1977	352.07	6.24	
Jan. 18, 1978	332.45		19.62
Jan. 16, 1979	298.06Q		34.39
Jan. 15, 1980	330.67Q	32.61	
Jan. 27, 1981	323.44		7.23
Well 46-52-101			
Jan. 7, 1959	160.70		
May 20, 1959	163.90	3.20	
Jan. 14, 1960	154.60		9.30
Jan. 17, 1961	147.06		7.54
Feb. 8, 1962	150.27	3.21	
Feb. 9, 1963	138.83		11.44
Feb. 3, 1964	134.25		4.58

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-52-101—Continued			
Jan. 27, 1965	127.52		6.73
Jan. 26, 1966	120.18		7.34
Feb. 10, 1967	129.15*	8.97	
July 20, 1967	130.84	1.69	
Sept. 21, 1967	128.42		2.42
Nov. 21, 1967	119.96		8.46
Jan. 26, 1968	119.44		.52
Mar. 19, 1968	131.16	11.72	
May 21, 1968	138.94	7.78	
July 15, 1968	144.52	5.58	
Sept. 26, 1968	125.63		18.89
Nov. 20, 1968	123.31		2.32
Feb. 5, 1969	132.34	9.03	
Apr. 24, 1969	125.20		7.14
June 25, 1969	133.85	8.65	
Aug. 12, 1969	142.10	8.25	
Sept. 15, 1969	143.30	1.20	
Oct. 16, 1969	143.70	.40	
Nov. 18, 1969	127.35		16.35
Dec. 15, 1969	121.27		6.08
Jan. 14, 1970	118.67		2.60
Jan. 30, 1970	133.88	15.21	
Feb. 16, 1970	137.47	3.59	
Mar. 16, 1970	140.80	3.33	
Apr. 16, 1970	141.70	.90	
May 12, 1970	140.90		.80
June 17, 1970	132.88		8.02
July 15, 1970	144.81	11.93	
Aug. 18, 1970	147.09	2.28	
Sept. 21, 1970	145.40		1.69
Oct. 14, 1970	144.74		.66
Nov. 17, 1970	130.87		13.87
Dec. 9, 1970	125.02		5.85
Dec. 15, 1970	123.61		1.41
Jan. 19, 1971	118.87		4.74
Feb. 16, 1971	150.16*	31.29	
Mar. 15, 1971	152.89*	2.73	
Apr. 19, 1971	149.16*		3.73
May 20, 1971	150.12	.96	
June 17, 1971	146.81		3.31
July 20, 1971	153.57	6.76	
Aug. 17, 1971	157.77	4.20	
Sept. 16, 1971	153.34		4.43
Dec. 14, 1971	132.26		21.08
Dec. 6, 1972	130.61		1.65
Jan. 9, 1974	136.30	5.69	
Jan. 21, 1975	129.99		6.31
Feb. 3, 1976	127.87		2.12
Feb. 23, 1977	127.56		.31
Jan. 18, 1978	137.38	9.82	
Jan. 27, 1981	148.62	11.24	
Well 46-52-102			
Jan. 30, 1952	54.20		
Feb. 6, 1953	59.56	5.36	
Jan. 23, 1954	62.22	2.66	
Jan. 24, 1955	56.51		5.71
Jan. 10, 1956	50.95		5.56
Jan. 27, 1957	44.88		6.07
Feb. 4, 1958	41.18		3.70
Jan. 9, 1959	36.80		4.38
Jan. 13, 1960	30.20		6.60
Jan. 17, 1961	29.85		.35
Feb. 8, 1962	28.63		1.22
Feb. 9, 1963	24.54		4.09
Feb. 3, 1964	29.98	5.44	
Jan. 28, 1965	30.08	.10	
Jan. 26, 1966	29.77		.31
Feb. 10, 1967	26.74*		3.03
Jan. 26, 1968	26.90	.16	
Feb. 5, 1969	21.19		5.71
Jan. 30, 1970	21.38	.19	
Dec. 14, 1971	18.02		3.36
Dec. 6, 1972	20.81	2.79	
Jan. 9, 1974	22.02	1.21	
Jan. 21, 1975	17.73		4.29
Feb. 3, 1976	20.01	2.28	
Feb. 23, 1977	29.38	9.37	
Jan. 18, 1978	37.71	8.33	
Jan. 16, 1979	42.17	4.46	
Jan. 15, 1980	46.90	4.73	
Well 46-52-104			
Feb. 7, 1949	32.71		
Jan. 17, 1950	46.90	14.19	
Mar. 1, 1950	51.23	4.33	
Feb. 10, 1951	63.66	12.43	
Jan. 30, 1952	82.86	19.20	
Feb. 6, 1953	108.72	25.86	
Jan. 23, 1954	145.80	37.08	
Jan. 24, 1955	150.16	4.36	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-52-104—Continued			
Jan. 7, 1959	201.90	51.74	
Jan. 14, 1960	206.20	4.30	
Jan. 18, 1961	196.40		9.80
Feb. 3, 1964	182.20		14.20
Jan. 28, 1965	178.32		3.88
Jan. 27, 1966	180.71	2.39	
Dec. 14, 1971	184.95	4.24	
Dec. 6, 1972	187.04	2.09	
Jan. 9, 1974	182.45		4.59
Jan. 21, 1975	182.86Q	.41	
Feb. 3, 1976	188.42	5.56	
Feb. 23, 1977	178.06		10.36
Jan. 16, 1979	185.93	7.87	
Jan. 15, 1980	180.03		5.90
Well 46-52-201			
Dec. 17, 1958	108.28		
Jan. 15, 1960	98.62		9.66
Jan. 18, 1961	84.90		13.72
Feb. 9, 1962	82.19		2.71
Feb. 10, 1963	84.41	2.22	
Feb. 3, 1964	88.07	3.66	
Jan. 28, 1965	92.52	4.45	
Jan. 27, 1966	91.10		1.42
Feb. 10, 1967	91.05		.05
Jan. 26, 1968	82.10		8.95
Feb. 5, 1969	86.98	4.88	
Jan. 30, 1970	84.30		2.68
Dec. 9, 1970	85.97	1.67	
Dec. 14, 1971	89.32	3.35	
Dec. 6, 1972	77.38		11.94
Jan. 9, 1974	79.35	1.97	
Jan. 21, 1975	93.90		15.45
Feb. 3, 1976	79.73	15.83	
Feb. 25, 1977	75.55		4.18
Jan. 17, 1978	93.27	17.72	
Jan. 16, 1979	89.92		3.35
Well 46-52-204			
Sept. 12, 1940	23.36		
Feb. 12, 1941	17.25		6.11
Nov. 8, 1946	19.62	2.37	
Mar. 3, 1948	19.11		.51
Feb. 7, 1949	23.42	4.31	
Jan. 17, 1950	26.49	3.07	
Feb. 27, 1950	25.75		0.74
Feb. 13, 1951	28.11	2.36	
Jan. 30, 1952	35.56	7.45	
Feb. 6, 1953	44.22	8.66	
Jan. 23, 1954	52.55	8.33	
Jan. 24, 1955	52.77	.22	
Jan. 10, 1956	52.02		.75
Jan. 27, 1957	48.68		3.34
Feb. 4, 1958	47.55		1.13
Dec. 11, 1958	41.14		6.41
Jan. 15, 1960	33.97		7.17
Jan. 18, 1961	28.34		5.63
Feb. 9, 1962	26.24		2.10
Feb. 9, 1963	27.95	1.71	
Feb. 3, 1964	27.12		.83
Jan. 28, 1965	27.74	.62	
Jan. 26, 1966	28.11	.37	
Feb. 10, 1967	29.51	1.40	
Jan. 26, 1968	29.17		.34
Feb. 5, 1969	30.85	1.68	
Jan. 30, 1970	31.14	.29	
Dec. 14, 1971	31.43	.29	
Dec. 6, 1972	32.28	.85	
Jan. 9, 1974	29.69		2.59
Jan. 21, 1975	19.96		9.73
Feb. 3, 1976	25.27	5.31	
Feb. 25, 1977	33.55	8.28	
Jan. 16, 1979	43.50	9.95	
Jan. 15, 1980	54.41Q	10.91	
Well 46-52-404			
Jan. 7, 1959	100.10		
May 25, 1965	120.16	20.06	
July 28, 1965	164.26*	44.10	
Sept. 15, 1965	152.22*		12.04
Nov. 16, 1965	112.26		39.96
Jan. 24, 1966	99.17		13.09
Mar. 23, 1966	126.64	27.47	
May 24, 1966	139.34	12.70	
July 19, 1966	178.28	38.94	
Sept. 19, 1966	130.80		47.48
Nov. 14, 1966	155.10	24.30	
Jan. 23, 1967	117.82		37.28
Feb. 10, 1967	119.07	1.25	
Mar. 20, 1967	169.19*	50.12	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-52-404—Continued			
May 23, 1967	154.92		14.27
July 19, 1967	180.10*	25.18	
Sept. 21, 1967	137.97		42.13
Nov. 21, 1967	130.28		7.69
Jan. 26, 1968	109.45		20.83
Mar. 19, 1968	164.60*	55.15	
May 21, 1968	153.65*		10.95
July 15, 1968	159.05*	5.40	
Sept. 25, 1968	121.93		37.12
Oct. 10, 1968	115.50		6.43
Nov. 20, 1968	113.30		2.20
Feb. 5, 1969	125.47	12.17	
Apr. 23, 1969	129.45	3.98	
June 24, 1969	136.35	6.90	
Aug. 12, 1969	150.94	14.59	
Sept. 15, 1969	131.91		19.03
Oct. 15, 1969	127.60		4.31
Nov. 18, 1969	116.86		10.74
Dec. 15, 1969	122.66	5.80	
Jan. 14, 1970	100.92		21.74
Jan. 30, 1970	118.16*	17.24	
Feb. 16, 1970	102.81		15.35
Mar. 16, 1970	140.69	37.88	
Apr. 16, 1970	152.73	12.04	
May 12, 1970	147.42*		5.31
June 17, 1970	144.69*		2.73
July 15, 1970	160.04*	15.35	
Aug. 18, 1970	151.61*		8.43
Sept. 21, 1970	123.17		28.44
Oct. 14, 1970	121.20		1.97
Nov. 17, 1970	131.74	10.54	
Dec. 9, 1970	108.51		23.23
Dec. 15, 1970	107.99		.52
Jan. 19, 1971	111.56	3.57	
Feb. 16, 1971	121.96*	10.40	
Mar. 15, 1971	137.85*	15.89	
Apr. 20, 1971	152.38*	14.53	
May 20, 1971	144.15		8.23
June 17, 1971	160.40*	16.25	
July 20, 1971	166.69*	6.29	
Aug. 17, 1971	159.98*		6.71
Sept. 16, 1971	131.86		28.12
Oct. 13, 1971	122.61		9.25
Dec. 14, 1971	111.62		10.99
Feb. 8, 1972	110.99		.63
Mar. 7, 1972	139.96	28.97	
Well 46-52-404—Continued			
Apr. 7, 1972	153.69	13.73	
June 9, 1972	143.72		9.97
Aug. 4, 1972	156.64	12.92	
Dec. 6, 1972	104.39		52.25
Feb. 21, 1973	104.51	.12	
Apr. 19, 1973	133.64	29.13	
June 19, 1973	149.15	15.51	
Aug. 23, 1973	147.46		1.69
Oct. 19, 1973	121.76		25.70
Dec. 20, 1973	107.19		14.57
Jan. 17, 1975	68.60		38.59
Feb. 3, 1976	91.52	22.92	
Feb. 23, 1977	87.13		4.39
Jan. 17, 1978	102.39	15.26	
Jan. 16, 1979	100.64		1.75
Jan. 15, 1980	109.80	9.16	
Well 46-52-501			
Feb. 4, 1958	88.69		
Jan. 9, 1959	86.80		1.89
May 18, 1959	99.15	12.35	
Jan. 15, 1960	80.45		18.70
Feb. 9, 1962	72.56		7.89
Feb. 10, 1963	75.20	2.64	
Feb. 3, 1964	73.74		1.46
Jan. 28, 1965	82.97	9.23	
Jan. 26, 1966	81.58		1.39
Jan. 27, 1968	78.25		3.33
Feb. 5, 1969	79.06	.81	
Jan. 30, 1970	49.25		29.81
Dec. 9, 1970	87.91	38.66	
Dec. 14, 1971	49.19		38.72
Dec. 6, 1972	53.41	4.22	
Dec. 20, 1973	48.80		4.61
Jan. 21, 1975	45.73		3.07
Feb. 23, 1977	80.91	35.18	
Jan. 17, 1978	51.15Q		29.76
Jan. 15, 1979	48.58Q		2.57
Jan. 27, 1981	49.13	.55	
Well 46-52-703			
Jan. 12, 1959	140.82		
May 21, 1959	171.20	30.38	
Jan. 16, 1960	140.80		30.40
Jan. 18, 1961	132.20		8.60

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-52-703—Continued			
Feb. 8, 1962	123.71		8.49
Feb. 3, 1964	128.29	4.58	
Jan. 28, 1965	133.16	4.87	
Mar. 23, 1966	133.51	.35	
Feb. 10, 1967	132.96*		.55
July 20, 1967	132.10		.86
Sept. 21, 1967	131.91*		.19
Nov. 21, 1967	126.29		5.62
Jan. 26, 1968	124.09		2.20
Mar. 19, 1968	123.48*		.61
May 21, 1968	128.14	4.66	
Sept. 25, 1968	125.33		2.81
Nov. 20, 1968	126.22	.89	
Feb. 4, 1969	124.85*		1.37
Apr. 23, 1969	131.05	6.20	
June 24, 1969	129.97		1.08
Aug. 12, 1969	130.57	.60	
Sept. 15, 1969	130.33		.24
Oct. 15, 1969	126.76		3.57
Nov. 17, 1969	125.22		1.54
Dec. 15, 1969	125.66	.44	
Jan. 14, 1970	124.06		1.60
Jan. 30, 1970	124.12*	.06	
Feb. 16, 1970	122.72		1.40
Mar. 16, 1970	121.58*		1.14
Apr. 16, 1970	124.79*	3.21	
May 12, 1970	126.83*	2.04	
June 17, 1970	128.44*	1.61	
July 15, 1970	128.99*	.55	
Aug. 18, 1970	129.32*	.33	
Oct. 14, 1970	125.62		3.70
Nov. 17, 1970	123.26		2.36
Dec. 9, 1970	121.17		2.09
Dec. 15, 1970	120.58		.59
Jan. 19, 1971	120.97	.39	
Feb. 16, 1971	119.01*		1.96
Mar. 15, 1971	127.04	8.03	
Apr. 19, 1971	127.47	.43	
May 20, 1971	128.54	1.07	
June 17, 1971	129.31	.77	
July 20, 1971	126.65*		2.66
Aug. 17, 1971	127.05*	.40	
Sept. 16, 1971	124.50*		2.55
Dec. 14, 1971	122.71		1.79
Dec. 6, 1972	127.59	4.88	
Jan. 10, 1974	122.09		5.50
Jan. 21, 1975	98.50		23.59
Feb. 3, 1976	116.78	18.28	
Feb. 23, 1977	127.84	11.06	
Jan. 18, 1978	136.50	8.66	
Jan. 16, 1979	163.67	27.17	
Jan. 15, 1980	150.35		13.32
Well 46-54-701			
Jan. 29, 1959	101.30		
Jan. 22, 1960	127.45	26.15	
Jan. 19, 1961	127.90	.45	
Feb. 9, 1962	129.03	1.13	
Feb. 10, 1963	132.20	3.17	
Feb. 3, 1964	129.61*		2.59
Jan. 28, 1965	139.60	9.99	
Jan. 23, 1966	133.39		6.21
Feb. 10, 1967	140.60	7.21	
Jan. 24, 1968	148.65	8.05	
Feb. 5, 1969	151.23	2.58	
Jan. 30, 1970	151.40	.17	
Dec. 9, 1970	147.97		3.43
Dec. 13, 1971	151.66	3.69	
Dec. 5, 1972	132.53		19.13
Dec. 19, 1973	151.20	18.67	
Jan. 17, 1975	151.35Q	.15	
Feb. 3, 1976	151.84	.49	
Feb. 21, 1977	146.66		5.18
Jan. 17, 1978	149.72	3.06	
Jan. 15, 1979	149.05Q		.67
Jan. 14, 1980	139.75Q		9.30
Jan. 26, 1981	148.75Q	9.00	
Well 46-55-201			
Jan. 30, 1959	94.02		
May 22, 1959	108.70	14.68	
Jan. 19, 1961	104.44		4.26
Feb. 9, 1963	107.77	3.33	
Feb. 5, 1964	118.52	10.75	
Jan. 28, 1965	113.08		5.44
Jan. 21, 1966	112.00		1.08
Feb. 7, 1967	119.14	7.14	
Jan. 26, 1968	119.38		.76
Feb. 6, 1969	121.90*	3.52	
Jan. 30, 1970	119.38		2.52
Dec. 10, 1970	126.62	7.24	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-55-201—Continued			
Dec. 13, 1971	129.65	3.03	
Dec. 5, 1972	130.96	1.31	
Jan. 17, 1975	125.58		5.38
Feb. 2, 1976	125.85	.27	
Feb. 21, 1977	122.65		3.20
Jan. 17, 1978	136.00*	13.35	
Jan. 15, 1979	121.58		14.42
Jan. 14, 1980	121.57		.01
Jan. 26, 1981	123.46	1.89	
Well 46-58-403			
Sept. 7, 1940	233.40		
June 12, 1959	32.20		201.20
May 16, 1969	73.26	41.06	
June 16, 1970	94.17	20.91	
Dec. 15, 1971	77.37		16.80
Dec. 6, 1972	130.86	53.49	
Jan. 21, 1975	116.41		14.45
Dec. 3, 1975	102.06		14.35
Feb. 22, 1977	84.18		17.88
Jan. 18, 1978	89.30	5.12	
Jan. 11, 1979	88.84		.46
Jan. 10, 1980	104.08	15.24	
Jan. 15, 1981	86.23		17.85
Well 46-59-105			
Jan. 20, 1959	288.80		
Feb. 9, 1959	287.40		1.40
Jan. 18, 1960	299.80	12.40	
May 27, 1969	356.45	56.65	
Nov. 17, 1969	353.50		2.95
Dec. 15, 1969	351.36		2.14
Jan. 14, 1970	349.85		1.51
Jan. 29, 1970	349.26		.59
Feb. 16, 1970	347.98		1.28
Mar. 16, 1970	355.50*		7.52
Apr. 16, 1970	356.55*	1.05	
May 12, 1970	357.22	.67	
June 16, 1970	366.20	8.98	
July 15, 1970	357.48		8.72
Sept. 21, 1970	358.46	.98	
Oct. 14, 1970	356.83		1.63
Dec. 10, 1970	354.81		2.02
Dec. 15, 1970	353.80		1.01
Jan. 19, 1971	350.63		3.17
Well 46-59-105—Continued			
Feb. 16, 1971	350.26		0.37
Mar. 15, 1971	355.06*	4.80	
Apr. 19, 1971	357.68*	2.62	
May 20, 1971	359.36*	1.68	
June 17, 1971	365.07	5.71	
July 20, 1971	358.33		6.74
Aug. 17, 1971	357.19		1.14
Sept. 16, 1971	361.26	4.07	
Dec. 14, 1971	354.63		6.63
Dec. 7, 1972	360.27	5.64	
Dec. 20, 1973	343.65		16.62
Jan. 20, 1975	368.20	24.55	
Dec. 3, 1976	349.88		18.32
Feb. 22, 1977	361.82	11.94	
Jan. 18, 1978	359.47		2.35
Jan. 16, 1979	356.08		3.39
Jan. 15, 1980	359.95	3.87	
Well 46-59-201			
Jan. 17, 1961	280.84		
Feb. 8, 1962	294.31	13.47	
Feb. 8, 1963	306.45	12.14	
Jan. 29, 1964	319.12	12.67	
Jan. 28, 1965	331.87	12.75	
Jan. 27, 1966	338.34	6.47	
Feb. 9, 1967	347.30	8.96	
Jan. 27, 1968	351.66	4.36	
Jan. 29, 1970	402.51	50.85	
Dec. 9, 1970	447.42	44.91	
Dec. 14, 1971	443.72		3.70
Dec. 7, 1972	445.04	1.32	
Jan. 10, 1974	420.11		24.93
Feb. 3, 1976	434.28	14.17	
Jan. 18, 1978	446.72	12.44	
Jan. 16, 1979	438.14Q		8.58
Jan. 15, 1980	389.15		48.99
Jan. 26, 1981	382.60Q		6.55
Well 46-59-401			
Jan. 21, 1959	261.99		
Feb. 9, 1959	257.58		4.41
Jan. 19, 1961	265.60	8.02	
Feb. 8, 1962	276.90	11.30	
Feb. 8, 1963	282.64	5.74	
Jan. 29, 1964	275.19		7.45

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-59-401—Continued			
Jan. 28, 1965	273.44		1.75
Jan. 27, 1966	280.96	7.52	
Feb. 9, 1967	275.68		5.28
Jan. 27, 1968	277.12	1.44	
Feb. 4, 1969	314.72*	37.60	
Jan. 29, 1970	294.40		20.32
Sept. 9, 1970	366.54	72.14	
Dec. 9, 1970	301.02		65.52
Dec. 14, 1971	327.67	26.65	
Jan. 10, 1974	321.66		6.01
Jan. 18, 1978	314.70		6.96
Jan. 16, 1979	309.75		4.95
Jan. 15, 1980	328.13	18.38	
Jan. 26, 1981	349.49Q	21.36	
Well 46-60-201			
Jan. 19, 1959	171.17		
Feb. 9, 1959	186.45	15.28	
May 19, 1959	264.80	78.35	
Jan. 19, 1961	192.60		72.20
Jan. 29, 1964	121.60		71.00
Jan. 28, 1965	193.00*	71.40	
Jan. 26, 1966	122.39		70.61
Jan. 27, 1968	128.46	6.07	
Feb. 4, 1969	125.30Q		3.16
Jan. 30, 1970	151.03Q	25.73	
Sept. 21, 1970	121.03		30.00
Oct. 14, 1970	121.06	.03	
Nov. 17, 1970	121.99	.93	
Dec. 15, 1970	120.43		1.56
Jan. 19, 1971	119.27		1.16
Feb. 16, 1971	124.17	4.90	
Apr. 19, 1971	121.18		2.99
May 20, 1971	134.19*	13.01	
Dec. 14, 1971	120.89		13.30
Dec. 6, 1972	122.77	1.88	
Jan. 10, 1974	120.05		2.72
Jan. 16, 1975	121.41	1.36	
Feb. 3, 1976	121.84	.43	
Feb. 23, 1977	129.40	7.56	
Jan. 18, 1978	121.96Q		7.44
Jan. 16, 1979	161.65Q	39.69	
Jan. 14, 1980	246.12Q	84.47	
Jan. 27, 1981	250.91Q	4.79	
Well 46-60-701			
Jan. 19, 1961	182.00		
Feb. 8, 1962	152.70		29.30
Jan. 29, 1964	246.58*	93.88	
Jan. 28, 1965	271.10*	24.52	
Jan. 24, 1966	267.48		3.62
Feb. 9, 1967	272.15*	4.67	
Jan. 27, 1968	275.58	3.43	
Feb. 4, 1969	255.00*		20.58
Jan. 29, 1970	247.47		7.53
Sept. 15, 1970	281.50*	34.03	
Dec. 10, 1970	262.58		18.92
Dec. 14, 1971	263.28	.70	
Dec. 6, 1972	244.92		18.36
Dec. 20, 1973	245.06	.14	
Jan. 16, 1975	236.41		8.65
Feb. 22, 1977	242.74	6.33	
Jan. 15, 1979	237.25		5.49
Well 46-60-902			
Aug. 6, 1959	439.20		
Jan. 29, 1964	375.32		63.88
Jan. 28, 1965	264.85		110.47
Jan. 24, 1966	272.98	8.13	
Feb. 9, 1967	269.89		3.09
Jan. 27, 1968	272.24	2.35	
Feb. 3, 1969	278.97	6.73	
Jan. 29, 1970	251.25		27.72
Dec. 10, 1970	249.25		2.00
Dec. 14, 1971	250.62	1.37	
Dec. 6, 1972	251.53	.91	
Dec. 20, 1973	252.14	.61	
Jan. 16, 1975	251.42		.72
Feb. 3, 1976	258.35	6.93	
Feb. 22, 1977	255.81		2.54
Jan. 8, 1978	263.58	7.77	
Jan. 15, 1979	303.58	40.00	
Jan. 14, 1980	251.75		51.83
Jan. 26, 1981	282.94Q	31.19	
Well 46-61-201			
Jan. 28, 1959	172.50		
Feb. 12, 1959	165.40		7.10
May 21, 1959	264.50	99.10	
Jan. 19, 1961	162.42		102.08

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Reeves County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-61-201—Continued			
Feb. 8, 1962	144.32		18.10
Jan. 28, 1965	171.58*	27.26	
Jan. 23, 1966	171.60	.02	
Feb. 10, 1967	188.65*	17.05	
Jan. 24, 1968	196.28	7.63	
Feb. 4, 1969	202.51	6.23	
Jan. 30, 1970	203.26	.75	
Dec. 13, 1971	206.16	2.90	
Dec. 5, 1972	205.97		.19
Feb. 3, 1976	194.66		11.31
Feb. 21, 1977	182.34		12.32
Jan. 17, 1978	176.58		5.76
Jan. 15, 1979	167.75		8.83
Jan. 26, 1981	164.24		3.51
Well 52-03-301			
Nov. 12, 1958	243.18		
Feb. 12, 1959	237.72		5.46
Jan. 21, 1960	251.00	13.28	
Jan. 18, 1961	209.26		41.74
Feb. 8, 1962	211.16	1.90	
Jan. 29, 1964	211.59	.43	
Jan. 28, 1965	213.45	1.86	
Jan. 24, 1966	236.39	22.94	
Feb. 9, 1967	306.49*	70.10	
Feb. 4, 1969	283.58*		22.91
Well 52-03-301—Continued			
Oct. 15, 1969	210.35		73.23
Jan. 29, 1970	210.50	0.15	
Dec. 9, 1970	208.22		2.28
Dec. 15, 1971	210.04	1.82	
Dec. 6, 1972	209.49		.55
Dec. 20, 1973	207.84		1.65
Feb. 3, 1976	209.17	1.33	
Feb. 22, 1977	209.10		.07
Jan. 11, 1979	247.80Q	38.70	
Jan. 10, 1980	319.55Q	71.75	
Jan. 15, 1981	317.10Q		2.45
Well 52-03-302			
Nov. 6, 1958	254.00		
Jan. 21, 1960	265.00	11.00	
Jan. 17, 1961	275.60	10.60	
July 9, 1969	314.70	39.10	
Jan. 30, 1970	315.35	.65	
Dec. 15, 1971	320.81	5.46	
Dec. 6, 1972	327.61	6.80	
Dec. 20, 1973	331.80	4.19	
Jan. 16, 1975	329.65		2.15
Dec. 3, 1976	337.44	7.79	
Feb. 22, 1977	331.10		6.34
Jan. 18, 1978	345.02	13.92	
Jan. 10, 1980	333.37		11.65

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-17-801			
Mar. 6, 1956	40.34		
Dec. 6, 1956	40.95	0.61	
Dec. 7, 1957	40.70		0.25
Dec. 5, 1959	41.40	.70	
Jan. 18, 1961	40.88		.52
Dec. 7, 1961	41.24	.36	
Dec. 7, 1962	41.30	.06	
Dec. 5, 1963	41.16		.14
Dec. 3, 1964	41.68	.52	
Dec. 6, 1965	42.07	.39	
Dec. 8, 1966	43.35	1.28	
Dec. 30, 1967	41.62		1.73
Dec. 4, 1968	41.81	.19	
Dec. 9, 1969	41.68		.13
Jan. 26, 1971	43.17	1.49	
Dec. 8, 1971	43.48	.31	
Dec. 8, 1972	41.81		1.67
Dec. 5, 1973	41.70		.11
Dec. 4, 1974	42.25	.55	
Nov. 8, 1976	42.76*	.51	
Nov. 10, 1977	43.25	.49	
Nov. 7, 1978	42.68		.57
Jan. 7, 1980	43.17*	.49	
Well 45-25-321			
Dec. 16, 1946	42.00		
May 17, 1967	57.55	15.55	
Dec. 7, 1971	43.17		14.38
Dec. 7, 1972	41.26		1.91
Dec. 5, 1973	43.37	2.11	
Dec. 4, 1974	38.50		4.87
Nov. 11, 1975	37.93		.57
Nov. 8, 1976	36.54		1.39
Nov. 14, 1977	35.47		1.07
Nov. 7, 1978	33.82		1.65
Jan. 7, 1980	33.61		.21
Jan. 14, 1981	29.68		3.93
Well 45-25-408			
Nov. 6, 1970	114.30		
Jan. 26, 1971	115.77	1.47	
Dec. 7, 1971	117.07	1.30	
Dec. 7, 1972	118.27	1.20	
Dec. 4, 1973	119.45	1.18	
Dec. 4, 1974	122.82	3.37	
Nov. 11, 1975	124.64	1.82	
Nov. 8, 1976	127.52	2.88	
Nov. 14, 1977	129.80	2.28	
Nov. 9, 1978	132.68	2.88	
Jan. 14, 1980	136.09	3.41	
Jan. 14, 1981	137.72	1.63	
Well 45-25-901			
Feb. 9, 1955	39.49		
Dec. 4, 1955	38.66		0.83
Mar. 5, 1956	38.13		.53
Dec. 6, 1956	38.34	.21	
Dec. 6, 1957	37.54		.80
Dec. 5, 1959	37.61	.07	
Jan. 18, 1961	37.49		.12
Dec. 7, 1961	38.25	.76	
Dec. 8, 1962	38.75	.50	
Dec. 4, 1963	39.26	.51	
Dec. 3, 1964	39.69	.43	
Dec. 6, 1965	40.29	.60	
Dec. 8, 1966	40.00		.29
Dec. 30, 1967	40.66	.66	
Dec. 4, 1968	40.40		.26
Dec. 10, 1969	40.86	.46	
Jan. 26, 1971	40.25		.61
Dec. 7, 1971	40.09		.16
Dec. 5, 1972	39.68		.41
Dec. 4, 1973	41.25	1.57	
Well 45-25-903			
Dec. 6, 1965	40.29		
Dec. 8, 1966	40.00		.29
Apr. 27, 1967	40.80		.14
Dec. 30, 1967	40.66	.66	
Dec. 4, 1968	40.40		.26
Dec. 10, 1969	40.86	.46	
Jan. 26, 1971	40.25		.61
Dec. 7, 1971	40.09		.16
Dec. 26, 1971	40.25	.16	
Dec. 5, 1972	39.68		.57
Dec. 4, 1973	41.25	1.57	
Nov. 11, 1975	46.45Q	5.20	
Nov. 8, 1976	43.80Q		2.65
Nov. 14, 1977	74.75*	30.95	
Nov. 9, 1978	39.07		35.68
Jan. 14, 1980	38.54		.53

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-26-703			
May 11, 1967	46.80		
July 22, 1974	47.12	0.32	
Dec. 4, 1974	46.38		0.74
Nov. 11, 1975	46.01		.37
Nov. 8, 1976	45.50		.51
Nov. 14, 1977	45.47		.03
Nov. 9, 1978	47.32	1.85	
Jan. 14, 1980	52.82	5.50	
Jan. 14, 1981	48.48		4.34
Well 45-33-102			
May 17, 1940	95.80		
June 26, 1967	100.83	5.03	
Nov. 6, 1970	101.52	.69	
Jan. 26, 1971	101.56	.04	
Dec. 7, 1971	101.54		.02
Dec. 7, 1972	101.82	.28	
Dec. 4, 1973	102.34	.52	
Dec. 4, 1974	102.62	.28	
Nov. 11, 1975	103.00	.38	
Nov. 8, 1976	103.50	.50	
Nov. 14, 1977	104.21	.71	
Jan. 14, 1980	106.65	2.44	
Well 45-33-501			
Jan. 3, 1949	46.88		
Feb. 2, 1949	46.88		
Mar. 2, 1949	46.87		.01
Apr. 2, 1949	47.12	.25	
May 2, 1949	47.02		.10
June 2, 1949	47.01		.01
July 2, 1949	47.10	.09	
Aug. 3, 1949	46.97		.13
Sept. 2, 1949	47.07	.10	
Oct. 1, 1949	47.22	.15	
Nov. 2, 1949	46.93		.29
Dec. 7, 1949	46.95	.02	
Jan. 2, 1950	47.03	.08	
Feb. 2, 1950	47.09	.06	
Mar. 2, 1950	47.12	.03	
May 2, 1950	47.05		.07
June 2, 1950	46.97		.08
July 1, 1950	46.99	.02	
Aug. 1, 1950	47.02	.03	
Sept. 2, 1950	47.95	.93	
Oct. 3, 1950	47.09		0.86
Nov. 2, 1950	47.08		.01
Dec. 2, 1950	47.15	0.07	
Jan. 2, 1951	47.37	.22	
Jan. 31, 1952	47.28		.09
Jan. 24, 1954	48.09	.81	
Jan. 10, 1955	48.38	.29	
Jan. 4, 1956	48.69	.31	
Jan. 26, 1957	48.80	.11	
Feb. 7, 1958	49.66	.86	
Dec. 6, 1959	50.37	.71	
Jan. 18, 1961	50.93	.56	
Dec. 6, 1961	50.71		.22
Dec. 8, 1962	51.12	.41	
Dec. 4, 1963	53.01	1.89	
Dec. 3, 1964	53.65	.64	
Dec. 6, 1965	52.80		.85
Dec. 8, 1966	55.23*	2.43	
Dec. 30, 1967	52.94*		2.29
Dec. 4, 1968	52.89		.05
Dec. 10, 1969	53.36	.47	
Jan. 26, 1971	54.79	1.43	
Dec. 7, 1971	59.08*	4.29	
Dec. 9, 1972	55.49*		3.59
Dec. 4, 1973	56.30*	.81	
Dec. 4, 1974	54.70*		1.60
Nov. 11, 1975	55.95*	1.25	
Nov. 8, 1976	55.91*		.04
Nov. 14, 1977	53.38		2.53
Nov. 9, 1978	52.80		.58
Jan. 14, 1980	54.63	1.83	
Jan. 14, 1981	54.05		.58
Well 45-33-803			
Mar. 2, 1949	58.69		
Apr. 2, 1949	61.02	2.33	
May 2, 1949	60.48		.54
June 2, 1949	60.44		.04
July 2, 1949	60.35		.09
Aug. 3, 1949	60.62	.27	
Sept. 2, 1949	60.00		.62
Oct. 1, 1949	59.90		.10
Nov. 2, 1949	59.00		.90
Dec. 7, 1949	58.68		.32
Jan. 2, 1950	59.44	.76	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-33-803—Continued			
Feb. 2, 1950	59.48	0.04	
Mar. 2, 1950	58.90		0.58
May 2, 1950	58.75		.15
June 2, 1950	58.49		.26
July 1, 1950	58.55	.06	
Aug. 2, 1950	58.84	.29	
Sept. 2, 1950	59.16	.32	
Oct. 3, 1950	58.54		.62
Nov. 2, 1950	58.83	.29	
Jan. 2, 1951	58.88	.05	
Jan. 31, 1952	60.36	1.48	
Feb. 7, 1953	61.10	.74	
Jan. 24, 1954	62.02	.92	
Jan. 10, 1955	62.77	.75	
Jan. 4, 1956	63.55	.78	
Jan. 26, 1957	63.69	.14	
Feb. 7, 1958	63.68		.01
Dec. 6, 1959	64.00	.32	
Jan. 18, 1961	64.20	.20	
Dec. 6, 1961	64.72	.52	
Dec. 8, 1962	65.14	.42	
Dec. 4, 1963	66.84	1.70	
Dec. 3, 1964	69.25	2.41	
Dec. 6, 1965	69.62	.37	
Dec. 8, 1966	67.64		1.98
July 21, 1967	67.33		.31
Dec. 4, 1968	69.64	2.31	
Dec. 10, 1969	70.47	.83	
Jan. 26, 1971	69.60		.87
Dec. 7, 1971	68.49		1.11
Dec. 5, 1972	68.15		.34
Dec. 4, 1973	67.78		.37
Dec. 4, 1974	68.46	.68	
Nov. 11, 1975	68.24		.22
Nov. 8, 1976	68.32	.08	
Nov. 14, 1977	67.93		.39
Nov. 9, 1978	67.64		.29
Jan. 14, 1980	67.91	.27	
Well 45-34-402			
Dec. 4, 1955	55.13		
Mar. 5, 1956	56.80	1.67	
Dec. 6, 1956	54.79		2.01
Dec. 5, 1959	56.09*	1.30	
Jan. 18, 1961	54.70		1.39
Dec. 6, 1961	58.08	3.38	
Dec. 8, 1962	54.39		3.69
Dec. 4, 1963	57.06	2.67	
Dec. 6, 1965	55.38		1.68
Dec. 8, 1966	58.63*	3.25	
Dec. 30, 1967	72.44*	13.81	
Dec. 4, 1968	54.78		17.66
Dec. 10, 1969	54.88	.10	
Jan. 26, 1971	54.71		.17
Dec. 7, 1971	55.84	1.13	
Dec. 5, 1972	55.35		.49
Dec. 3, 1973	55.42	.07	
Dec. 4, 1974	55.12*		.30
Nov. 10, 1975	104.50*	49.38	
Nov. 8, 1976	57.15		47.35
Nov. 14, 1977	55.20*		1.95
Nov. 9, 1978	55.18		.02
Jan. 14, 1980	57.00	1.82	
Well 45-34-701			
July 20, 1967	65.15		
July 22, 1974	74.77*	9.62	
Dec. 4, 1974	72.36*		2.41
Nov. 10, 1975	87.75*	15.39	
Nov. 8, 1976	65.40		22.35
Nov. 14, 1977	64.55		.85
Nov. 9, 1978	64.62	.07	
Jan. 14, 1980	64.47		.15
Jan. 14, 1981	63.62		.85
Well 45-42-512			
May 9, 1967	19.35		
July 19, 1967	18.70		.65
Aug. 16, 1967	18.80	.10	
Oct. 1, 1967	17.85		.95
Nov. 6, 1967	17.69		.16
Jan. 26, 1971	21.75	4.06	
Dec. 7, 1971	18.98		2.77
Dec. 5, 1972	26.76	7.78	
Dec. 3, 1973	21.28		5.48
Dec. 4, 1974	20.43		.85
Nov. 10, 1975	20.51	.08	
Nov. 8, 1976	25.81	5.30	
Nov. 14, 1977	21.80		4.01
Nov. 9, 1978	24.38	2.58	
Jan. 14, 1980	22.76		1.62
Jan. 14, 1981	21.53		1.23

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-24-801			
Mar. 28, 1957	144.90		
Aug. 31, 1967	152.85	7.95	
Nov. 4, 1970	149.06		3.79
Jan. 27, 1971	148.96		.10
Dec. 8, 1971	149.22	.26	
Dec. 5, 1973	150.07	.85	
Dec. 4, 1974	150.24	.17	
Nov. 11, 1975	150.65	.41	
Nov. 8, 1976	159.02	8.37	
Nov. 10, 1977	151.60		7.42
Jan. 15, 1980	154.41	2.81	
Well 46-24-802			
Mar. 6, 1956	135.95		
Dec. 6, 1956	136.10	.15	
Dec. 7, 1957	136.84	.74	
Dec. 5, 1959	136.27		.57
Jan. 18, 1961	135.95		.32
Dec. 6, 1961	136.76	.81	
Dec. 8, 1962	137.56	.80	
Dec. 5, 1963	140.07	2.51	
Dec. 6, 1965	138.10		1.97
Dec. 8, 1966	142.66*	4.56	
Dec. 30, 1967	137.87*		4.79
Dec. 4, 1968	137.38		.49
Dec. 9, 1969	139.70	2.32	
Dec. 8, 1971	140.48	.78	
Dec. 8, 1972	146.30*	5.82	
Dec. 5, 1973	141.25		5.05
Nov. 8, 1976	146.85*	5.60	
Nov. 10, 1977	141.98*		4.87
Nov. 8, 1978	140.37		1.61
Well 46-24-803			
Mar. 6, 1956	130.37		
Dec. 6, 1956	130.49	.12	
Dec. 7, 1957	130.75	.26	
Dec. 5, 1959	131.84	1.09	
Jan. 18, 1961	132.13	.29	
Dec. 6, 1961	133.00	.87	
Aug. 31, 1967	136.70	3.70	
Jan. 27, 1971	139.03	2.33	
Dec. 8, 1971	139.63	.60	
Dec. 8, 1972	145.97	6.34	
Dec. 4, 1974	141.11		4.86
Nov. 11, 1975	142.08	0.97	
Nov. 8, 1976	143.00	.92	
Nov. 10, 1977	143.88	.88	
Jan. 15, 1981	153.58	9.70	
Well 46-29-201			
Apr. 19, 1967	58.20		
July 23, 1974	59.38	1.18	
Dec. 3, 1974	56.55		2.83
Nov. 12, 1975	57.45*	.90	
Nov. 9, 1976	83.48*	26.03	
Nov. 12, 1977	57.35*		26.13
Nov. 8, 1978	45.89		11.46
Jan. 14, 1980	54.66	8.77	
Jan. 14, 1981	53.76		.90
Well 46-29-701			
Sept. 8, 1941	4.69		
Nov. 2, 1946	10.44	5.75	
Dec. 4, 1946	11.21	.77	
Jan. 29, 1947	12.19	.98	
Mar. 3, 1948	14.87	2.68	
Feb. 8, 1949	16.80	1.93	
Jan. 23, 1950	18.28	1.48	
Mar. 3, 1950	18.82	.54	
Feb. 14, 1951	15.50		3.32
Jan. 29, 1952	20.35	4.85	
Feb. 4, 1953	20.62	.27	
Jan. 23, 1954	23.74	3.12	
Jan. 8, 1955	22.43		1.31
Jan. 5, 1956	18.09		4.34
Jan. 26, 1957	19.40	1.31	
Feb. 3, 1958	22.55	3.15	
Feb. 12, 1959	18.24		4.31
Jan. 19, 1961	16.86		1.38
Dec. 7, 1961	15.32		1.54
Dec. 9, 1962	20.85	5.53	
Dec. 4, 1963	25.58	4.73	
Dec. 3, 1964	32.10	6.52	
Dec. 6, 1965	27.93		4.17
Dec. 10, 1966	28.63	.70	
Dec. 1, 1967	28.62		.01
Dec. 5, 1968	17.00		11.62
Dec. 10, 1969	22.24	5.24	
Jan. 27, 1971	25.46	3.22	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-29-701—Continued			
Dec. 9, 1971	24.78		0.68
Dec. 6, 1972	25.16	0.38	
Dec. 4, 1973	19.23		5.93
Dec. 3, 1974	18.71		.52
Nov. 12, 1975	9.47		9.24
Nov. 9, 1976	11.60	2.13	
Nov. 9, 1976	26.09	14.49	
Nov. 12, 1977	14.28		11.81
Nov. 8, 1978	17.64	3.36	
Jan. 14, 1980	18.18	.54	
Well 46-29-801			
Nov. 25, 1946	17.70		
Dec. 4, 1946	17.40		.30
Jan. 29, 1947	16.64		.76
Jan. 24, 1950	19.26	2.62	
Mar. 3, 1950	19.29	.03	
Feb. 14, 1951	19.81	.52	
Jan. 28, 1952	21.85	2.04	
Feb. 4, 1953	22.39	.54	
Jan. 23, 1954	22.36		.03
Jan. 8, 1955	23.23	.87	
Jan. 5, 1956	23.42	.19	
Jan. 26, 1957	22.63		.79
Feb. 3, 1958	23.61	.98	
Jan. 19, 1961	22.17		1.44
Dec. 7, 1961	22.80	.63	
Dec. 9, 1962	22.95	.15	
Dec. 4, 1963	23.66	.71	
Dec. 3, 1964	24.43	.77	
Dec. 6, 1965	24.35		.08
Dec. 10, 1966	24.75	.40	
Dec. 1, 1967	25.34	.59	
Dec. 5, 1968	24.80		.54
Dec. 10, 1969	24.76		.04
Jan. 27, 1971	31.57	6.81	
Dec. 9, 1971	24.90		6.67
Dec. 6, 1972	28.65		3.75
Dec. 4, 1973	25.25		3.40
Dec. 3, 1974	26.85	1.60	
Nov. 12, 1975	24.20		2.65
Nov. 9, 1976	26.09	1.89	
Nov. 12, 1977	25.52		.57
Nov. 8, 1978	27.29	1.77	
Jan. 14, 1980	23.77		3.52

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-30-501			
Oct. 3, 1967	99.65		
July 23, 1974	106.70*	7.05	
Dec. 3, 1974	102.74		3.96
Nov. 12, 1975	105.15	2.41	
Nov. 9, 1976	101.16*		3.99
Nov. 14, 1977	97.40		3.76
Nov. 8, 1978	99.03	1.63	
Jan. 15, 1980	96.73		2.30
Jan. 14, 1981	97.58	.85	
Well 46-31-302			
Mar. 6, 1956	104.95		
Dec. 6, 1956	106.36	1.41	
Dec. 7, 1957	106.53	.17	
Dec. 5, 1959	105.91		.62
Jan. 18, 1961	105.23		.68
Dec. 6, 1961	106.74	1.51	
Dec. 8, 1962	105.20		1.54
Dec. 4, 1963	106.43	1.23	
Dec. 3, 1964	105.63		.80
Dec. 6, 1965	106.00	.37	
Dec. 9, 1966	105.69		.31
Dec. 30, 1967	105.94	.25	
Dec. 5, 1968	106.34	.40	
Dec. 9, 1969	106.13		.21
Jan. 27, 1971	105.45		.68
Dec. 8, 1971	106.70	1.25	
Dec. 7, 1972	117.04	10.34	
Dec. 5, 1973	107.20		9.84
Dec. 3, 1974	109.05	1.85	
Nov. 11, 1975	119.55	10.50	
Nov. 9, 1976	117.50		2.05
Nov. 14, 1977	107.66		9.84
Nov. 8, 1978	107.79	.13	
Jan. 15, 1980	117.36	9.57	
Well 46-31-401			
Aug. 15, 1940	116.10		
Sept. 28, 1967	115.67		.43
July 23, 1974	115.54		.13
Dec. 3, 1974	115.69	.15	
Nov. 11, 1975	118.80Q	3.11	
Nov. 9, 1976	117.10*		1.70
Nov. 14, 1977	115.32		1.78

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-31-401—Continued			
Jan. 15, 1980	117.21	1.89	
Jan. 14, 1981	117.91	.70	
Well 46-31-702			
Sept. 1939	99.10		
July 24, 1974	102.15	3.05	
Nov. 13, 1974	106.50	4.35	
Dec. 3, 1974	89.45		17.05
Nov. 11, 1975	97.67	8.22	
Nov. 9, 1976	102.17	4.50	
Nov. 14, 1977	103.88	1.71	
Nov. 8, 1978	93.39		10.49
Jan. 15, 1980	91.76		1.63
Jan. 14, 1981	91.23		.53
Well 46-32-403			
Mar. 6, 1956	79.12		
Dec. 6, 1956	79.95	.83	
Dec. 7, 1957	81.75	1.80	
Dec. 5, 1959	81.46		.29
Jan. 18, 1961	80.24		1.22
Dec. 6, 1961	80.58	.34	
Dec. 8, 1962	80.56		.02
Dec. 4, 1963	81.46	.90	
Dec. 3, 1964	81.38		.08
Dec. 6, 1965	81.53	.15	
Dec. 9, 1966	81.58	.05	
Dec. 30, 1967	82.92	1.34	
Dec. 4, 1968	82.15		.77
Dec. 9, 1969	82.30	.15	
Jan. 27, 1971	83.71	1.41	
Dec. 8, 1971	82.79		.92
Dec. 7, 1972	90.85Q	8.06	
Dec. 4, 1973	83.33		7.52
Dec. 3, 1974	82.92		.41
Nov. 11, 1975	93.50*	10.58	
Nov. 9, 1976	84.00		9.50
Nov. 14, 1977	83.90		.10
Nov. 8, 1978	83.52		.38
Jan. 15, 1980	84.34	.82	
Jan. 14, 1981	83.40		.94
Well 46-32-504			
Feb. 23, 1940	104.98		
Jan. 31, 1952	106.42	1.44	
Feb. 7, 1953	107.08	0.66	
Jan. 24, 1954	107.74	.66	
Jan. 10, 1955	107.94	.20	
Jan. 4, 1956	107.84		0.10
Jan. 26, 1957	107.65		.19
Feb. 7, 1958	108.53	.88	
Dec. 5, 1959	109.67	1.14	
Jan. 18, 1961	109.54		.13
Dec. 6, 1961	109.80	.26	
Dec. 8, 1962	109.80		
Dec. 4, 1963	110.40	.60	
Dec. 3, 1964	111.32	.92	
Dec. 6, 1965	110.77		.55
Dec. 8, 1966	112.00	1.23	
Sept. 6, 1967	112.64	.64	
Dec. 10, 1969	114.46	1.82	
Jan. 27, 1971	115.36	.90	
Dec. 5, 1973	117.34	1.98	
Dec. 4, 1974	117.72	.38	
Nov. 11, 1975	118.95	1.23	
Nov. 9, 1976	119.51	.56	
Nov. 14, 1977	119.10		.41
Nov. 8, 1978	121.12	2.02	
Jan. 15, 1980	122.51	1.39	
Well 46-37-101			
Feb. 3, 1958	16.60		
Feb. 12, 1959	15.64		.96
Jan. 19, 1961	13.07		2.57
Dec. 7, 1961	12.81		.26
Dec. 9, 1962	14.83	2.02	
Dec. 4, 1963	17.94	3.11	
Dec. 6, 1965	18.46	.52	
Dec. 10, 1966	18.62	.16	
Dec. 1, 1967	19.01	.39	
Dec. 10, 1969	16.29		2.72
Jan. 27, 1971	15.69		.60
Dec. 9, 1971	17.84	2.15	
Dec. 6, 1972	18.30	.46	
Dec. 4, 1973	28.95	10.65	
Dec. 3, 1974	16.89		12.06
Nov. 12, 1975	14.58		2.31
Nov. 9, 1976	14.06		.52
Jan. 14, 1980	15.33	1.27	
Jan. 14, 1981	13.25		2.08

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-37-211			
Feb. 12, 1959	18.25		
Jan. 19, 1961	16.10		2.15
Dec. 7, 1961	14.07		2.03
Dec. 9, 1962	18.52	4.45	
Dec. 4, 1963	18.30		.22
Dec. 3, 1964	22.27*	3.97	
Dec. 6, 1965	22.07		.20
Dec. 10, 1966	19.00		3.07
Dec. 1, 1967	16.97		2.03
Dec. 5, 1968	17.26	.29	
Dec. 10, 1969	18.59	1.33	
Dec. 9, 1971	19.38	.79	
Dec. 6, 1972	19.21		.17
Dec. 4, 1973	19.90	.69	
Dec. 3, 1974	15.97		3.93
Nov. 12, 1975	15.34		.63
Nov. 9, 1976	14.48		.86
Nov. 12, 1977	17.20	2.72	
Nov. 8, 1978	16.23		.97
Jan. 14, 1980	17.16	.93	
Well 46-37-305			
Dec. 17, 1930	5.41		
Dec. 31, 1931	8.59	3.18	
Dec. 9, 1939	9.71	1.12	
Dec. 5, 1940	10.18	.47	
Mar. 26, 1941	12.70	2.52	
Dec. 29, 1942	9.61		3.09
May 10, 1967	15.83	6.22	
Jan. 27, 1971	17.59	1.76	
Dec. 9, 1971	17.78	.19	
Dec. 7, 1972	18.77	.99	
Dec. 3, 1974	17.40		1.37
Nov. 12, 1975	18.33	.93	
Nov. 9, 1976	16.10		2.23
Nov. 12, 1977	18.10	2.00	
Nov. 8, 1978	16.72		1.38
Jan. 14, 1980	16.64		.08
Well 46-38-103			
Apr. 2, 1940	15.40		
May 20, 1940	14.90	.50	
June 5, 1940	14.81		.09
Nov. 2, 1946	15.74	.93	
Dec. 4, 1946	15.98	.24	
Jan. 30, 1947	16.96	0.98	
Mar. 3, 1948	17.35	.39	
Feb. 8, 1949	17.61	.26	
Jan. 18, 1950	18.46	.85	
Mar. 3, 1950	18.91	.45	
Feb. 14, 1951	16.09		2.82
Jan. 29, 1952	19.14	3.05	
Jan. 23, 1954	24.34	5.20	
Jan. 9, 1955	22.29		2.05
Jan. 5, 1956	16.39		5.90
Jan. 26, 1957	19.51	3.12	
Feb. 3, 1958	20.71	1.20	
Feb. 12, 1959	21.41	.70	
Jan. 18, 1961	19.84		1.57
Dec. 7, 1961	19.26		.58
Dec. 9, 1962	21.94	2.68	
Dec. 4, 1963	23.69	1.75	
Dec. 3, 1964	25.75	2.06	
Dec. 6, 1965	25.61		.14
Dec. 10, 1966	21.88		3.73
Dec. 1, 1967	22.14	.26	
Dec. 5, 1968	22.25	.11	
Dec. 10, 1969	22.92	.67	
Jan. 27, 1971	24.01	1.09	
Dec. 9, 1971	22.13		1.88
Dec. 7, 1972	24.95	2.82	
Dec. 4, 1973	25.34	.39	
Dec. 3, 1974	21.16		4.18
Nov. 12, 1975	24.76	3.60	
Nov. 9, 1976	22.00		2.76
Nov. 12, 1977	22.10	.10	
Nov. 8, 1978	22.52	.42	
Jan. 14, 1980	22.63	.11	
Jan. 14, 1981	22.86	.23	
Well 46-39-604			
Nov. 10, 1939	76.0		
Nov. 10, 1967	75.08		.92
July 24, 1974	75.44	.36	
Dec. 3, 1974	75.19		.25
Nov. 12, 1975	75.05		.14
Nov. 9, 1976	74.95		.10
Nov. 14, 1977	75.10	.15	
Nov. 8, 1978	82.59	7.49	
Jan. 15, 1980	81.37		1.22

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Ward County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-40-205			
Aug. 11, 1967	93.10		
Jan. 27, 1971	94.43	1.33	
Dec. 7, 1971	95.04	.61	
Dec. 7, 1972	95.49	.45	
Dec. 5, 1973	96.41	.92	
Dec. 3, 1974	97.12	.71	
Nov. 12, 1975	98.13	1.01	
Nov. 9, 1976	98.42	.29	
Nov. 14, 1977	98.90	.48	
Nov. 8, 1978	100.22	1.32	
Jan. 15, 1980	96.32		3.90
Well 46-40-301			
Sept. 8, 1961	93.00		
Aug. 17, 1967	98.60	5.60	
Jan. 27, 1971	101.46	2.86	
Dec. 7, 1971	103.74*	2.28	
Dec. 7, 1972	102.06		1.68
Dec. 5, 1973	104.30	2.24	
Dec. 3, 1974	104.05		0.25
Nov. 12, 1975	105.80	1.75	
Nov. 9, 1976	105.70		.10
Nov. 14, 1977	106.00	.30	
Nov. 8, 1978	108.18	2.18	
Jan. 15, 1980	105.22		2.96
Jan. 14, 1981	111.46	6.24	
Well 46-40-501			
Nov. 17, 1939	55.0		
Dec. 12, 1967	54.77		.23
July 24, 1974	54.79	.02	
Dec. 3, 1974	36.56		18.23
Nov. 11, 1975	51.95	15.39	
Nov. 9, 1976	51.89		.06
Nov. 14, 1977	53.53	1.64	
Nov. 8, 1978	54.69	1.16	
Jan. 14, 1980	50.62		4.07

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 26-64-801			
Sept. 19, 1956	36.70		
Oct. 22, 1974	37.14	0.44	
Nov. 14, 1975	39.58*	2.44	
Nov. 3, 1976	40.40*	.82	
Nov. 9, 1977	39.14*		1.26
Jan. 8, 1980	42.58*	3.44	
Well 27-57-801			
Jan. 31, 1957	72.64		
Dec. 19, 1967	72.81	.17	
Oct. 22, 1974	74.74	1.93	
Nov. 13, 1975	74.10		.64
Nov. 3, 1976	74.56	.46	
Nov. 9, 1977	72.60		1.96
Nov. 2, 1978	77.46	4.86	
Jan. 8, 1980	75.27		2.19
Well 45-01-201			
Jan. 8, 1957	65.34		
June 11, 1957	65.00		.34
Nov. 30, 1960	65.87	.87	
Dec. 7, 1961	66.23	.36	
Dec. 5, 1962	65.27		.96
Dec. 5, 1963	65.32	.05	
Dec. 4, 1964	66.82	1.50	
Dec. 6, 1965	71.10	4.28	
Dec. 9, 1966	88.90	17.80	
Nov. 29, 1967	69.45		19.45
Dec. 6, 1968	71.98	2.53	
Dec. 15, 1969	65.44		6.54
Jan. 25, 1971	65.65	.21	
Dec. 11, 1972	68.82*	3.17	
Dec. 6, 1973	66.85		1.97
Oct. 22, 1974	84.29*	17.44	
Nov. 13, 1975	76.00Q		8.29
Nov. 3, 1976	72.90		3.10
Nov. 9, 1977	64.94		7.96
Nov. 2, 1978	68.05*	3.11	
Jan. 8, 1980	71.49*	3.44	
Jan. 15, 1981	65.35		6.14
Well 45-01-901			
Mar. 31, 1957	54.74		
Nov. 30, 1960	55.09	.35	
Dec. 7, 1961	55.09		
Dec. 6, 1962	55.24	0.15	
Dec. 5, 1963	55.34	.10	
Dec. 3, 1964	55.63	.29	
Dec. 6, 1965	56.65	1.02	
Dec. 9, 1966	55.58		1.07
Nov. 29, 1967	55.76	.18	
Dec. 6, 1968	55.54		.22
Dec. 16, 1969	55.03		.51
Dec. 25, 1971	55.58	.55	
Dec. 7, 1971	53.90		1.68
Dec. 11, 1972	54.67	.77	
Dec. 6, 1973	54.82	.15	
Oct. 23, 1974	54.78		.04
Nov. 4, 1976	53.55		1.23
Nov. 10, 1977	53.55		
Nov. 3, 1978	53.66	.11	
Jan. 9, 1980	53.80	.14	
Well 45-10-801			
Dec. 10, 1956	72.20		
Dec. 21, 1967	73.00	.80	
Oct. 24, 1974	75.84	2.84	
Nov. 13, 1975	83.00*	7.16	
Nov. 4, 1976	73.60		9.40
Nov. 10, 1977	83.70*	10.10	
Nov. 3, 1978	87.40*	3.70	
Jan. 7, 1980	79.97*		7.43
Jan. 15, 1981	83.17*	3.20	
Well 45-17-901			
Oct. 8, 1956	28.95		
Jan. 4, 1958	29.09	.14	
Dec. 2, 1960	28.95		.14
Dec. 7, 1961	28.35		.60
Dec. 8, 1962	28.56	.21	
Dec. 5, 1963	28.85	.29	
Dec. 3, 1964	28.89	.04	
Dec. 6, 1965	30.09	1.20	
Dec. 8, 1966	29.55		.54
Nov. 29, 1967	29.94	.39	
Dec. 9, 1968	29.54		.40
Dec. 16, 1969	29.40		.14
Jan. 25, 1971	29.16		.24
Dec. 7, 1971	28.84		.32
Dec. 8, 1972	29.35	.51	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 45-17-901—Continued			
Dec. 5, 1973	29.44	0.09	
Oct. 24, 1974	29.04		0.40
Nov. 14, 1975	27.70		1.34
Nov. 4, 1976	27.99	.29	
Nov. 10, 1977	28.29	.30	
Nov. 7, 1978	28.04		.25
Jan. 7, 1980	25.70		2.34
Well 46-06-301			
Sept. 7, 1956	119.70		
July 16, 1975	135.25	15.55	
Nov. 14, 1975	132.50		2.75
Nov. 11, 1977	132.67	.17	
Jan. 8, 1980	134.03*	1.36	
Jan. 15, 1981	132.97		1.06
Well 46-06-801			
Sept. 4, 1956	190.70		
June 27, 1957	190.70		
July 16, 1975	191.04	.34	
Well 46-06-901			
Sept. 11, 1956	103.86		
Apr. 1, 1957	102.21		1.65
Mar. 2, 1968	101.60		.61
July 16, 1975	102.86	1.26	
Nov. 14, 1975	103.70	.84	
Nov. 3, 1976	103.20Q		.50
Nov. 11, 1977	101.05		2.15
Nov. 2, 1978	108.51*	7.46	
Jan. 8, 1980	108.89*	.38	
Well 46-07-401			
Jan. 30, 1940	102.30		
Sept. 7, 1956	102.95	.65	
July 16, 1975	107.51	4.56	
Nov. 14, 1975	108.00	.49	
Nov. 11, 1977	105.97		2.03
Nov. 2, 1978	108.32*	2.35	
Jan. 8, 1980	107.91*		.41
Jan. 15, 1981	107.26		.65
Well 46-07-402			
Sept. 7, 1956	100.45		
Mar. 2, 1968	101.35	0.90	
July 16, 1975	103.57	2.22	
Nov. 14, 1975	107.10	3.53	
Nov. 3, 1976	104.00		3.10
Nov. 2, 1978	108.32*	2.35	
Jan. 8, 1980	106.35*	.41	
Jan. 15, 1981	107.26		.65
Well 46-07-901			
Sept. 20, 1956	95.81		
June 11, 1957	95.18		.63
Dec. 8, 1961	95.72	.54	
Dec. 6, 1962	94.88		.84
Dec. 5, 1963	92.90		1.98
Dec. 4, 1964	92.36		.54
Dec. 6, 1965	90.77		1.59
Dec. 9, 1966	91.30	.53	
Nov. 29, 1967	89.77		1.53
Dec. 6, 1968	86.70		3.07
Dec. 16, 1969	87.57	.87	
Jan. 25, 1971	87.67	.10	
Dec. 7, 1971	86.85		.82
Dec. 11, 1972	83.36		3.49
Dec. 6, 1973	84.10	.74	
Oct. 22, 1974	83.66		.44
Nov. 14, 1975	81.90		1.76
Nov. 3, 1976	82.70	.80	
Nov. 9, 1977	82.65		.05
Nov. 2, 1978	83.13	.48	
Jan. 8, 1980	85.46	2.33	
Well 46-08-401			
Oct. 17, 1956	64.48		
Nov. 30, 1960	159.50*	95.02	
Dec. 8, 1961	65.34		94.16
Nov. 29, 1967	69.20	3.86	
Dec. 6, 1968	64.34		4.86
Dec. 16, 1969	63.24		1.10
Jan. 26, 1971	64.79	1.55	
Dec. 7, 1971	64.10		.69

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-08-401—Continued			
Dec. 11, 1972	63.78		0.32
Dec. 6, 1973	64.05*	0.27	
Oct. 22, 1974	63.53		.52
Nov. 14, 1975	65.43	1.90	
Nov. 3, 1976	64.50		.93
Nov. 9, 1977	64.64	.14	
Nov. 2, 1978	65.39	.75	
Jan. 8, 1980	64.37		1.02
Jan. 15, 1981	64.92	.55	
Well 46-08-402			
Oct. 17, 1956	145.63		
Feb. 18, 1957	116.95		28.68
Dec. 8, 1961	190.50	73.55	
Dec. 6, 1962	150.17		40.33
Dec. 5, 1963	158.25	8.08	
Dec. 6, 1965	140.83		17.42
Nov. 29, 1967	153.09	12.26	
Dec. 16, 1969	115.14		37.95
Jan. 26, 1971	136.46	21.32	
Dec. 7, 1971	142.70Q	6.24	
Dec. 6, 1973	231.50*	88.80	
Oct. 22, 1974	109.62		121.88
Nov. 14, 1975	133.20	23.58	
Nov. 9, 1977	187.50*	54.30	
Nov. 2, 1978	187.58	.08	
Jan. 8, 1980	187.20*		.38
Well 46-08-501			
Oct. 23, 1956	76.94		
Feb. 14, 1957	76.09		.85
June 10, 1957	80.68	4.59	
Nov. 30, 1960	74.92		5.76
Dec. 8, 1961	72.84		2.08
Dec. 6, 1962	73.12	.28	
Dec. 5, 1963	74.30	1.18	
Dec. 4, 1964	74.52	.22	
Dec. 6, 1965	76.04	1.52	
Dec. 9, 1966	76.56	.52	
Nov. 29, 1967	77.00*	.44	
Dec. 16, 1969	75.37		1.63
Jan. 26, 1971	74.37		1.00
Dec. 7, 1971	76.00	1.63	
Dec. 11, 1972	73.87		2.13
Dec. 6, 1973	74.00	.13	
Oct. 22, 1974	74.23	0.23	
Nov. 14, 1975	75.18	.95	
Nov. 3, 1976	75.55	.37	
Nov. 9, 1977	73.53		2.02
Nov. 2, 1978	73.36		.17
Jan. 8, 1980	71.77		1.59
Jan. 15, 1981	72.26	.49	
Well 46-14-601			
Sept. 13, 1956	156.63		
Feb. 7, 1968	155.90		.73
July 15, 1975	154.17		1.73
Nov. 13, 1975	158.10*	3.93	
Well 46-15-505			
Feb. 7, 1968	103.80		
Dec. 12, 1968	97.84		5.96
July 15, 1975	118.82*	20.98	
Nov. 13, 1975	103.20Q		15.62
Nov. 3, 1976	94.55		8.65
Jan. 8, 1980	93.78		.77
Jan. 15, 1981	93.01		.77
Well 46-16-101			
Aug. 16, 1957	90.00		
Jan. 1, 1958	70.43		19.57
Dec. 2, 1960	75.66	5.23	
Dec. 8, 1961	72.34		3.32
Dec. 6, 1962	76.88	4.54	
Dec. 5, 1963	82.20	5.32	
Dec. 3, 1964	86.34	4.14	
Dec. 6, 1965	93.57	7.23	
Dec. 9, 1966	86.68		6.89
Nov. 29, 1967	88.54	1.86	
Dec. 6, 1968	81.95		6.59
Dec. 16, 1969	81.89		.06
Jan. 26, 1971	89.32	7.43	
Dec. 7, 1971	84.60		4.72
Dec. 11, 1972	81.47		3.13
Dec. 6, 1973	87.18	5.71	
Oct. 23, 1974	84.39		2.79
Nov. 14, 1975	95.20	10.81	
Nov. 4, 1976	92.55		2.65
Nov. 10, 1977	96.38	3.83	
Nov. 3, 1978	101.50	5.12	

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

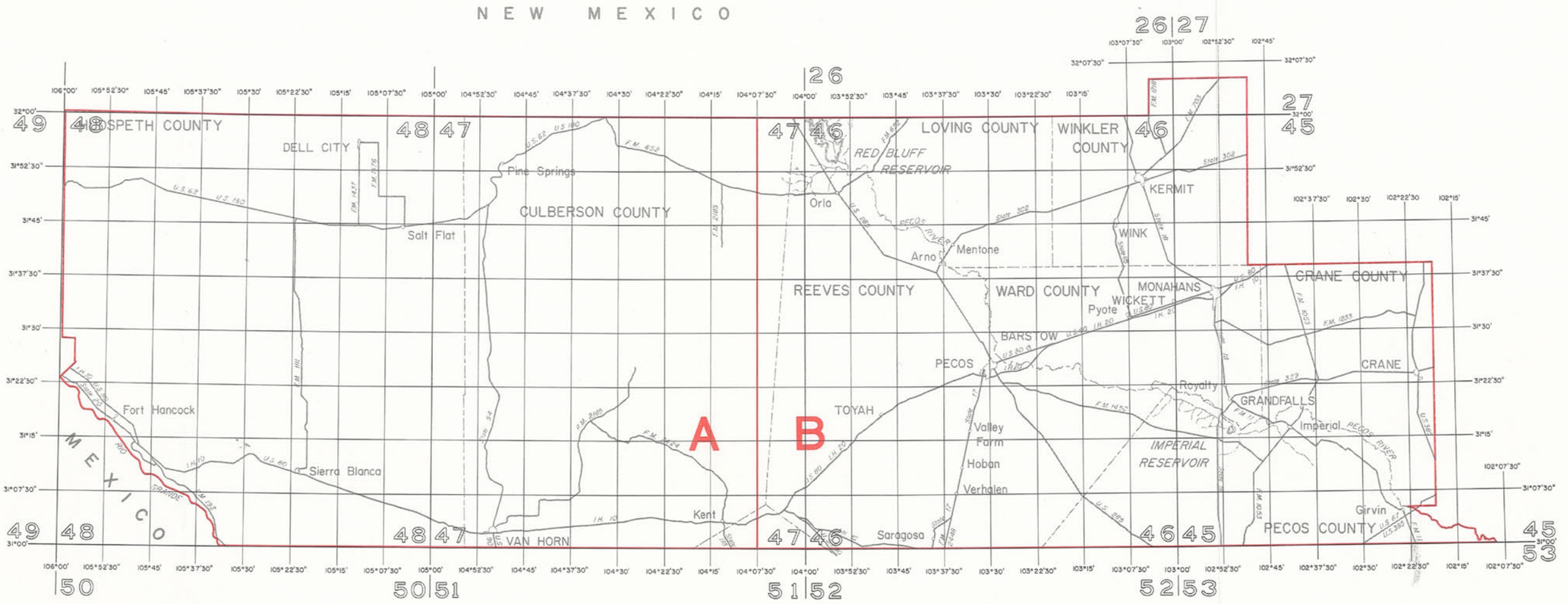
Winkler County—Continued

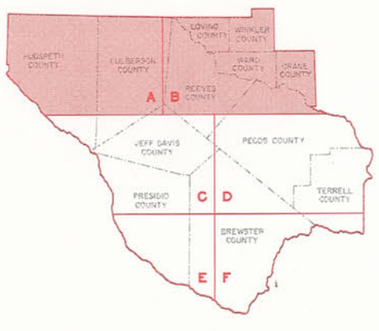
Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-16-101—Continued			
Jan. 7, 1980	85.83		15.67
Jan. 15, 1981	86.55	0.72	
Well 46-16-102			
Mar. 18, 1957	62.10		
Dec. 2, 1960	64.61	2.51	
Dec. 6, 1962	65.64	1.03	
Dec. 6, 1965	68.54	2.90	
Dec. 9, 1966	66.13		2.41
Nov. 29, 1967	67.10	.97	
Dec. 6, 1968	65.83		1.27
Dec. 16, 1969	65.28		.55
Jan. 26, 1971	64.97		.31
Dec. 7, 1971	65.10	.13	
Dec. 11, 1972	64.66		.44
Dec. 6, 1973	65.18	.52	
Oct. 23, 1974	64.79		.39
Nov. 14, 1975	70.45	5.66	
Nov. 4, 1976	71.13	.68	
Nov. 10, 1977	67.70		3.43
Nov. 3, 1978	69.80	2.10	
Jan. 7, 1980	67.79		2.01
Well 46-16-103			
Mar. 18, 1957	61.80		
Nov. 30, 1960	65.79	3.99	
Dec. 8, 1961	65.88	.09	
Dec. 6, 1962	65.38		.50
Dec. 5, 1963	73.32	7.94	
Dec. 9, 1966	66.77		6.55
Nov. 29, 1967	65.95		.82
Dec. 6, 1968	66.45	.50	
Dec. 16, 1969	64.99	1.46	
Jan. 26, 1971	73.39	8.40	
Dec. 7, 1971	64.70		8.69
Dec. 11, 1972	64.17		.53
Dec. 6, 1973	66.13	1.96	
Oct. 23, 1974	66.65	.52	
Nov. 14, 1975	67.50	.85	
Nov. 4, 1976	70.90	3.40	
Nov. 10, 1977	66.93		3.97
Nov. 3, 1978	75.20	8.27	
Jan. 7, 1980	69.06		6.14
Well 46-16-104			
Apr. 26, 1957	107.75		
Jan. 3, 1958	97.93		9.82
Nov. 30, 1960	104.17	6.24	
Dec. 8, 1961	95.15		9.02
Dec. 6, 1962	102.38	7.23	
Dec. 5, 1963	108.20	5.82	
Dec. 3, 1964	88.96		19.24
Dec. 6, 1965	115.07	26.11	
Dec. 9, 1966	128.18	13.11	
Nov. 29, 1967	122.39		5.79
Dec. 6, 1968	116.96		5.43
Dec. 16, 1969	119.14	2.18	
Jan. 26, 1971	129.14	10.00	
Dec. 7, 1971	122.40		6.74
Dec. 11, 1972	117.28		5.12
Dec. 6, 1973	126.84	9.56	
Oct. 23, 1974	122.87		3.97
Nov. 14, 1975	135.85	12.98	
Nov. 10, 1977	140.30	4.45	
Nov. 3, 1978	119.37		20.93
Jan. 7, 1980	128.05	8.68	
Well 46-16-105			
Mar. 11, 1957	54.92		
Jan. 3, 1958	57.56	2.64	
Jan. 28, 1969	63.50	5.94	
Well 46-16-201			
July 28, 1957	129.50		
Jan. 3, 1958	105.48		24.02
Dec. 2, 1960	109.76	4.28	
Dec. 8, 1961	103.17		6.59
Dec. 6, 1962	109.22	6.05	
Dec. 5, 1963	118.65	9.43	
Dec. 3, 1964	107.17		11.48
Dec. 6, 1965	127.30*	20.13	
Dec. 9, 1966	137.79*	10.49	
Nov. 29, 1967	128.78		9.01
Dec. 6, 1968	126.01		2.77
Dec. 16, 1969	121.79		4.22
Jan. 26, 1971	136.63	14.84	
Dec. 7, 1971	160.20*	23.57	
Dec. 11, 1972	121.38		38.82

Table 7.—Water Levels in Selected Observation Wells in Parts of the Trans-Pecos Region, Texas—Continued

Winkler County—Continued

Date	Measurement	Change in water level from previous measurement: Decline	Change in water level from previous measurement: Rise
Well 46-16-201—Continued			
Dec. 6, 1973	131.65	10.27	
Oct. 23, 1974	131.14		0.51
Nov. 14, 1975	141.63	10.49	
Nov. 4, 1976	148.60	6.97	
Nov. 10, 1977	149.84	1.24	
Nov. 3, 1978	129.85		19.99
Jan. 7, 1980	134.96	5.11	
Well 46-16-901			
Mar. 19, 1957	70.21		
Jan. 4, 1958	70.39	.18	
Dec. 2, 1960	70.35		.04
Dec. 7, 1961	69.21		1.14
Dec. 6, 1962	70.30	1.09	
Dec. 5, 1963	70.34	.04	
Dec. 3, 1964	70.50	.16	
Dec. 6, 1965	69.85		.65
Dec. 9, 1966	69.63		.22
Nov. 29, 1967	70.50	.87	
Dec. 9, 1968	70.90	.40	
Dec. 16, 1969	71.95	1.05	
Jan. 26, 1971	71.90		.05
Dec. 7, 1971	71.70		.20
Dec. 9, 1972	72.08	.38	
Dec. 6, 1973	71.98		.10
Oct. 23, 1974	70.82		1.16
Nov. 13, 1975	70.45		.37
Nov. 4, 1976	70.36		.09
Nov. 10, 1977	70.28		.08
Nov. 3, 1978	70.58	.30	
Jan. 7, 1980	68.95		1.63
Well 46-22-601			
Sept. 9, 1940	115.34		
Sept. 20, 1956	116.20	.86	
July 15, 1975	112.42		3.78
Nov. 13, 1975	114.86	2.44	
Nov. 3, 1976	117.00	2.14	
Nov. 11, 1977	112.37		4.63
Nov. 3, 1978	112.60	.23	
Jan. 8, 1980	113.63	1.03	
Jan. 15, 1981	112.25		1.38
Well 46-23-304			
Apr. 29, 1969	60.54		
Oct. 24, 1974	64.92	4.38	
Well 46-23-304—Continued			
Nov. 13, 1975	67.35	2.43	
Nov. 3, 1976	56.30		11.05
Nov. 11, 1977	67.65	11.35	
Nov. 3, 1978	68.40	.75	
Jan. 8, 1980	68.85	.45	
Jan. 16, 1981	68.47		.38
Well 46-23-701			
Sept. 20, 1950	77.95		
Apr. 1, 1957	79.80	1.85	
Sept. 14, 1967	84.50	4.70	
Dec. 16, 1967	80.71		3.79
July 15, 1975	72.01		8.70
Nov. 13, 1975	78.44*	6.43	
Nov. 3, 1976	79.03Q	.59	
Nov. 11, 1977	78.94		.09
Nov. 3, 1978	86.42*	7.48	
Jan. 8, 1980	84.03		2.39
Jan. 15, 1981	82.48		1.55
Well 46-24-301			
Oct. 5, 1956	51.60		
Jan. 4, 1958	52.40	.80	
Dec. 2, 1960	51.29		1.11
Dec. 7, 1961	51.09		.20
Dec. 6, 1962	50.80		.29
Dec. 5, 1963	51.02	.22	
Dec. 3, 1964	51.29	.27	
Dec. 6, 1965	52.08	.79	
Dec. 9, 1966	58.11*	6.03	
Nov. 29, 1967	53.98		4.13
Dec. 9, 1968	51.95		2.03
Dec. 16, 1969	51.65		.30
Jan. 25, 1971	55.76	4.11	
Dec. 7, 1971	51.82		3.94
Dec. 9, 1972	49.33		2.49
Dec. 6, 1973	51.74	2.41	
Oct. 23, 1974	50.08		1.66
Nov. 13, 1975	51.12	1.04	
Nov. 4, 1976	50.85		.27
Nov. 10, 1977	50.73		.12
Nov. 3, 1978	52.33*	1.60	
Jan. 7, 1980	49.97		2.36
Jan. 15, 1981	51.26	1.29	

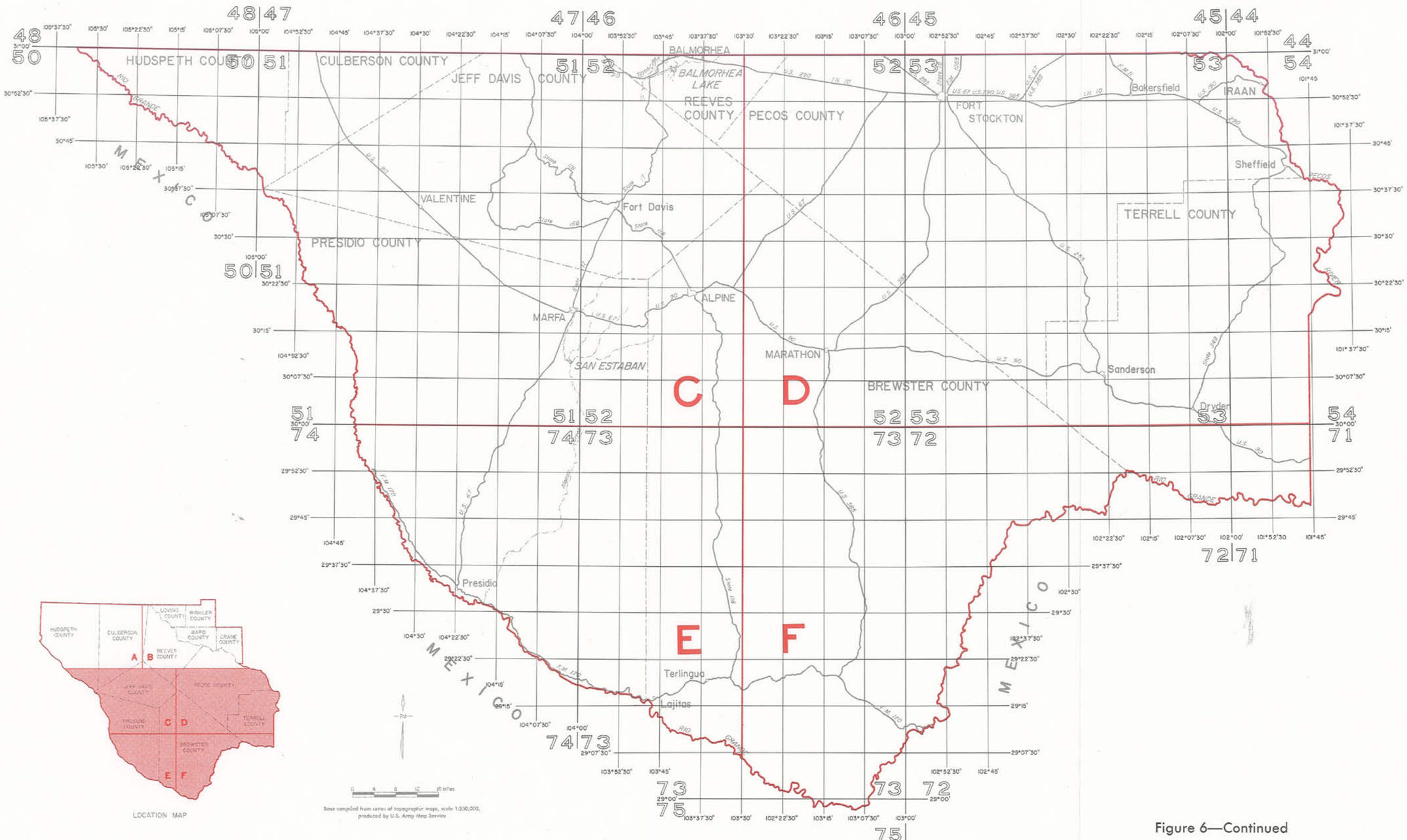




LOCATION MAP

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

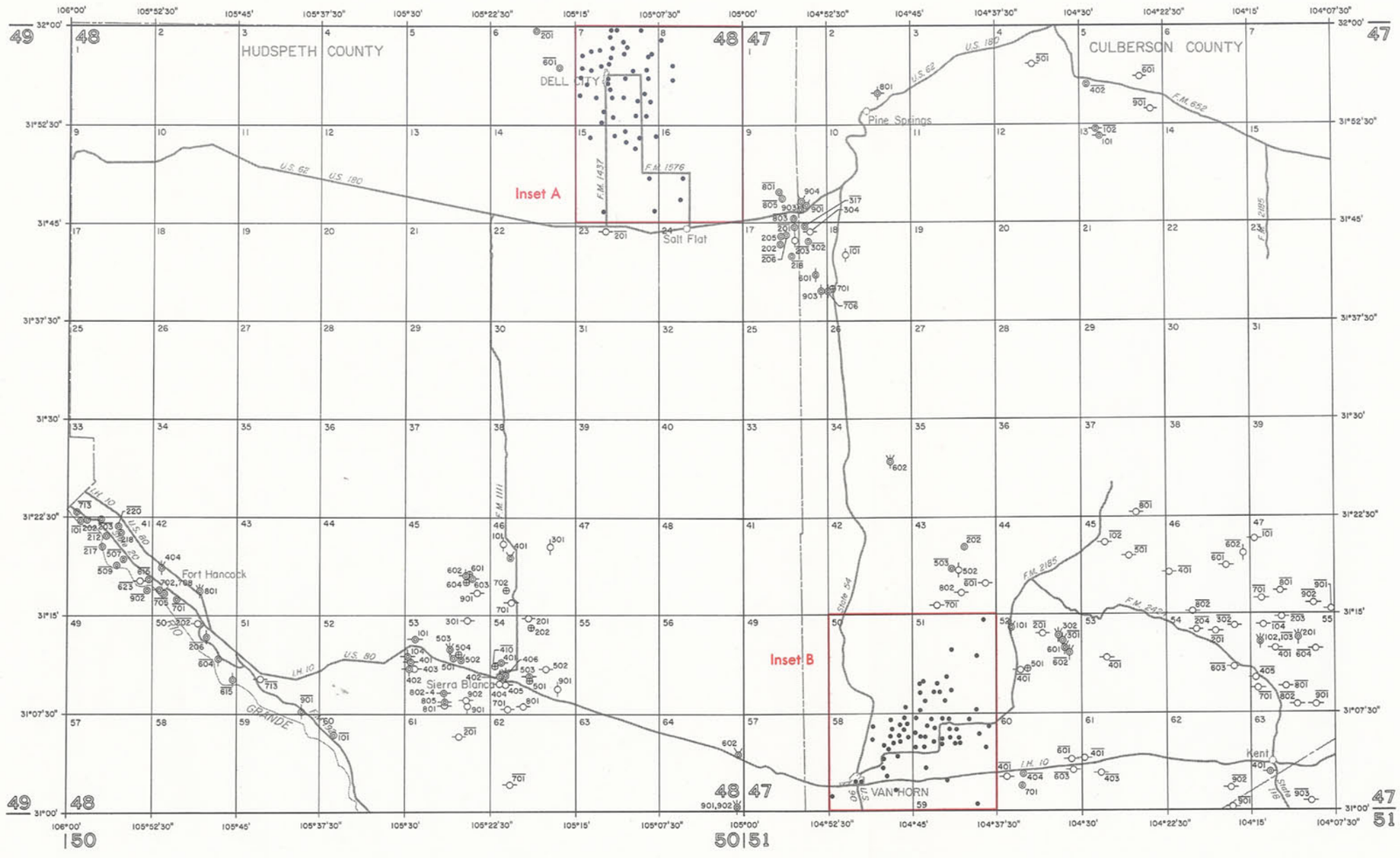
Figure 6
Location of Selected Wells in the Trans-Pecos Region



LOCATION MAP

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 6—Continued
Location of Selected Wells in the Trans-Pecos Region



EXPLANATION

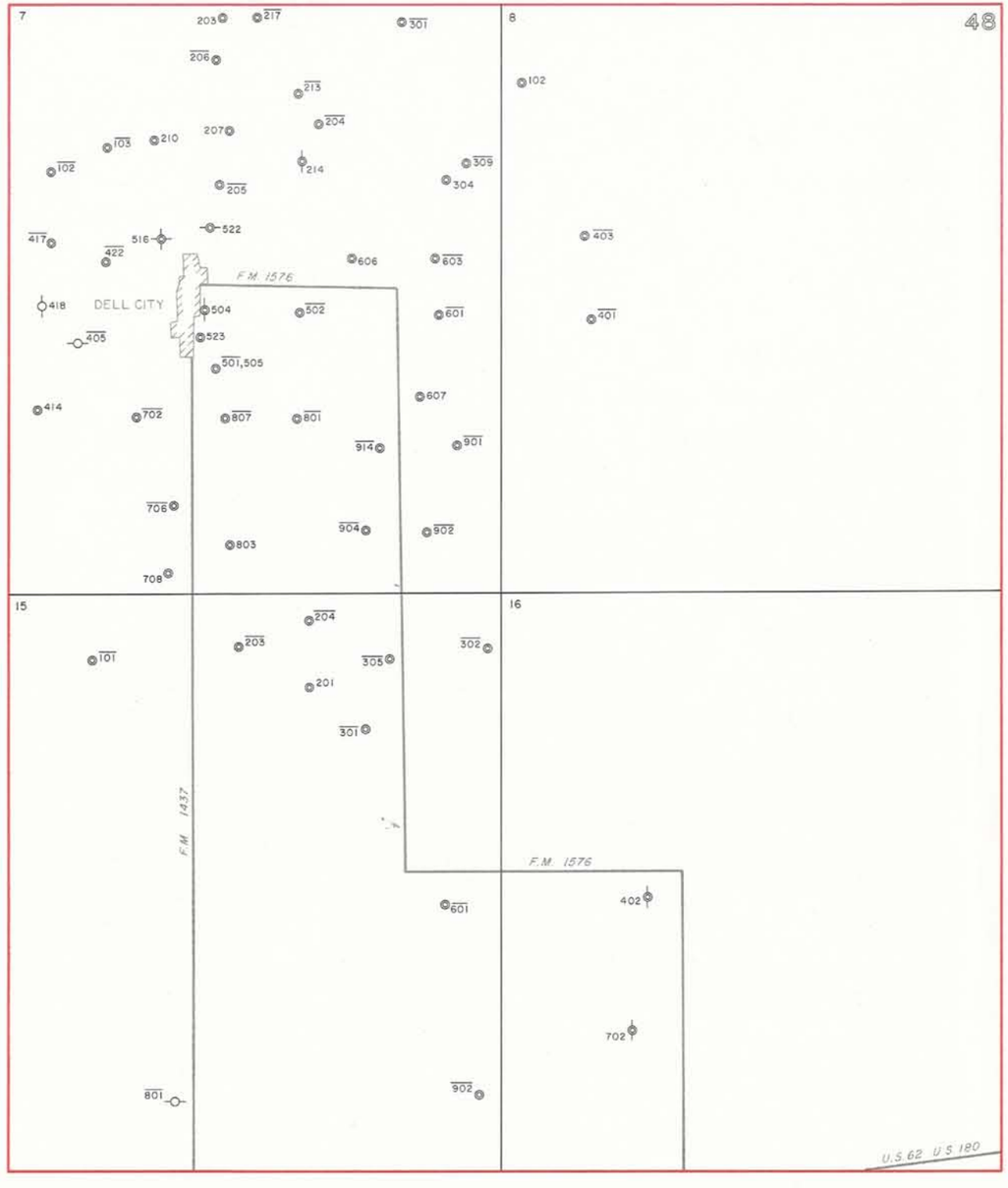
- Domestic or livestock well
- Industrial well
- Irrigation well
- Public-supply well
- Unused or destroyed well
- Test well or supplemental data point
- Spring
- Oil or gas test
- Solid circle indicates flowing well
- 101 — Line above last three digits of well number indicates chemical analysis shown in Table 6

Location of Figures 6A and 6B shown on Figure 6 inset location map

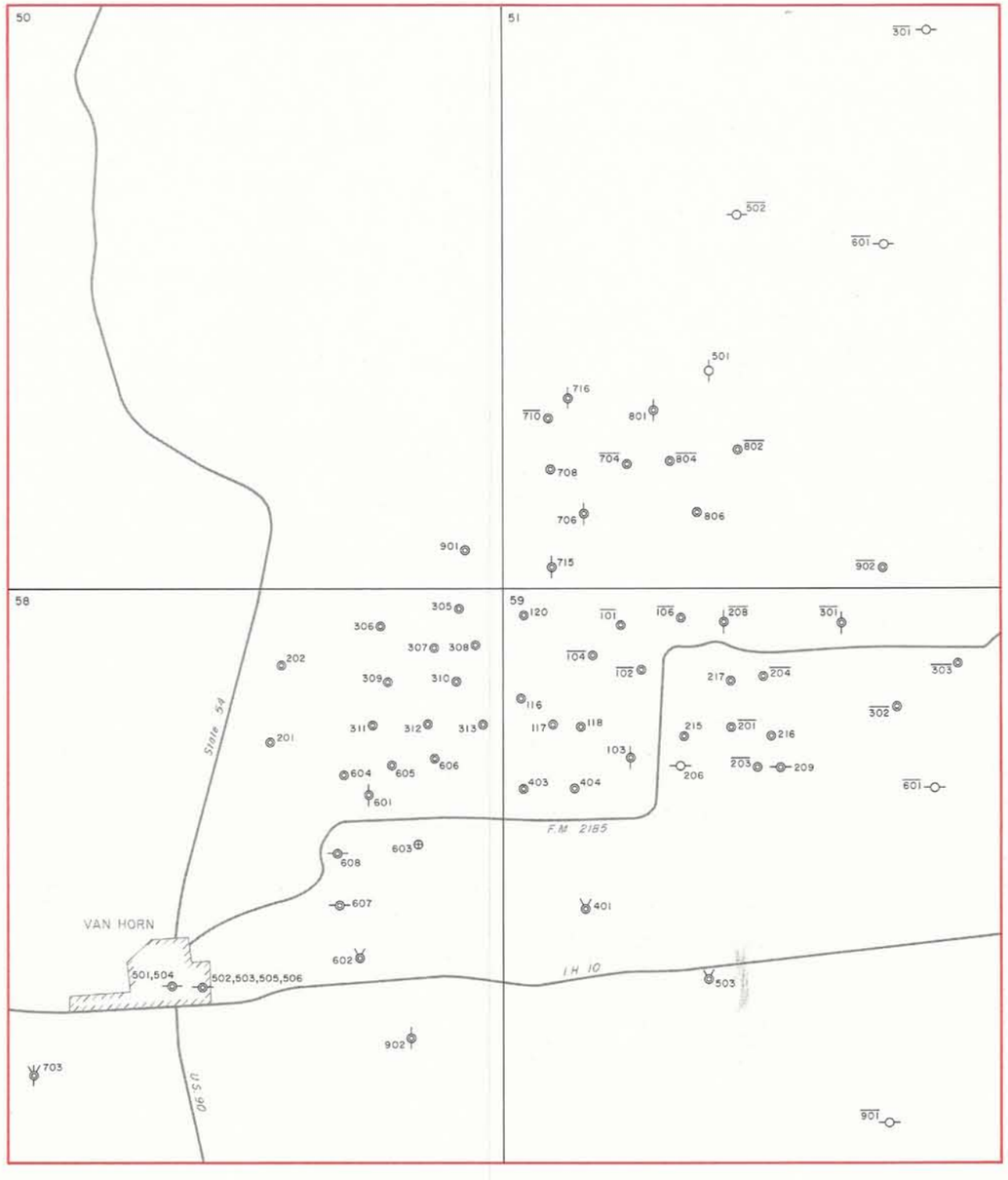
0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 6A
Location of Selected Wells in the Trans-Pecos Region



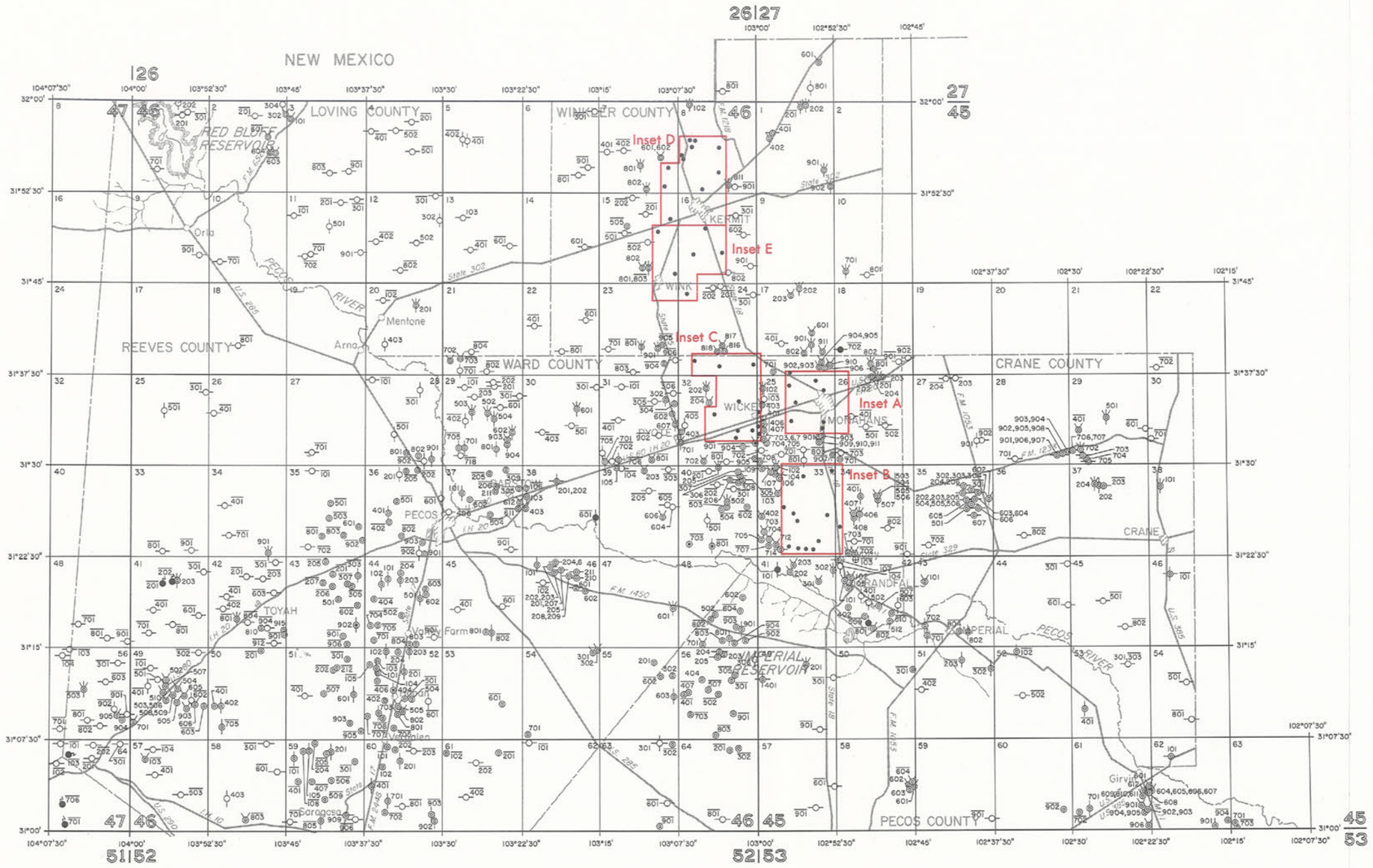
Inset A



Inset B

0 1 2 3 4 Miles

Figure 6A—Insets



EXPLANATION

- Domestic or livestock well
- Industrial well
- Irrigation well
- Public-supply well
- Unused or destroyed well
- Test well or supplemental data point
- Spring
- Oil or gas test
- Solid circle indicates flowing well
- 101 — Line above last three digits of well number indicates chemical analysis shown in Table 6

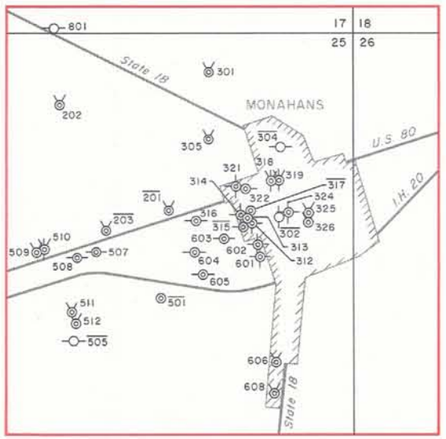
Location of Figures 6A and 6B shown on Figure 6 inset location map

0 4 8 12 16 Miles

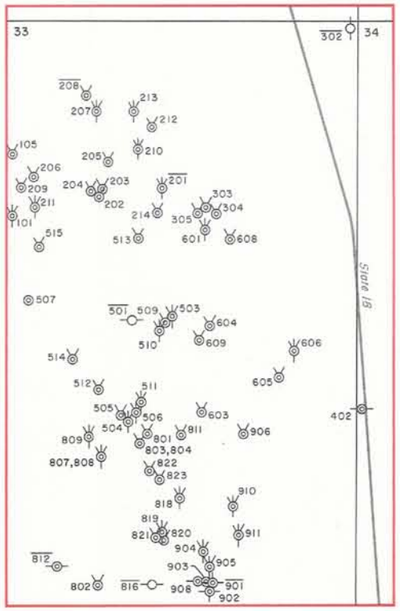
Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 6B

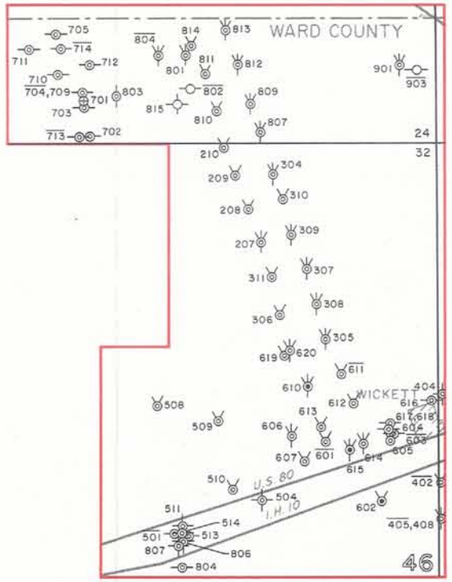
Location of Selected Wells in the Trans-Pecos Region



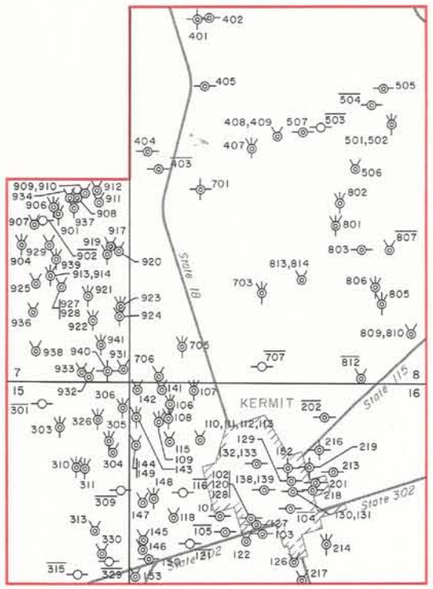
Inset A



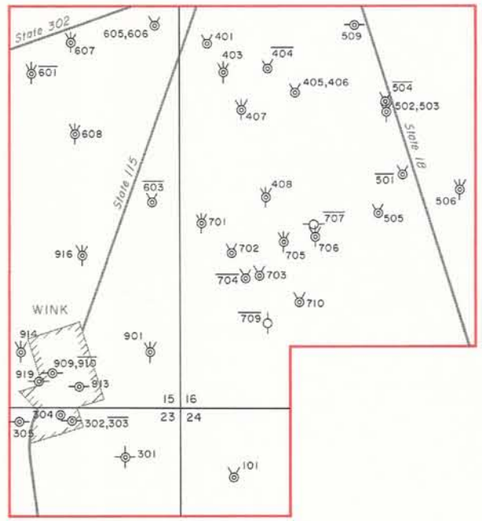
Inset B



Inset C



Inset E



Inset D

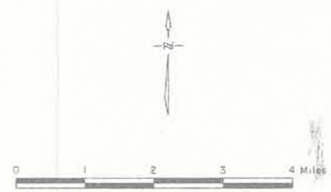
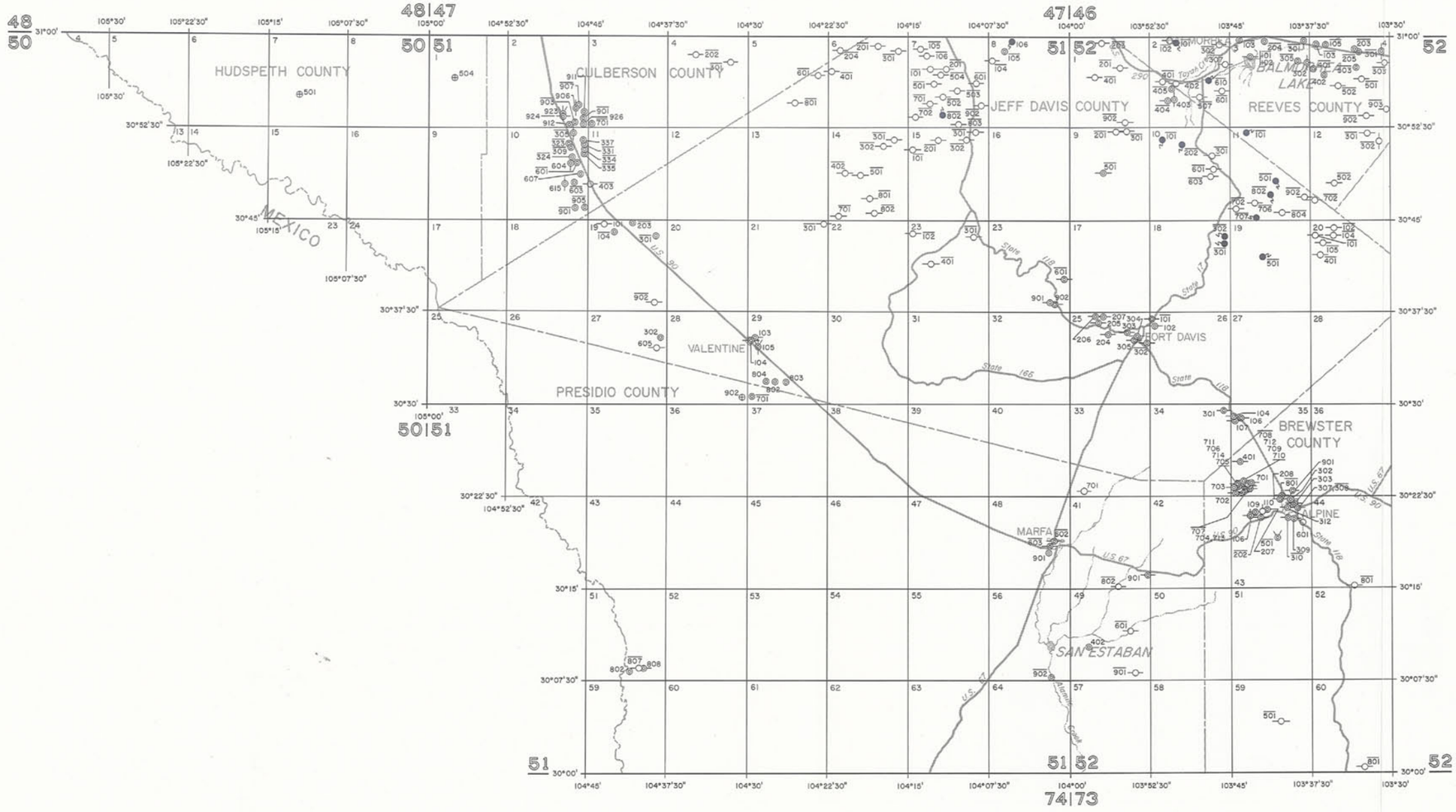


Figure 6B—Insets



EXPLANATION

- Domestic or livestock well
- Industrial well
- Irrigation well
- Public-supply well
- Unused or destroyed well
- Test well or supplemental data point
- Spring
- Oil or gas test
- Solid circle indicates flowing well
- 101 — Line above last three digits of well number indicates chemical analysis shown in Table 6

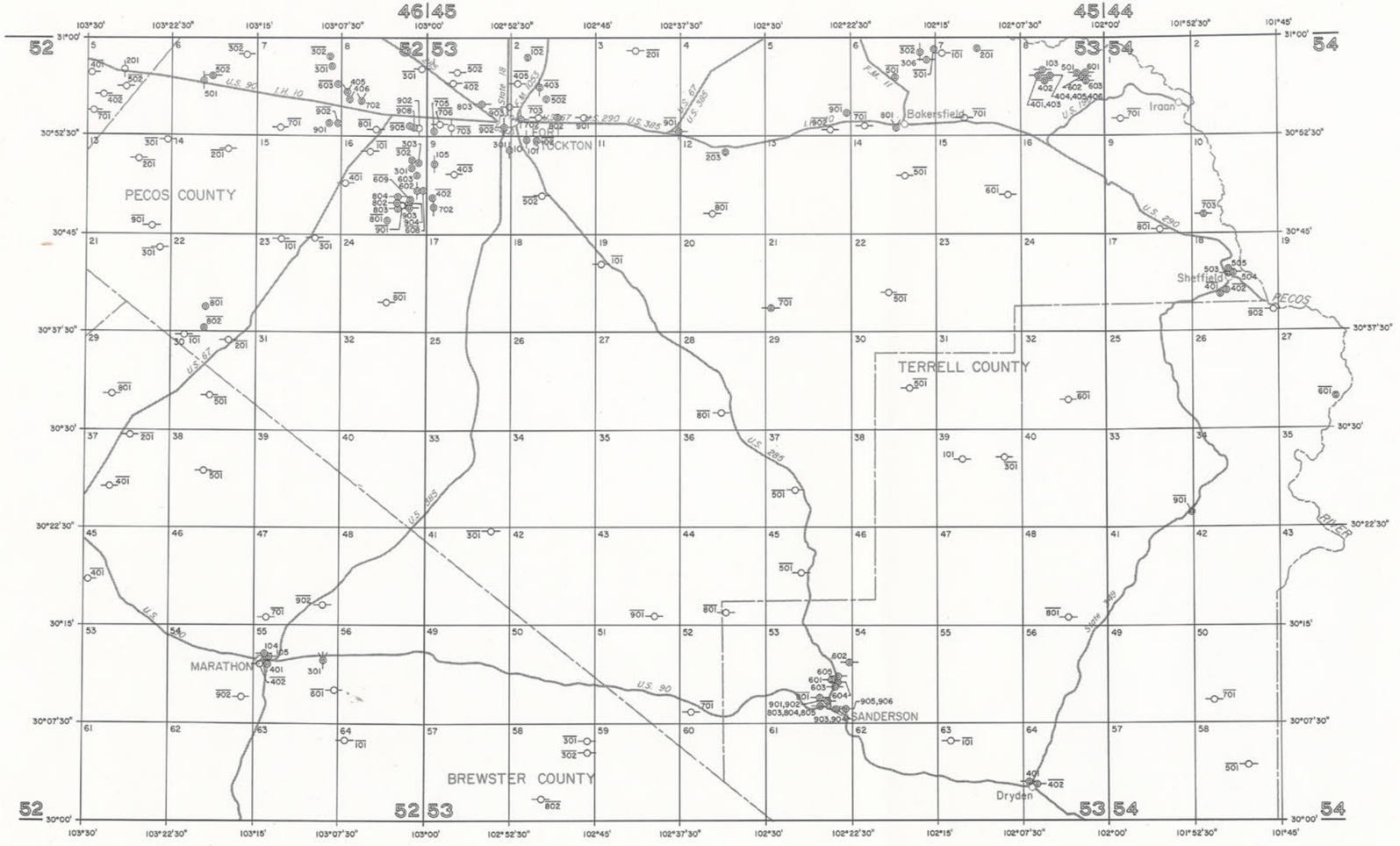
Location of Figures 6C through 6F shown on Figure 6—continued inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 6C

Location of Selected Wells in the Trans-Pecos Region



0 4 8 12 16 Miles

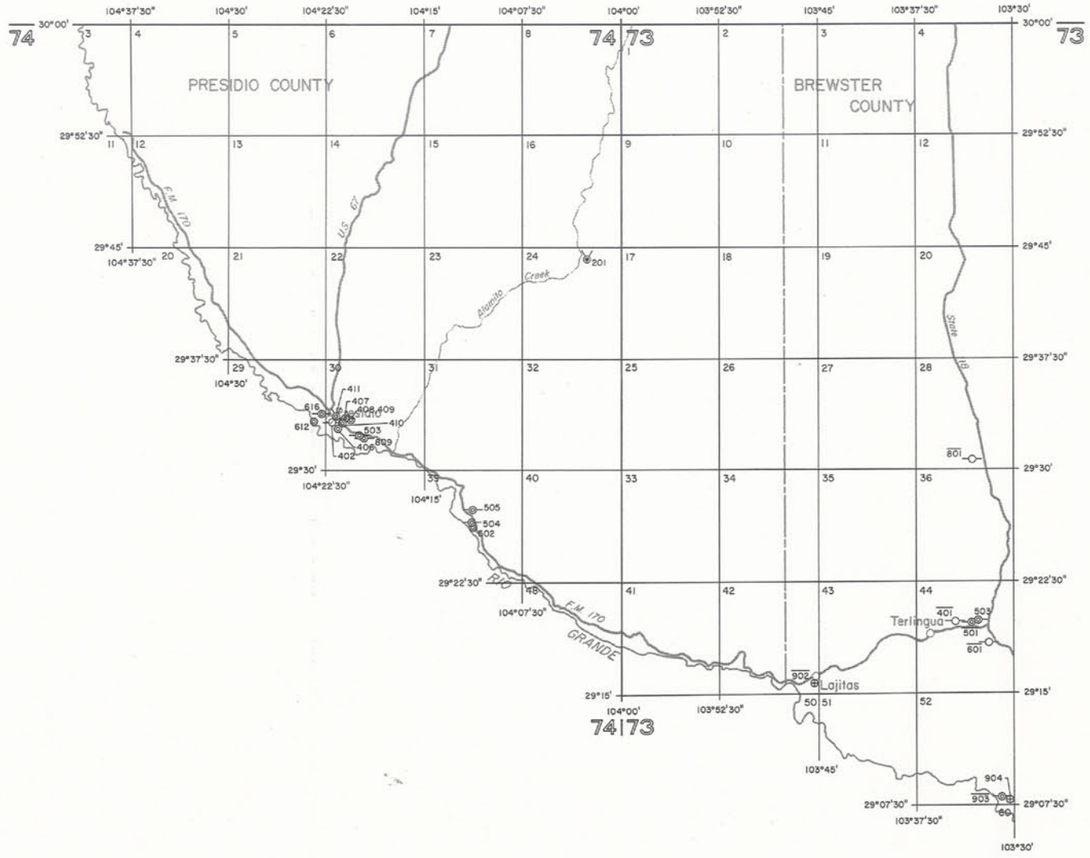
Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

- Domestic or livestock well
- Industrial well
- Irrigation well
- Public-supply well
- Unused or destroyed well
- Test well or supplemental data point
- Spring
- Oil or gas test
- Solid circle indicates flowing well
- 101 — Line above last three digits of well number indicates chemical analysis shown in Table 6

Location of Figures 6C through 6F shown on Figure 6—continued inset location map

Figure 6D
Location of Selected Wells in the Trans-Pecos Region



EXPLANATION

Domestic or livestock well

Industrial well

Irrigation well

Public-supply well

Unused or destroyed well

Test well or supplemental data point

Spring

Oil or gas test

Solid circle indicates flowing well

101

Line above last three digits of well number indicates chemical analysis shown in Table 6

Location of Figures 6C through 6F shown on Figure 6—continued inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 6E

Location of Selected Wells in the Trans-Pecos Region

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

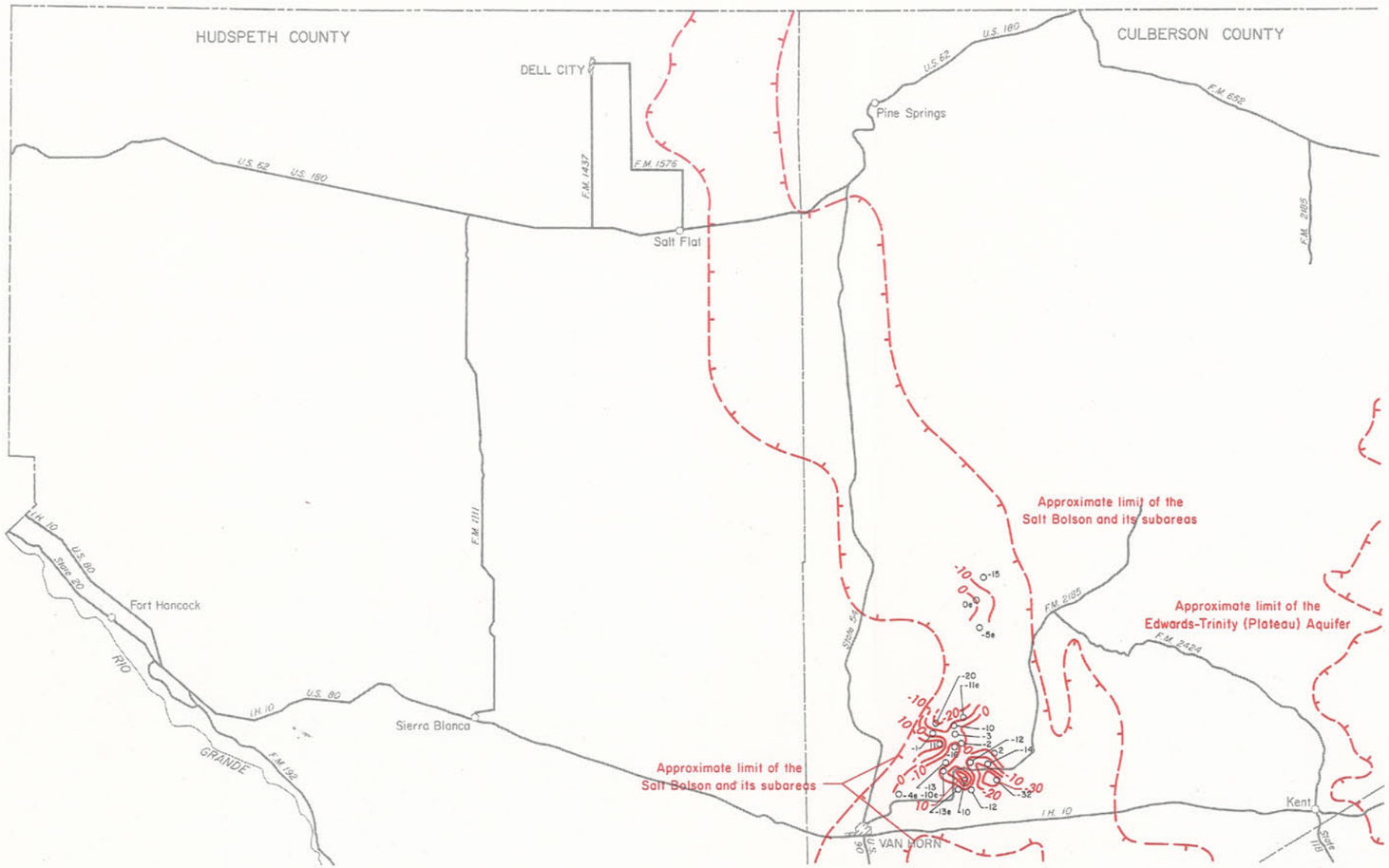
EXPLANATION

- Domestic or livestock well
- Industrial well
- Irrigation well
- Public-supply well
- Unused or destroyed well
- Test well or supplemental data point
- Spring
- Oil or gas test
- Solid circle indicates flowing well
- $\overline{101}$ Line above last three digits of well number indicates chemical analysis shown in Table 6

Location of Figures 6C through 6F shown on Figure 6—continued inset location map

Figure 6F

Location of Selected Wells in the Trans-Pecos Region



EXPLANATION

-10_{e} $20_{\bullet}$ $_{\blacksquare}8$ $_{\blacktriangle}{}^{-14}$

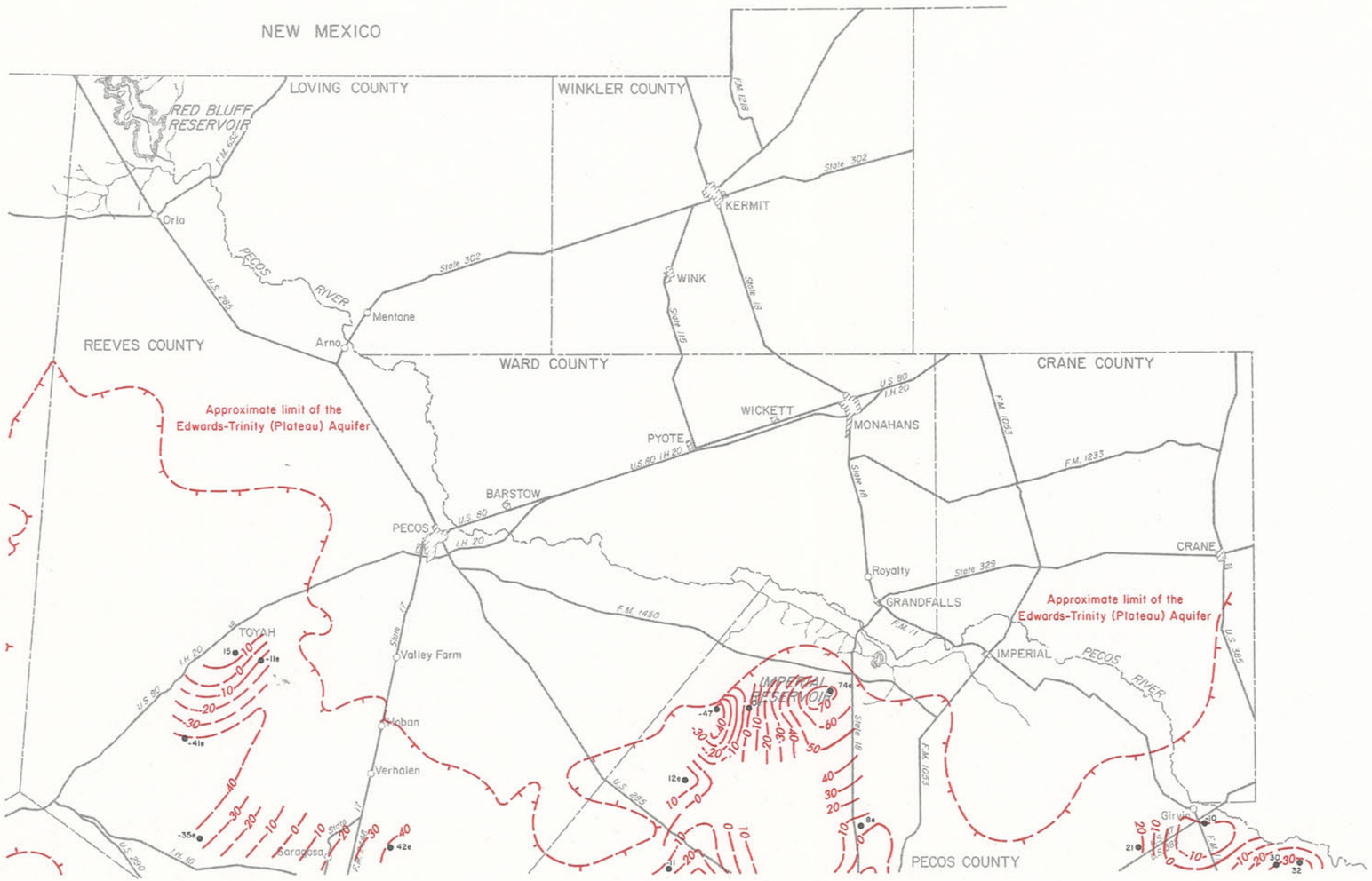
Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

—10— Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

Location of Figures 7A and 7B shown on
Figure 6 inset location map

Figure 7A

Approximate Change in Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About 1968-80



EXPLANATION

-10e ○ 20 ● ■ 8 ▲ -14

Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

—10— Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

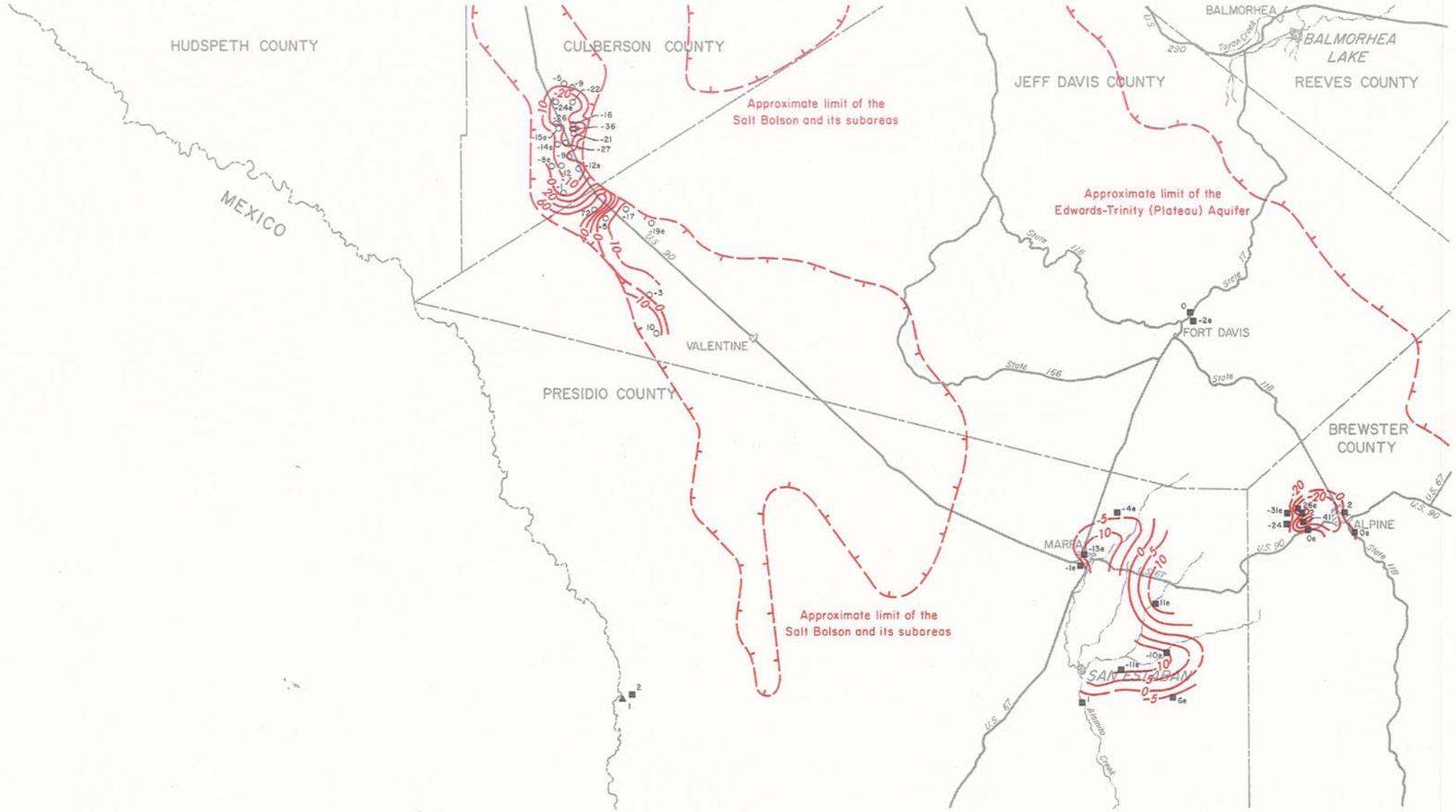
Location of Figures 7A and 7B shown on
Figure 6 inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000,
produced by U.S. Army Map Service

Figure 7B

Approximate Change in Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About 1968-80



EXPLANATION

-10e ○ 20 ● ■ 8 ▲ -14

Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

10

Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

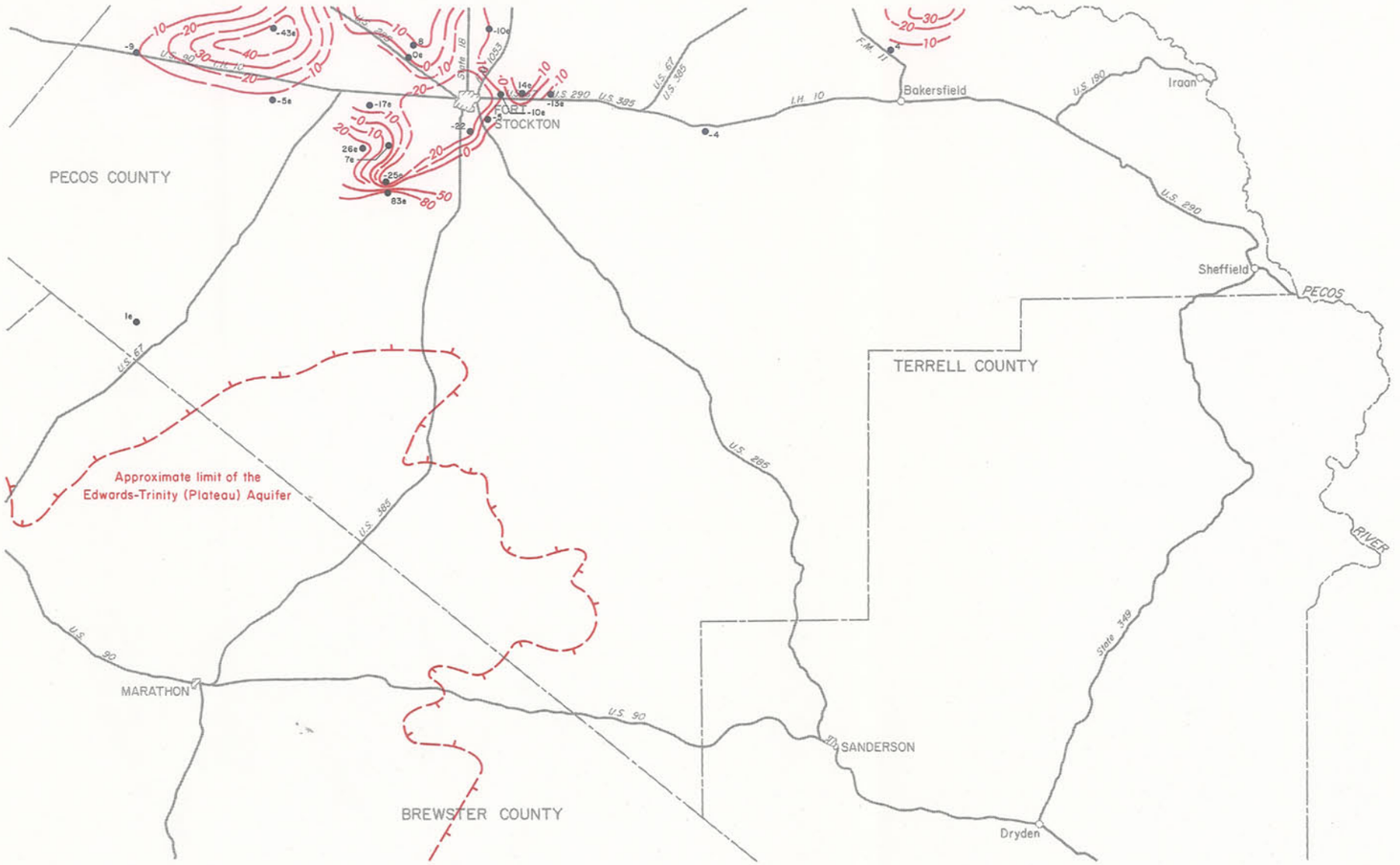
Location of Figures 7C through 7F shown on
Figure 6—continued inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000,
produced by U.S. Army Map Service

Figure 7C

Approximate Change in Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About 1968-80



EXPLANATION

-10e ○ 20 ● ■ 8 ▲ -14

Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

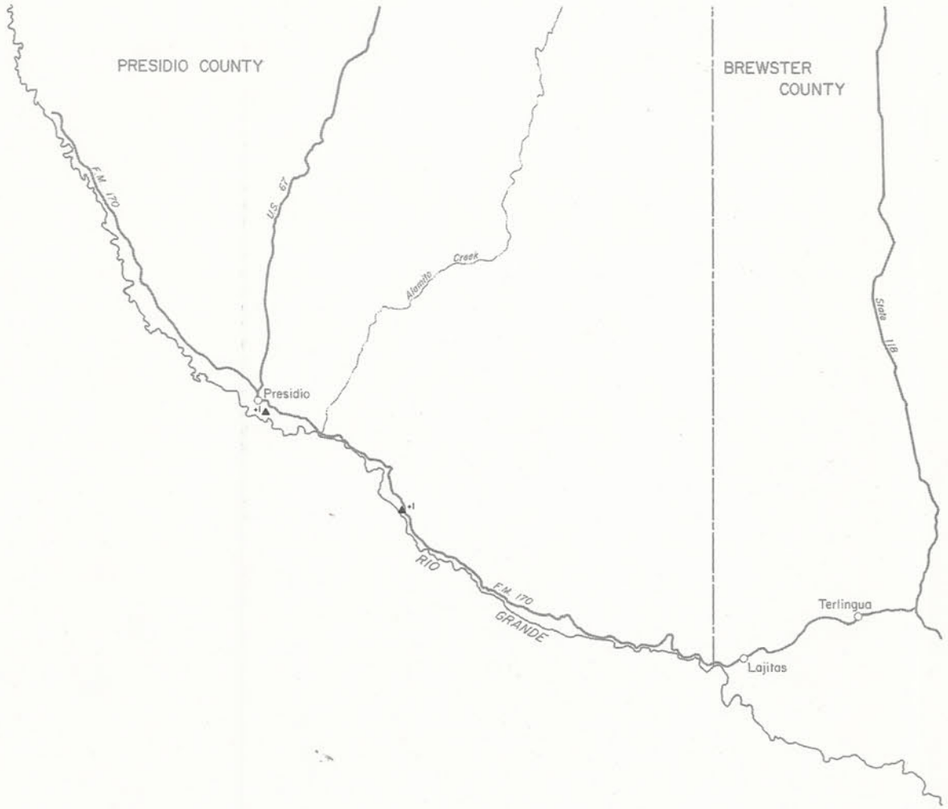
—10— — —

Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

Location of Figures 7C through 7F shown on
Figure 6—continued inset location map

Figure 7D

Approximate Change in Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About 1968-80



EXPLANATION

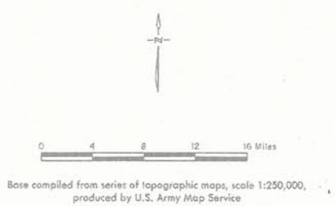
-10e ○ 20 ● ■ 8 ▲ -14

Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

—10— — —

Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

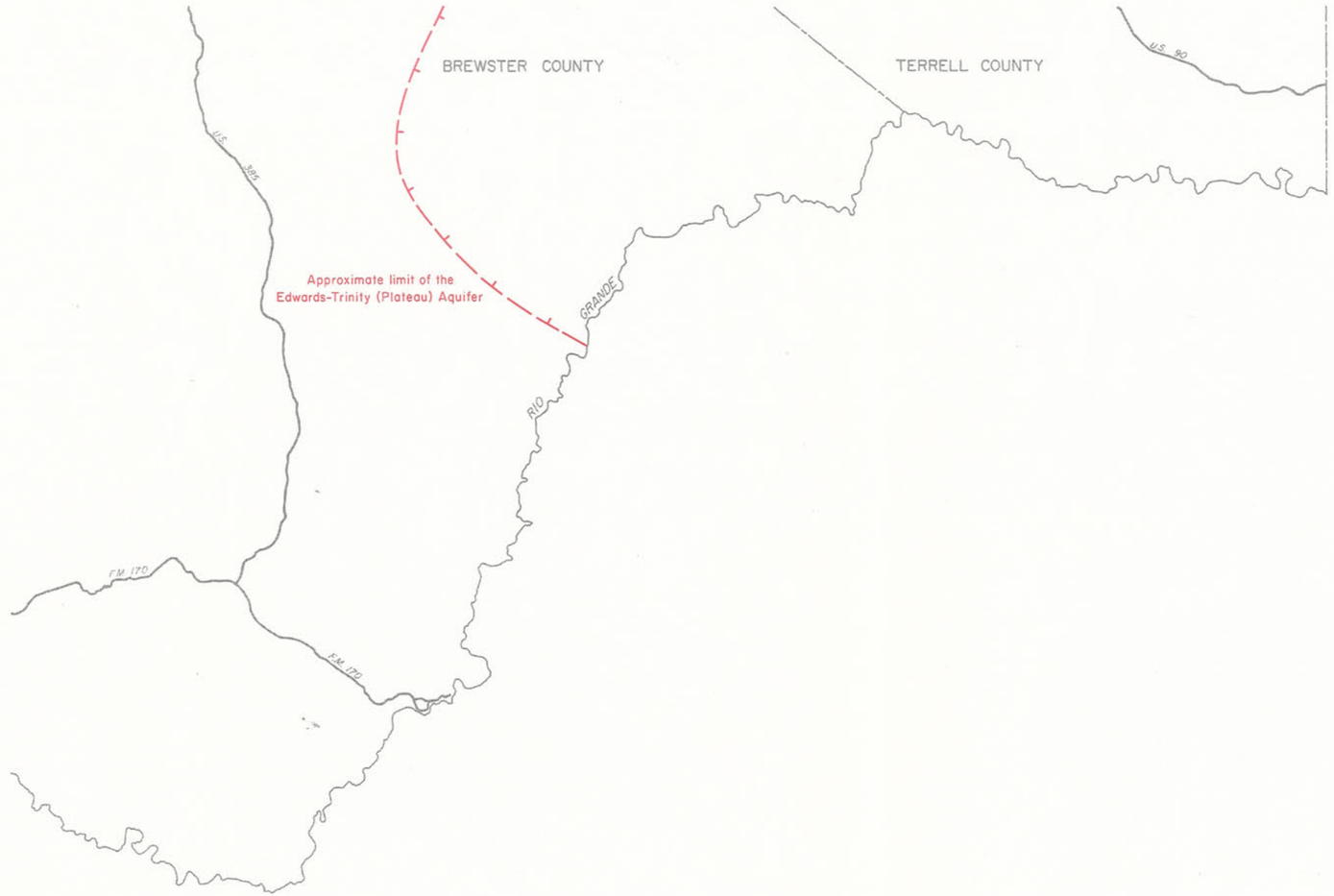
Location of Figures 7C through 7F shown on
Figure 6—continued inset location map



Base compiled from series of topographic maps, scale 1:250,000,
produced by U.S. Army Map Service

Figure 7E

Approximate Change in Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About 1968-80



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

-10e○ 20● ■8 ▲-14

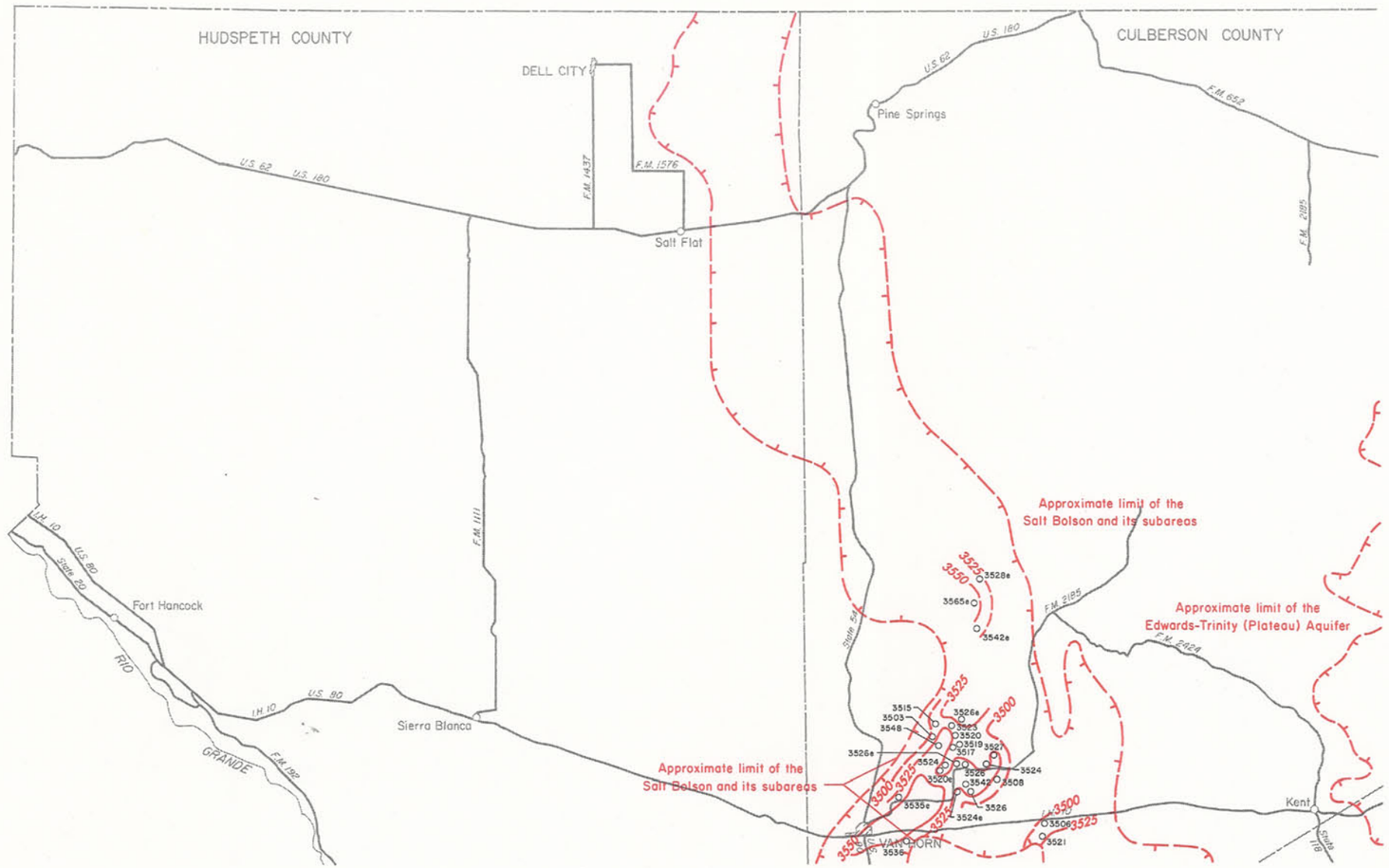
Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

—10— Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

Location of Figures 7C through 7F shown on
Figure 6—continued inset location map

Figure 7F

Approximate Change in Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About 1968-80



0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

3850e 3000 4650 2500

Wells used for control
Number indicates altitude of water level, in feet above mean sea level; "e" indicates altitude of water estimated from measurements made during the period 1968-80
Open circle indicates wells producing from the Salt Bolson and its subareas, closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer, closed square indicates wells in the Tertiary volcanics and/or Quaternary alluvium deposits, and closed triangle indicates wells in the Quaternary alluvial deposits along the Rio Grande

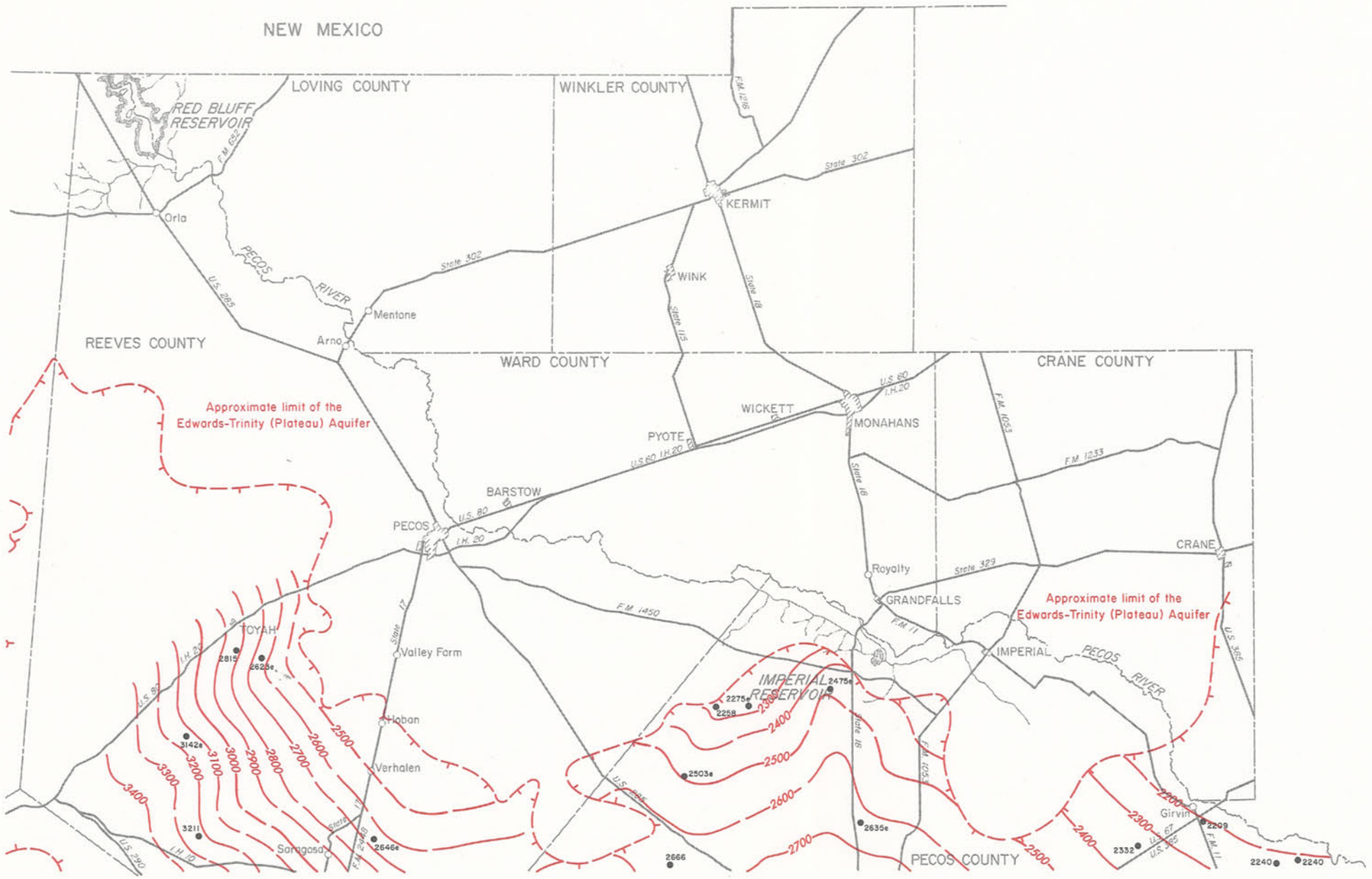
3000

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is variable
Datum is mean sea level

Location of Figures 8A and 8B shown on Figure 6 inset location map

Figure 8A

Approximate Altitude of Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About January 1980



EXPLANATION

3850e ○ 3000 ● ■ 4650 ▲ 2500

Wells used for control
Number indicates altitude of water level, in feet above mean sea level;
"e" indicates altitude of water estimated from measurements made during the period 1968-80
Open circle indicates wells producing from the Salt Bolson and its subareas, closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer, closed square indicates wells in the Tertiary volcanics and/or Quaternary alluvium deposits, and closed triangle indicates wells in the Quaternary alluvial deposits along the Rio Grande

—3000—

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is variable
Datum is mean sea level

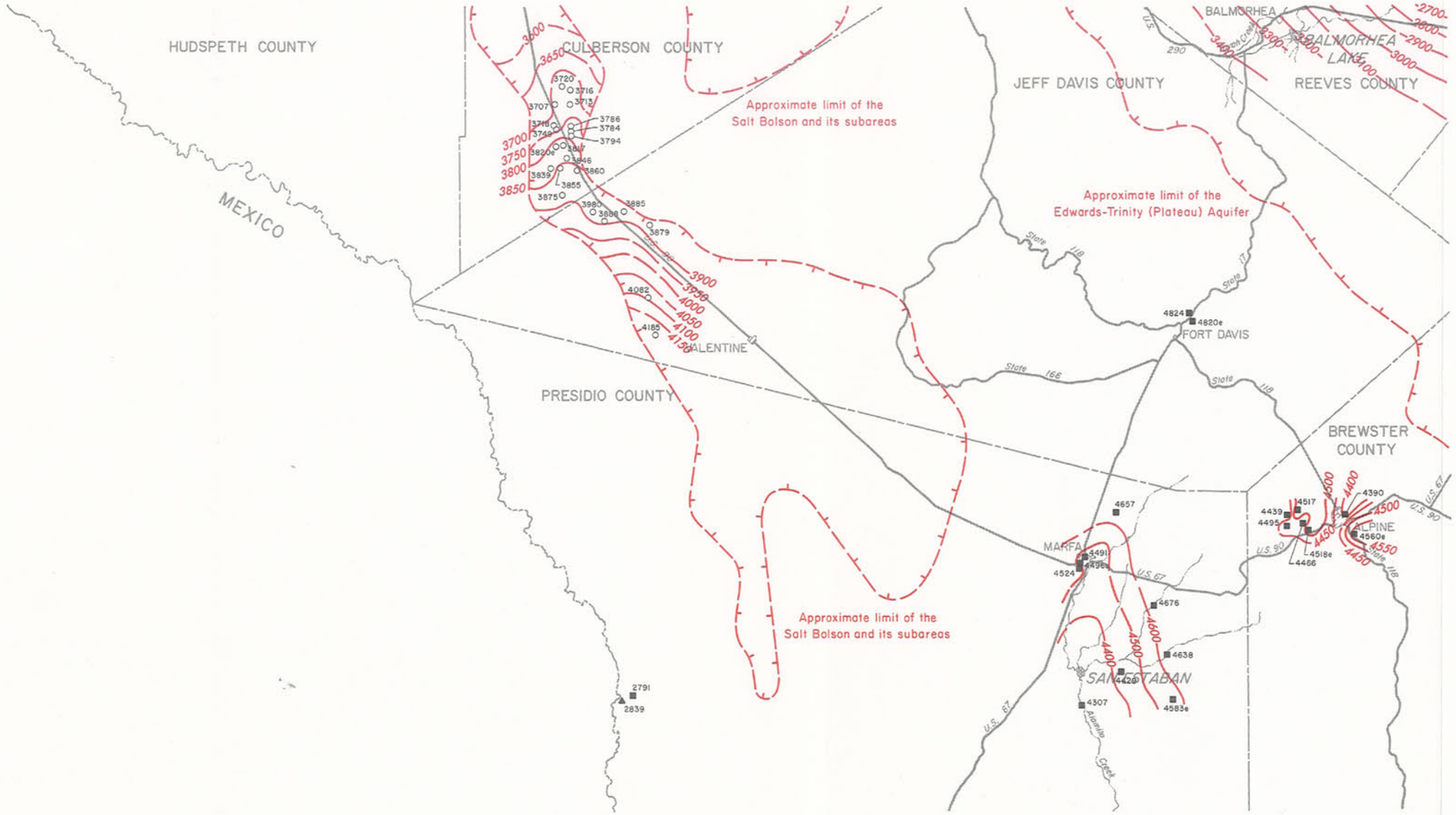
Location of Figures 8A and 8B shown on Figure 6 inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 8B

Approximate Altitude of Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About January 1980



EXPLANATION

3850e 3000 4650 2500

Wells used for control
Number indicates altitude of water level, in feet above mean sea level; "e" indicates altitude of water estimated from measurements made during the period 1968-80
Open circle indicates wells producing from the Salt Bolson and its subareas, closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer, closed square indicates wells in the Tertiary volcanics and/or Quaternary alluvium deposits, and closed triangle indicates wells in the Quaternary alluvial deposits along the Rio Grande

3000

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is variable
Datum is mean sea level

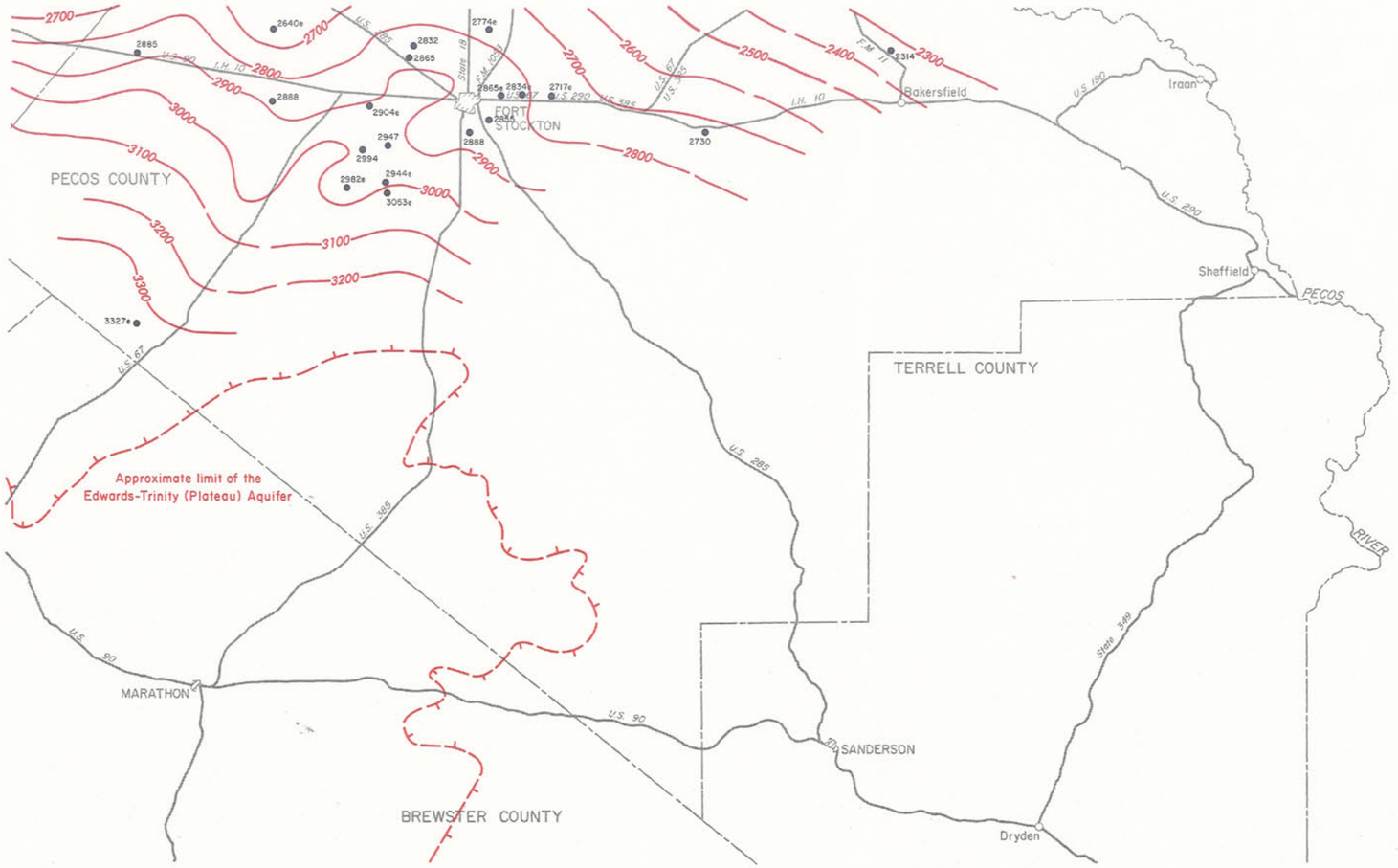
Location of Figures 8C through 8F shown on Figure 6—continued inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 8C

Approximate Altitude of Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About January 1980



EXPLANATION

3850e 3000 4650 2500

Wells used for control
Number indicates altitude of water level,
in feet above mean sea level;
"e" indicates altitude of water estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

3000

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is variable
Datum is mean sea level

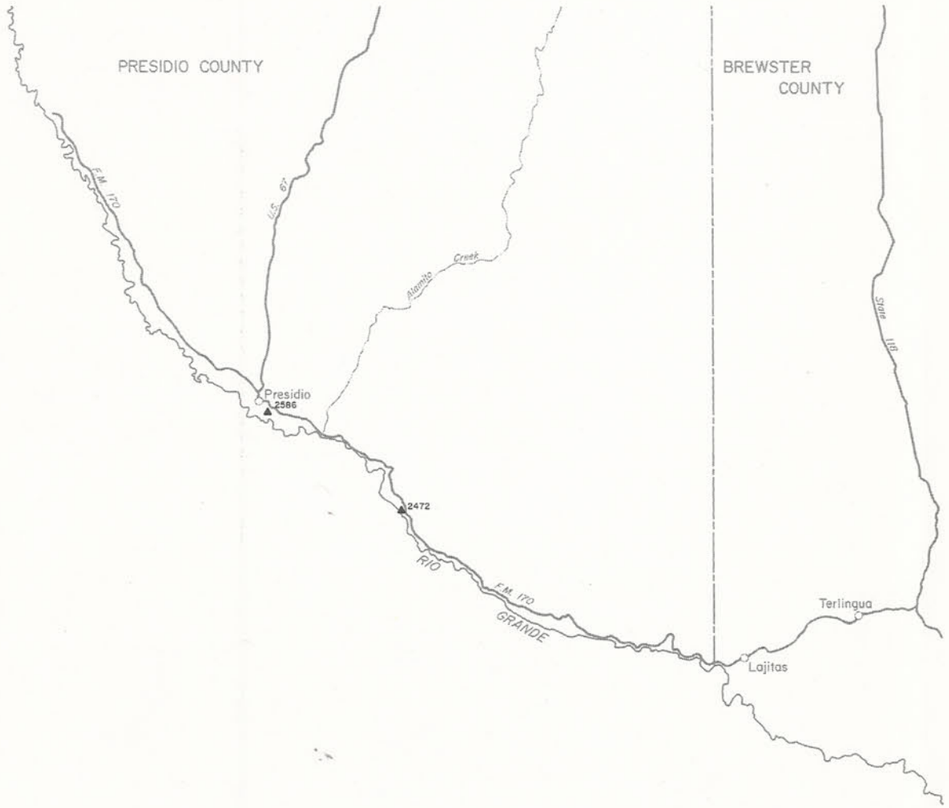
Location of Figures 8C through 8F shown on
Figure 6—continued inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000,
produced by U.S. Army Map Service

Figure 8D

Approximate Altitude of Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About January 1980



EXPLANATION

3850 ○ 3000 ● ■ 4650 ▲ 2500

Wells used for control
Number indicates altitude of water level,
in feet above mean sea level;
"e" indicates altitude of water estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Salt Bolson and its subareas, closed circle indicates
wells producing from the Edwards-Trinity (Plateau) aquifer,
closed square indicates wells in the
Tertiary volcanics and/or Quaternary alluvium deposits, and
closed triangle indicates wells in the
Quaternary alluvial deposits along the Rio Grande

3000

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is variable
Datum is mean sea level

Location of Figures 8C through 8F shown on
Figure 6—continued inset location map

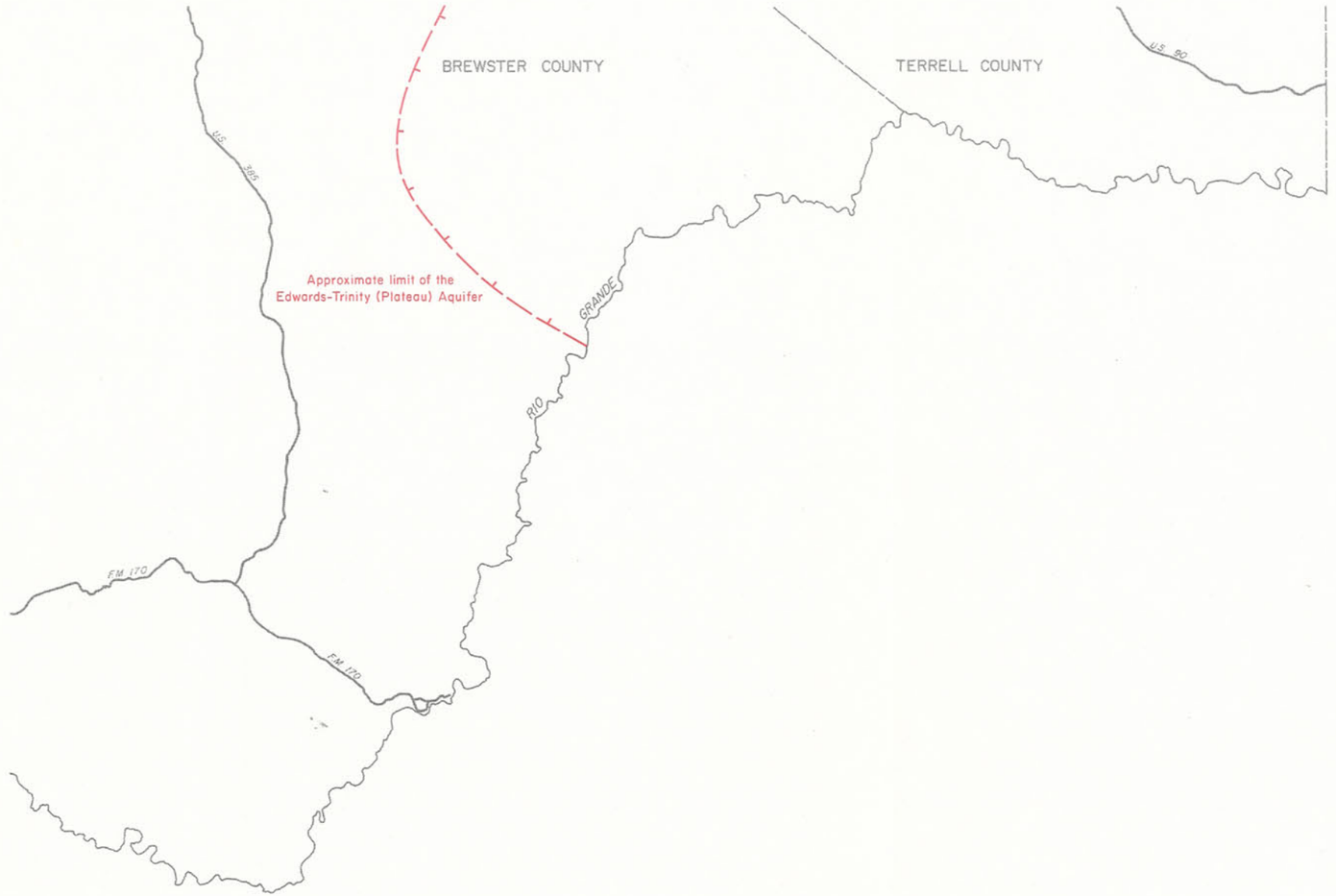
N

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000,
produced by U.S. Army Map Service

Figure 8E

Approximate Altitude of Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About January 1980



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

3850e 3000 4650 2500

Wells used for control
Number indicates altitude of water level, in feet above mean sea level; "e" indicates altitude of water estimated from measurements made during the period 1968-80
Open circle indicates wells producing from the Salt Bolson and its subareas, closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer, closed square indicates wells in the Tertiary volcanics and/or Quaternary alluvium deposits, and closed triangle indicates wells in the Quaternary alluvial deposits along the Rio Grande

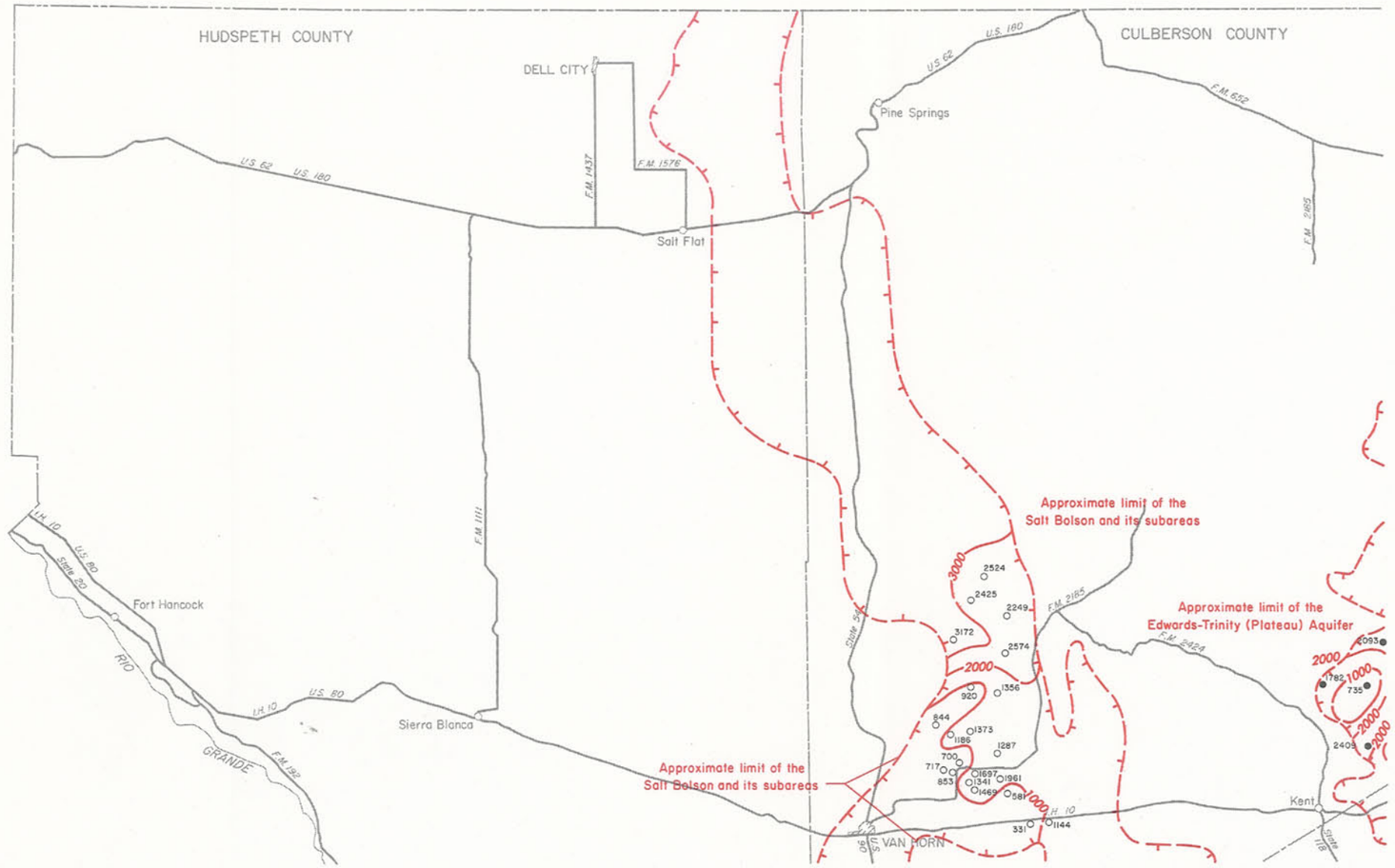
—3000—

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is variable
Datum is mean sea level

Location of Figures 8C through 8F shown on Figure 6—continued inset location map

Figure 8F

Approximate Altitude of Water Levels in the Salt Bolson and its Subareas, Edwards-Trinity (Plateau) Aquifer, Tertiary Volcanics and Scattered Quaternary Alluvium Deposits, and Quaternary Alluvial Deposits Along the Rio Grande, About January 1980



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

1979○ ●1979

Wells used for control
Number indicates total dissolved-solids content, in milligrams per liter
For analyses, see Table 6
Open circle indicates wells producing from the Salt Bolson and its subareas.
Closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer

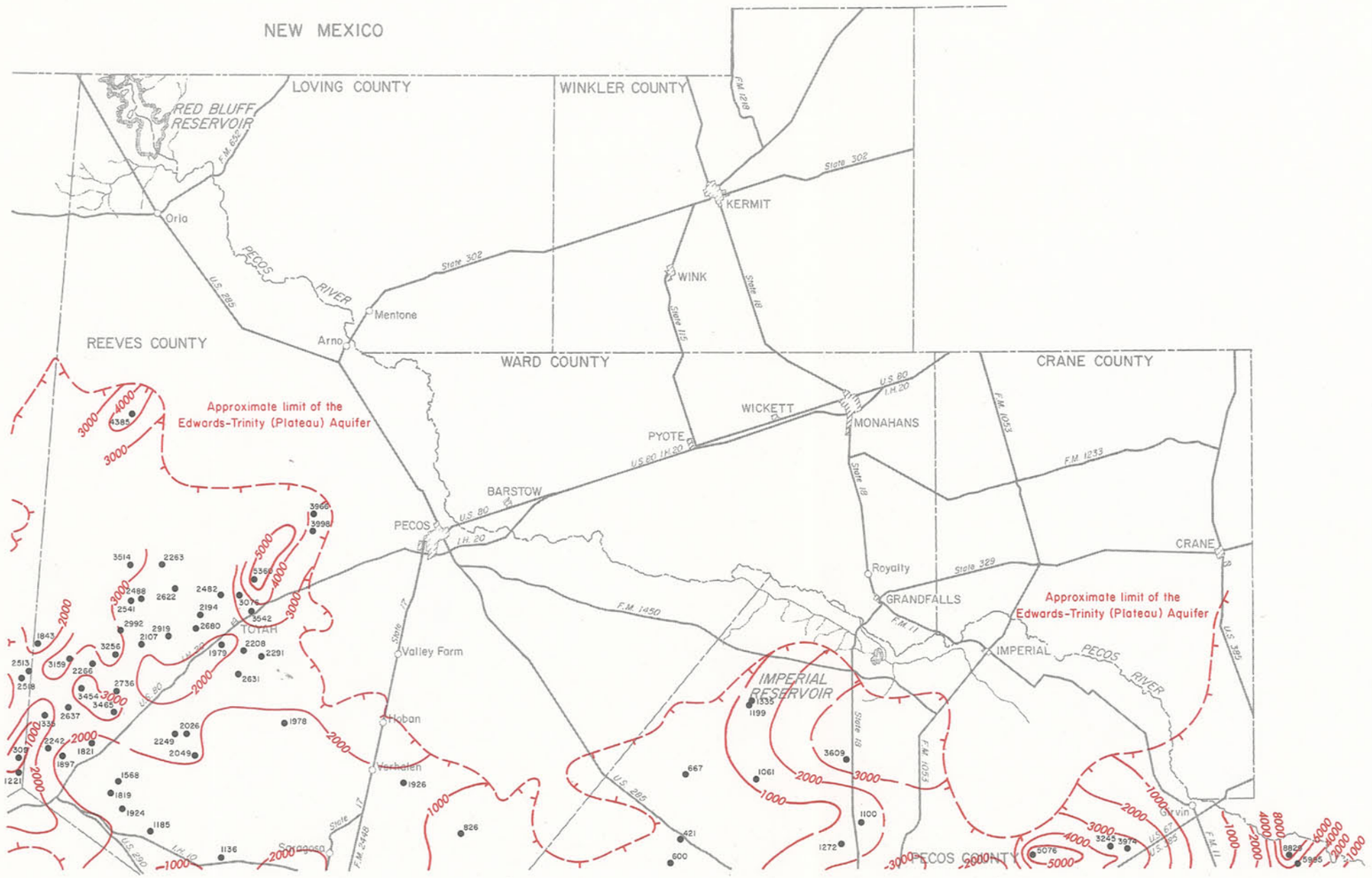
3000

Line showing approximate dissolved-solids content, in milligrams per liter
Dashed where control is absent or limited
Interval is variable

Location of Figures 9A and 9B shown on Figure 6 inset location map

Figure 9A

Dissolved-Solids Content of Water From Selected Wells Completed in the Salt Bolson and its Subareas and the Edwards-Trinity (Plateau) Aquifer



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

1979○ ●1979

Wells used for control
Number indicates total dissolved-solids content, in milligrams per liter
For analyses, see Table 6
Open circle indicates wells producing from the Salt Bolson and its subareas.
Closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer

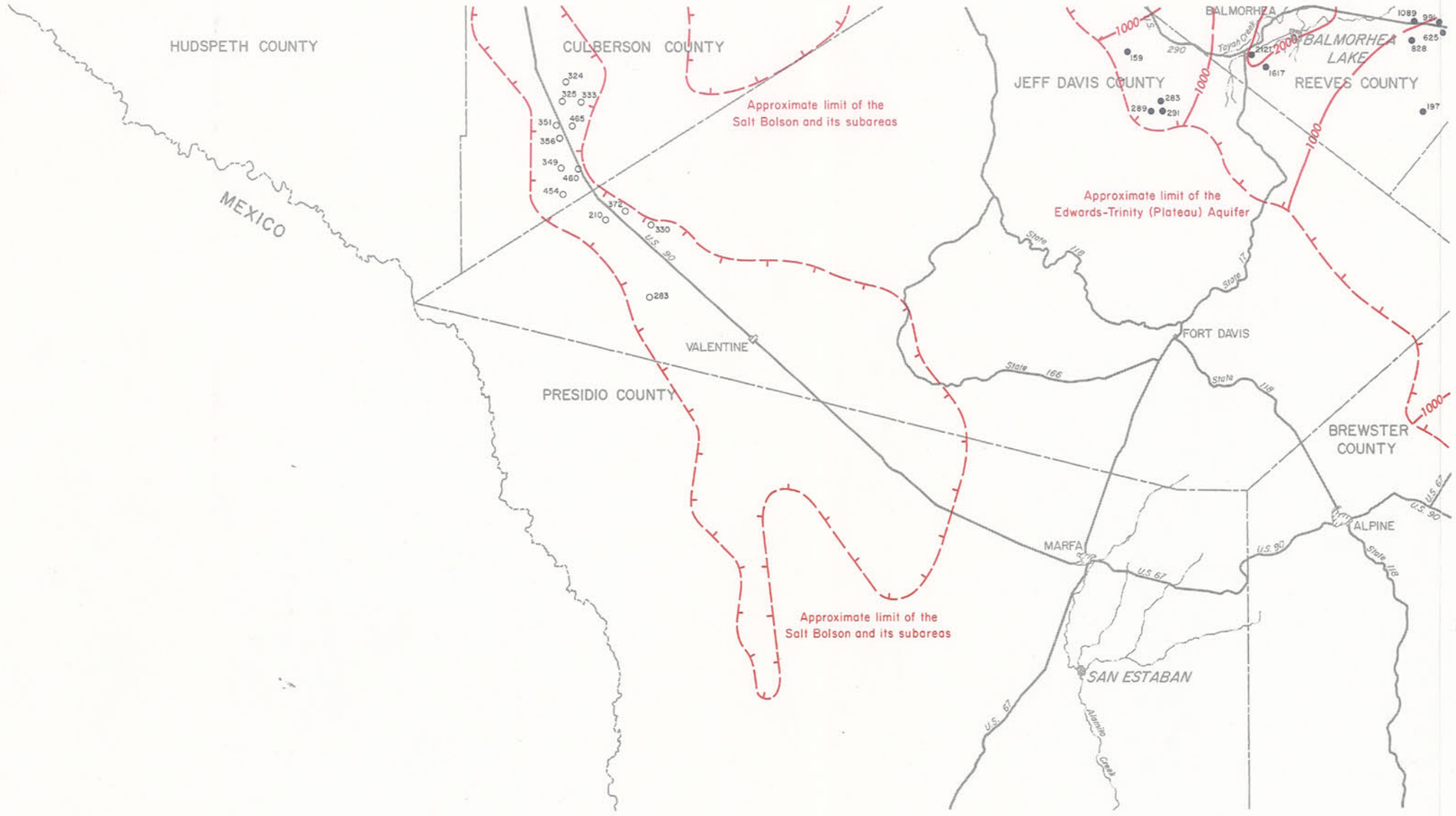
—3000—

Line showing approximate dissolved-solids content, in milligrams per liter
Dashed where control is absent or limited
Interval is variable

Location of Figures 9A and 9B shown on Figure 6 inset location map

Figure 9B

Dissolved-Solids Content of Water From Selected Wells Completed in the Salt Bolson and its Subareas and the Edwards-Trinity (Plateau) Aquifer



EXPLANATION

1979○ ●1979

Wells used for control
Number indicates total dissolved-solids content, in milligrams per liter
For analyses, see Table 6
Open circle indicates wells producing from the Salt Bolson and its subareas.
Closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer

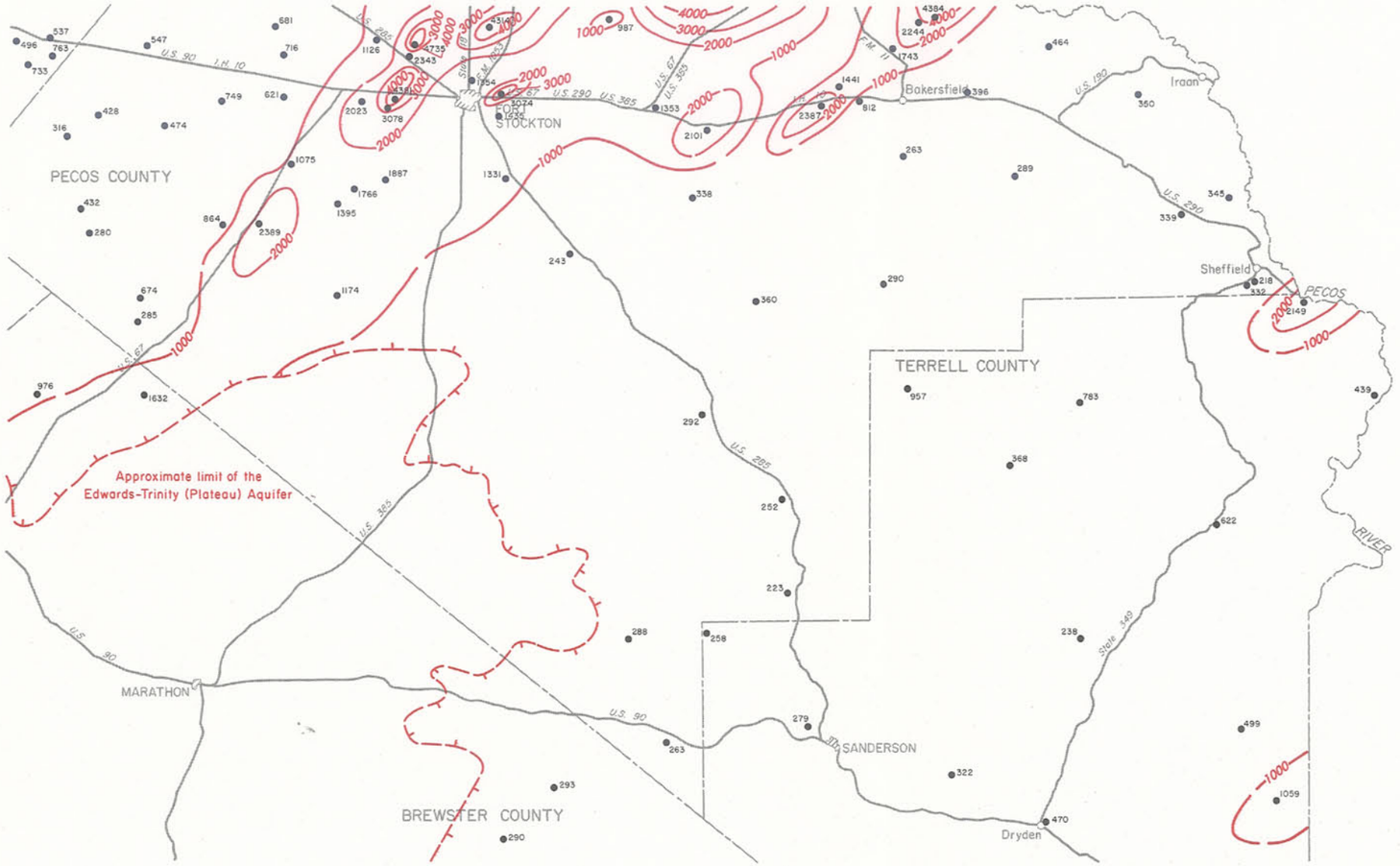
—3000—

Line showing approximate dissolved-solids content, in milligrams per liter
Dashed where control is absent or limited
Interval is variable

Location of Figures 9C, 9D and 9F shown on Figure 6—continued inset location map

Figure 9C

Dissolved-Solids Content of Water From Selected Wells Completed in the Salt Bolson and its Subareas and the Edwards-Trinity (Plateau) Aquifer



EXPLANATION

1979○ ●1979

Wells used for control
Number indicates total dissolved-solids content, in milligrams per liter
For analyses, see Table 6
Open circle indicates wells producing from the Salt Bolson and its subareas.
Closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer

3000

Line showing approximate dissolved-solids content, in milligrams per liter
Dashed where control is absent or limited
Interval is variable

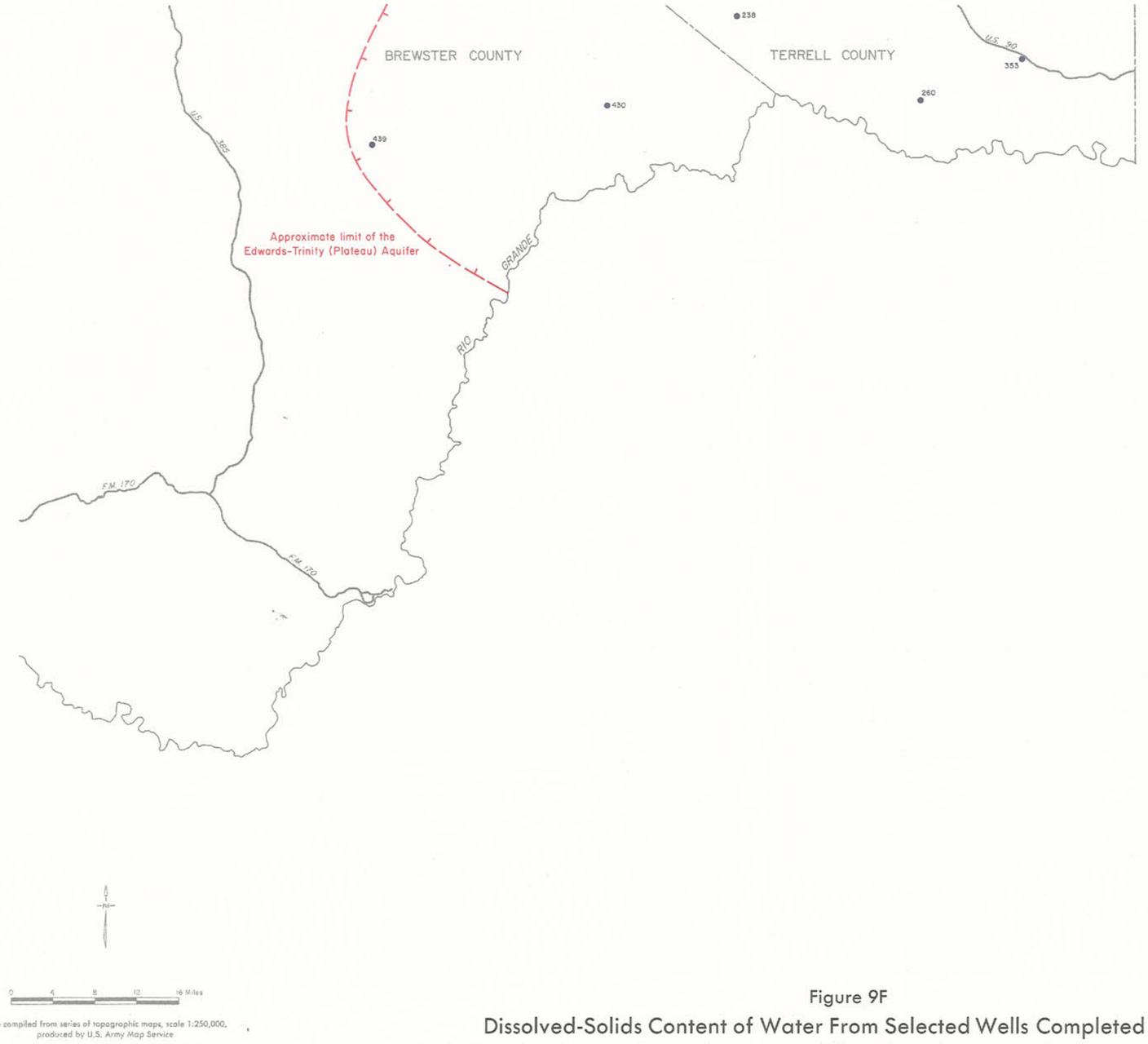
Location of Figures 9C, 9D and 9F shown on Figure 6—continued inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 9D

Dissolved-Solids Content of Water From Selected Wells Completed in the Salt Bolson and its Subareas and the Edwards-Trinity (Plateau) Aquifer



EXPLANATION

1979○ ●1979

Wells used for control
Number indicates total dissolved-solids content, in milligrams per liter
For analyses, see Table 6
Open circle indicates wells producing from the Salt Bolson and its subareas.
Closed circle indicates wells producing from the Edwards-Trinity (Plateau) aquifer

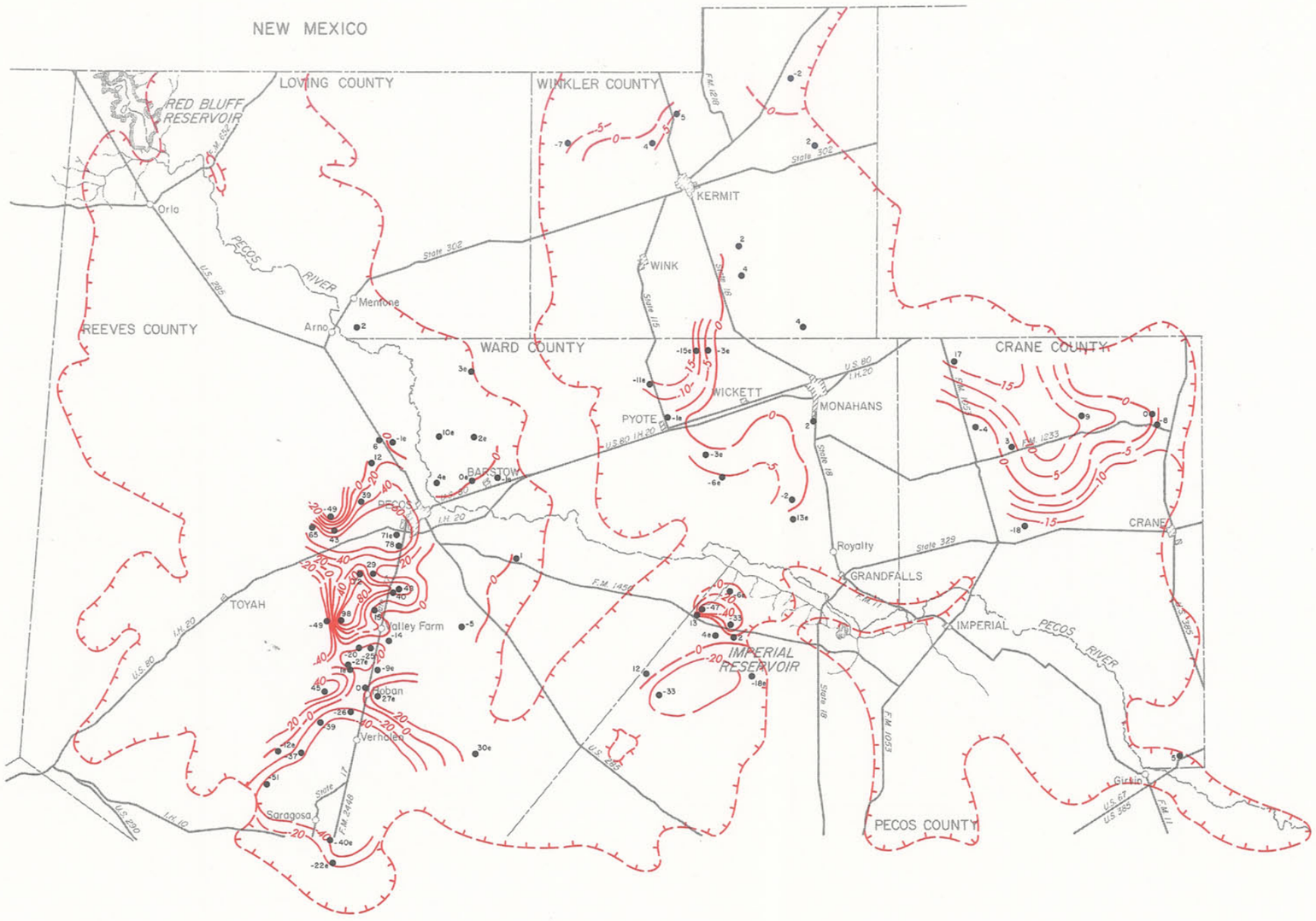
—3000—

Line showing approximate dissolved-solids content, in milligrams per liter
Dashed where control is absent or limited
Interval is variable

Location of Figures 9C, 9D and 9F shown on Figure 6—continued inset location map

Figure 9F

Dissolved-Solids Content of Water From Selected Wells Completed in the Salt Bolson and its Subareas and the Edwards-Trinity (Plateau) Aquifer



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

-12 ● ●5e

Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80

—20—

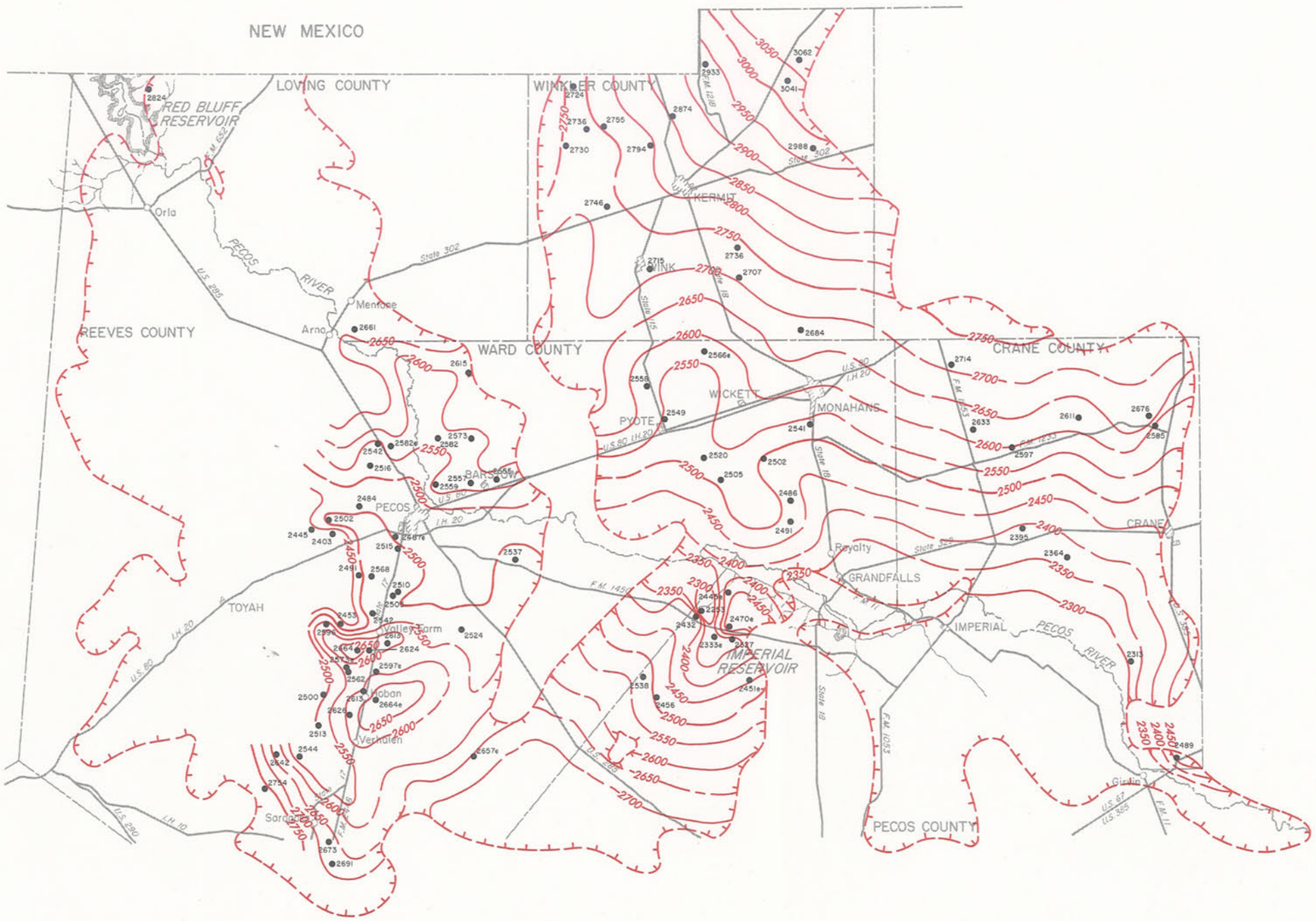
Line showing approximate change in water level
Dashed where control is absent or limited
Interval is variable

Approximate extent of the Cenozoic Alluvium aquifer
Dashed where control is absent or limited
Revised from Plate M6, Bull. 6502

Location of Figure 10B shown on
Figure 6 inset location map

Figure 10B

Approximate Change in Water Levels in Selected Wells Completed in the Cenozoic Alluvium Aquifer, About 1968-80



EXPLANATION

3000e

Well used for control
Number indicates altitude of water level, in feet above mean sea level;
"e" indicates altitude of water estimated from measurements made during the period 1968-80
Closed circle indicates wells pumping from the Cenozoic Alluvium and/or hydrologically connected units

3000

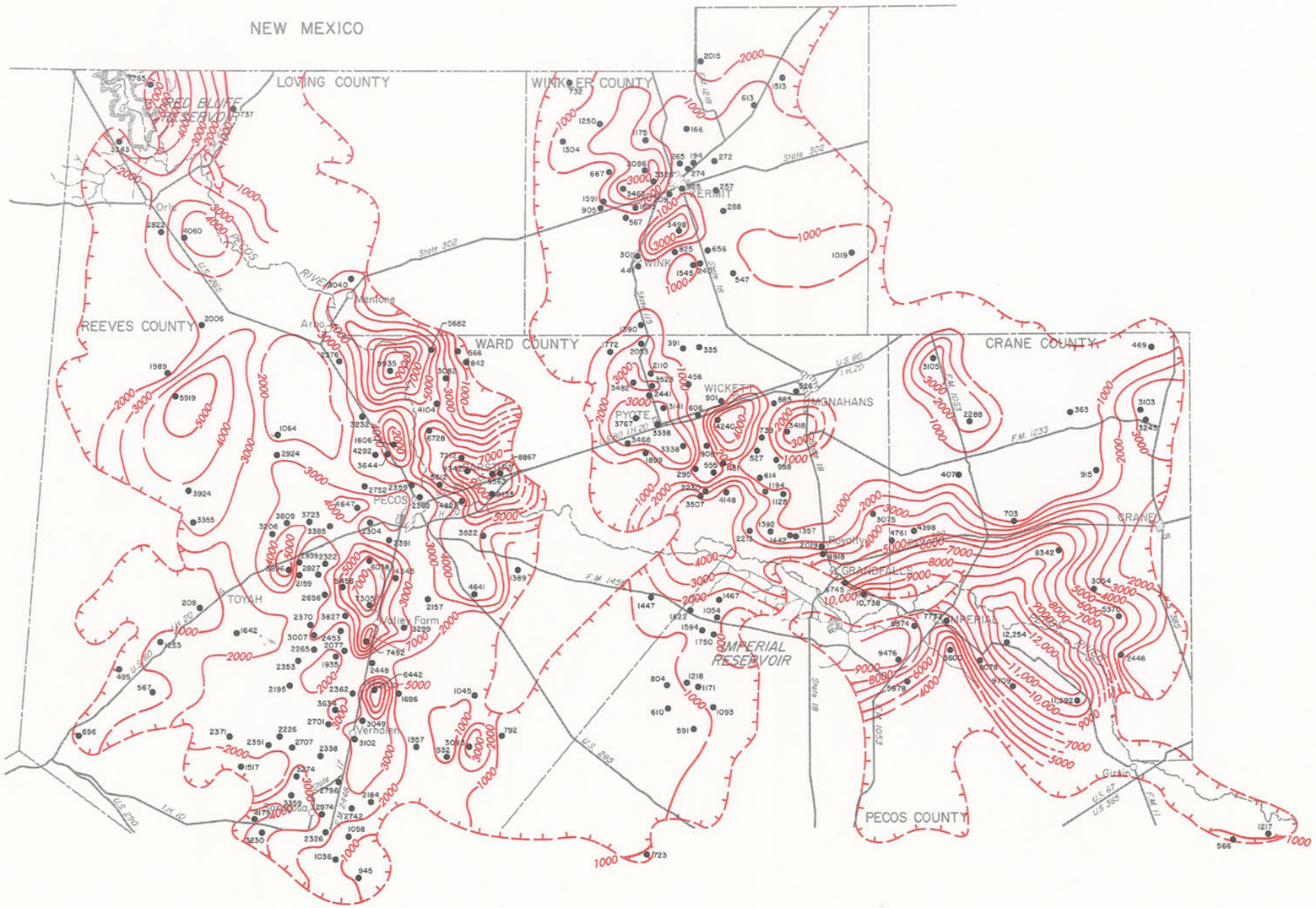
Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is 50 feet
Datum is mean sea level

Approximate extent of the Cenozoic Alluvium aquifer
Dashed where control is absent or limited
Revised from Plate M6, Bull. 6502

Location of Figure 11B shown on Figure 6 inset location map

Figure 11B

Approximate Altitude of Water Levels in Selected Wells Completed in the Cenozoic Alluvium and Hydrologically Connected Units, About January 1980



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

1979
Well used for control
Number indicates dissolved-solids content, in milligrams per liter
For analyses, see Table 6
Closed circle indicates wells pumping from the Cenozoic Alluvium

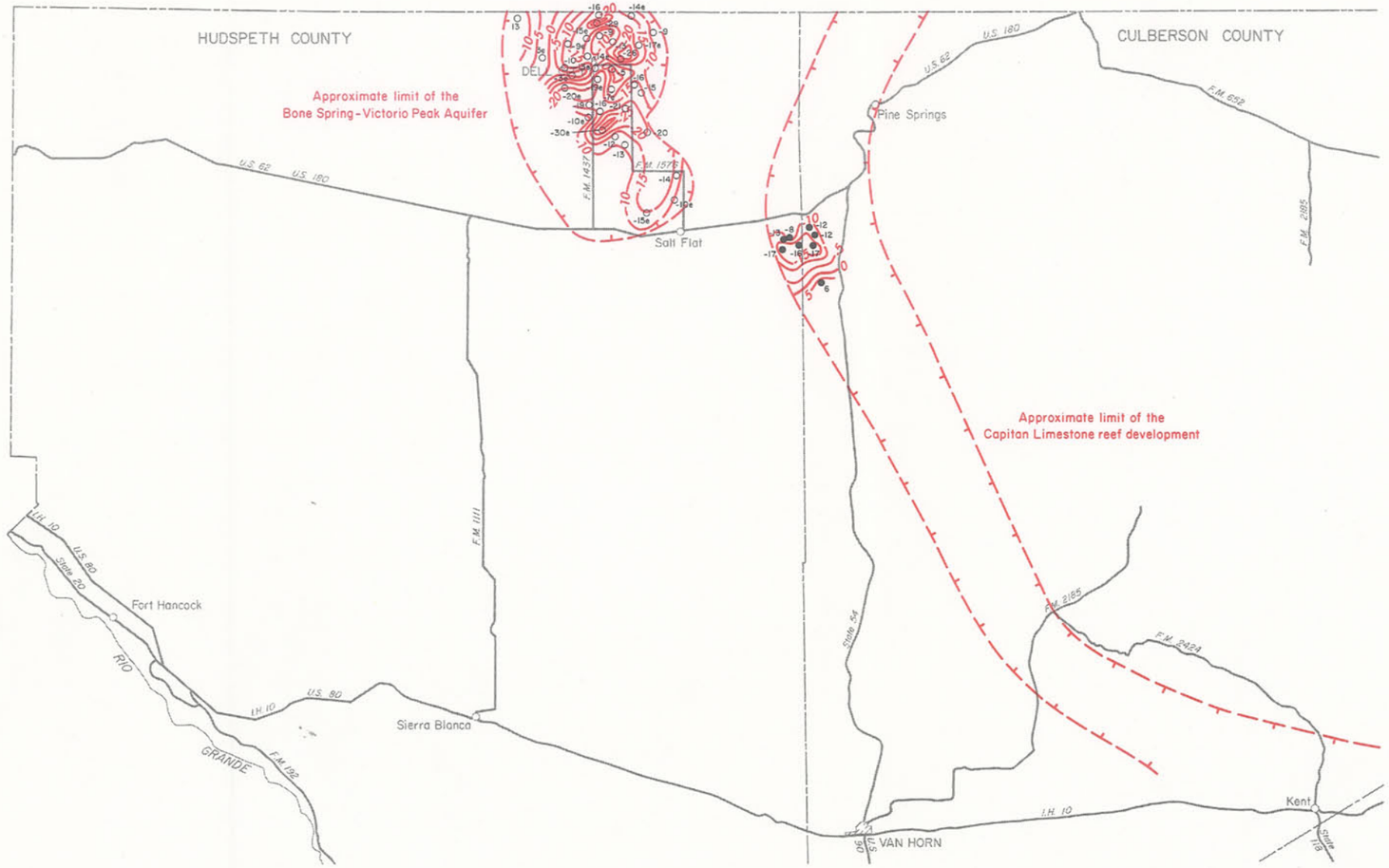
3000
Line showing approximate dissolved-solids content, in milligrams per liter
Dashed where control is absent or limited
Interval is 1000 milligrams per liter

Approximate extent of the Cenozoic Alluvium aquifer
Dashed where control is absent or limited
Revised from Plate M6, Bull. 6502

Location of Figure 12B shown on Figure 6 inset location map

Figure 12B

Dissolved-Solids Content of Water From Selected Wells Completed in the Cenozoic Alluvium Aquifer



EXPLANATION

-10e○ 20● ■8 ▲-14

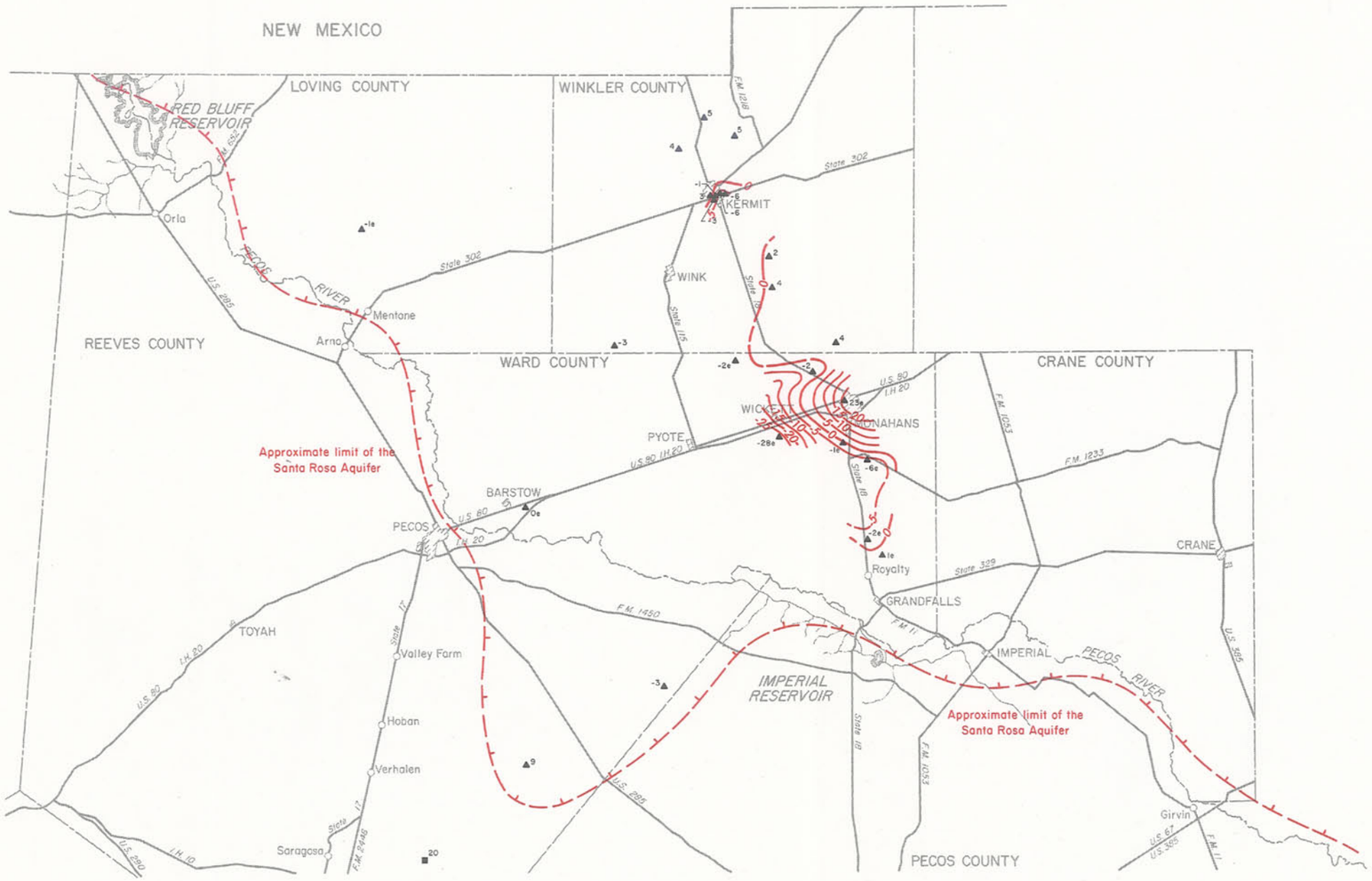
Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from
measurements made during the period 1968-80
Open circle indicates wells producing from the
Bone Spring-Victorio Peak,
closed circle indicates wells producing from the
Capitan,
closed square indicates wells producing from the
Rustler, and
closed triangle indicates wells producing from the
Santa Rosa-Alluvium aquifers

—20— Line showing approximate change in water level
Dashed where control is absent or limited
Interval is 5 feet

Location of Figures 13A and 13B shown on
Figure 6 inset location map

Figure 13A

Approximate Change in Water Levels in Selected Wells Completed in the
Bone Spring-Victorio Peak, Capitan,
Rustler, and Santa Rosa-Alluvium Aquifers, About 1968-80



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

-10e○ 20● ■8 ▲-14

Wells used for control
Minus number indicates decline,
plus number indicates rise, in feet;
"e" indicates decline or rise estimated from measurements made during the period 1968-80
Open circle indicates wells producing from the Bone Spring-Victorio Peak,
closed circle indicates wells producing from the Capitan,
closed square indicates wells producing from the Rustler, and
closed triangle indicates wells producing from the Santa Rosa-Alluvium aquifers

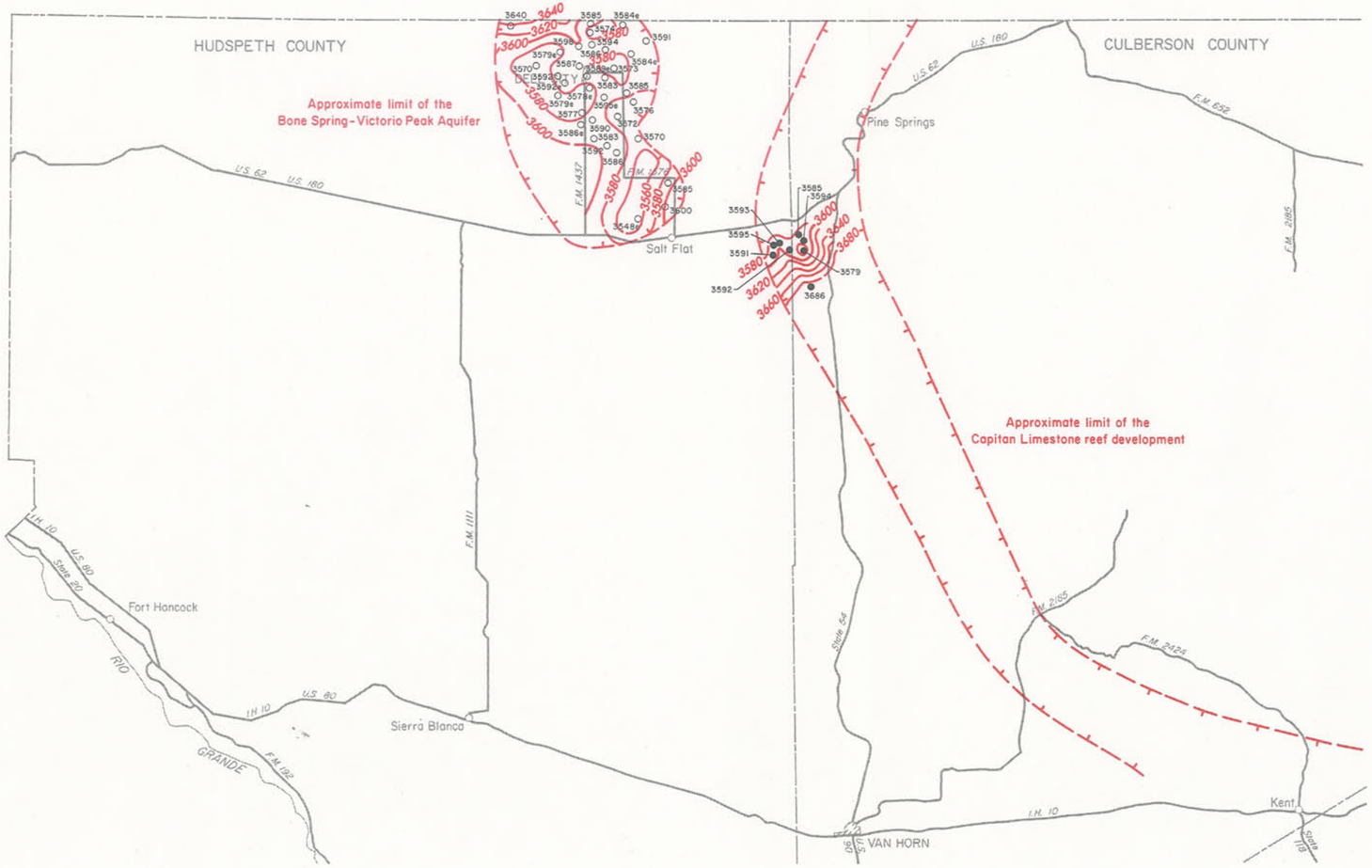
-20- — —

Line showing approximate change in water level
Dashed where control is absent or limited
Interval is 5 feet

Location of Figures 13A and 13B shown on Figure 6 inset location map

Figure 13B

Approximate Change in Water Levels in Selected Wells Completed in the Bone Spring-Victorio Peak, Capitan, Rustler, and Santa Rosa-Alluvium Aquifers, About 1968-80



EXPLANATION

1050○ 975● ■865 ▲1400?

Wells used for control
Number indicates altitude of water level,
in feet above mean sea level;
"e" indicates altitude of water estimated from
measurements made during the period 1968-80;
"?" indicates water level may not be
truely representative due to comingling of zones
Open circle indicates wells producing from the
Bone Spring-Victorio Peak,
closed circle indicates wells producing from the
Capitan,
closed square indicates wells producing from the
Rustler, and
closed triangle indicates wells producing from the
Santa Rosa—Alluvium aquifers

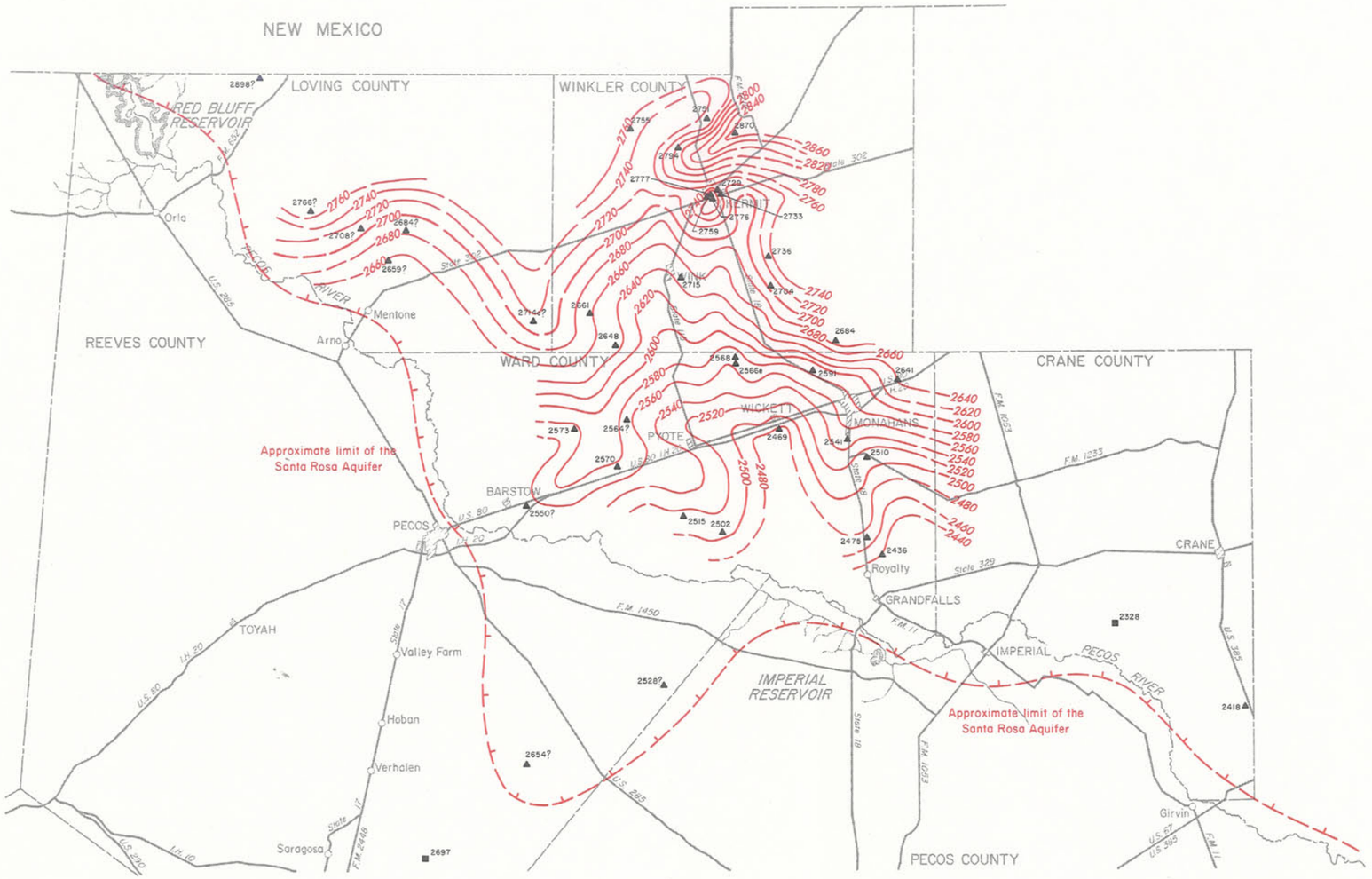
3000

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is 20 feet
Datum is mean sea level

Location of Figures 14A and 14B shown on
Figure 6 inset location map

Figure 14A

Approximate Altitude of Water Levels in Selected Wells Completed in the Bone Spring-Victorio Peak, Capitan, Rustler, and Santa Rosa-Alluvium Aquifers, About January 1980



EXPLANATION

1050e○ 975● ■865 ▲1400?

Wells used for control
Number indicates altitude of water level, in feet above mean sea level;
"e" indicates altitude of water estimated from measurements made during the period 1968-80;
"?" indicates water level may not be truely representative due to comingling of zones
Open circle indicates wells producing from the Bone Spring-Victorio Peak,
closed circle indicates wells producing from the Capitan,
closed square indicates wells producing from the Rustler, and
closed triangle indicates wells producing from the Santa Rosa—Alluvium aquifers

3000

Line showing approximate altitude of water level
Dashed where control is absent or limited
Interval is 20 feet
Datum is mean sea level

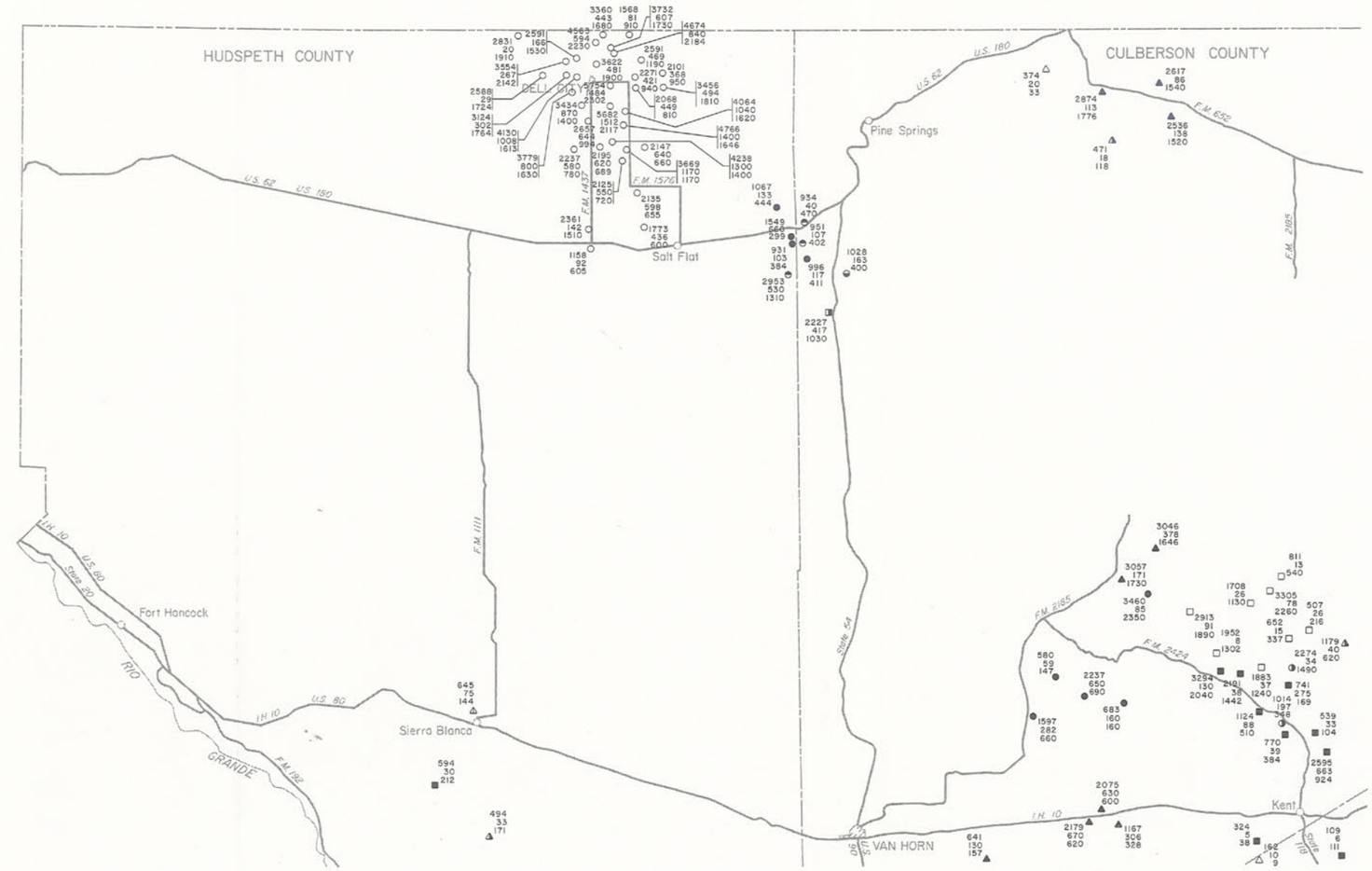
Location of Figures 14A and 14B shown on Figure 6 inset location map

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 14B

Approximate Altitude of Water Levels in Selected Wells Completed in the Bone Spring-Victorio Peak, Capitan, Rustler, and Santa Rosa-Alluvium Aquifers, About January 1980



EXPLANATION

1979
198
1030

Well used for control
Top number indicates dissolved-solids content, in milligrams per liter;
middle number indicates chloride content, in milligrams per liter;
bottom number indicates sulfate content, in milligrams per liter
For dates of analyses, see Table 6

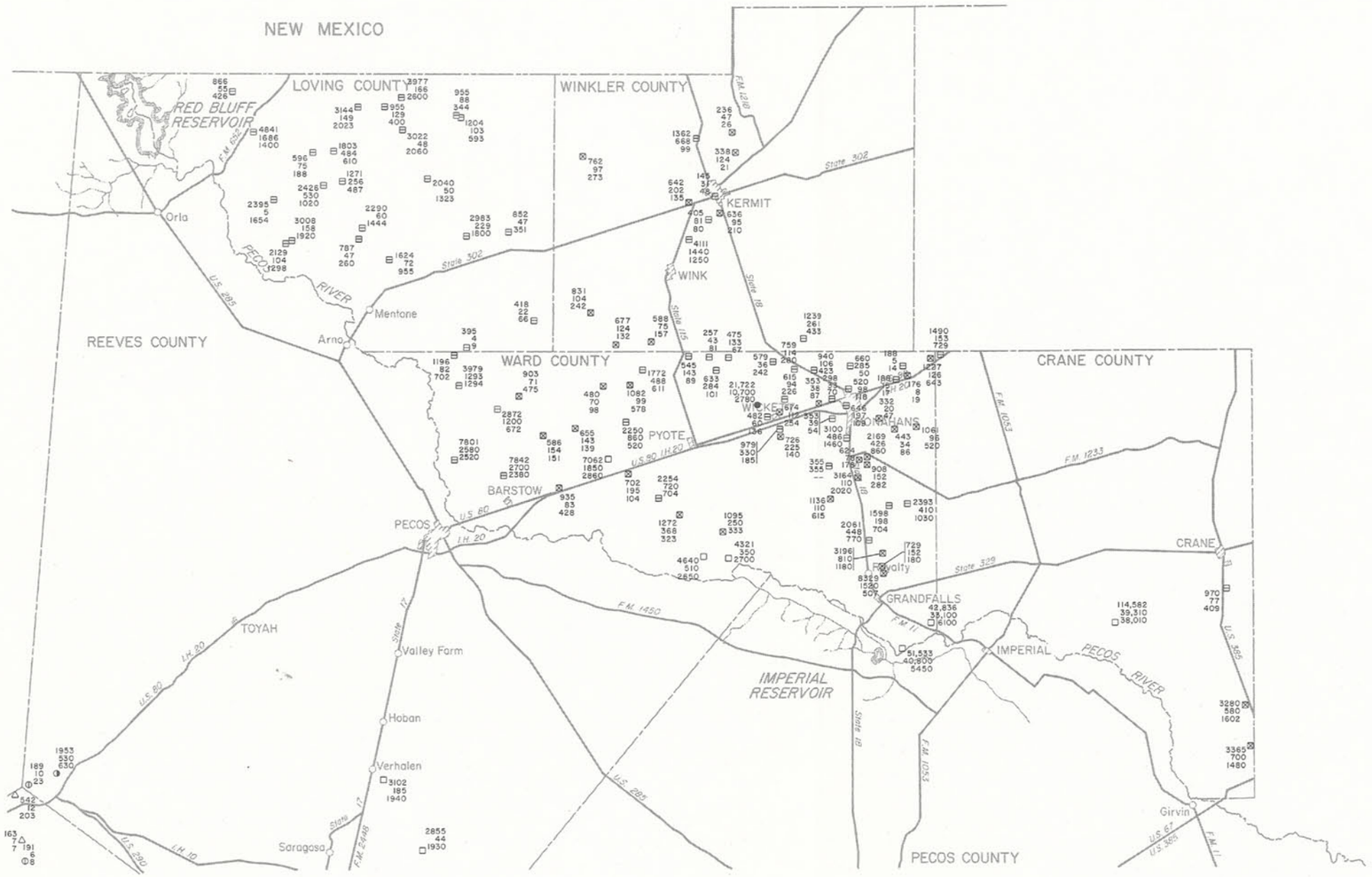
Location of Figures 15A and 15B shown on Figure 6 inset location map

Symbols denoting various aquifers

- ▲ — Alluvium and/or bolson deposits
- ◓ — Alluvium and/or bolson deposits and Capitan Limestone
- ◨ — Alluvium and/or bolson deposits and Delaware Mountain Group
- ○ — Bone Spring—Victorio Peak Limestones
- ● — Capitan Limestone (reef complex and associated limestone)
- △ — Cox Sandstone
- ■ — Cretaceous rocks, undifferentiated
- ◒ — Delaware Mountain Group
- ◑ — Lower Cretaceous rocks
- ▲ — Permian rocks, undifferentiated
- ▨ — Quaternary alluvial deposits and Cretaceous rocks, undifferentiated
- ⊕ — Quaternary alluvial deposits and Lower Cretaceous rocks
- □ — Rustler Formation
- △ — Scattered Quaternary alluvial deposits and Quaternary alluvial deposits along the Rio Grande
- ▨ — Santa Rosa Sandstone
- ⊟ — Santa Rosa Sandstone and Quaternary (Cenozoic) alluvial deposits
- ⊕ — Tertiary volcanics
- ⊟ — Tertiary volcanics and alluvium and/or bolson
- ⊟ — Upper Cretaceous rocks

Figure 15A

Dissolved-Solids Content of Water From Selected Wells Completed in Aquifers Other Than the Cenozoic Alluvium, Edwards-Trinity (Plateau) and the Salt Bolson and its Subareas



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

1979
198
1030

Well used for control
Top number indicates dissolved-solids content, in milligrams per liter;
middle number indicates chloride content, in milligrams per liter;
bottom number indicates sulfate content, in milligrams per liter
For dates of analyses, see Table 6

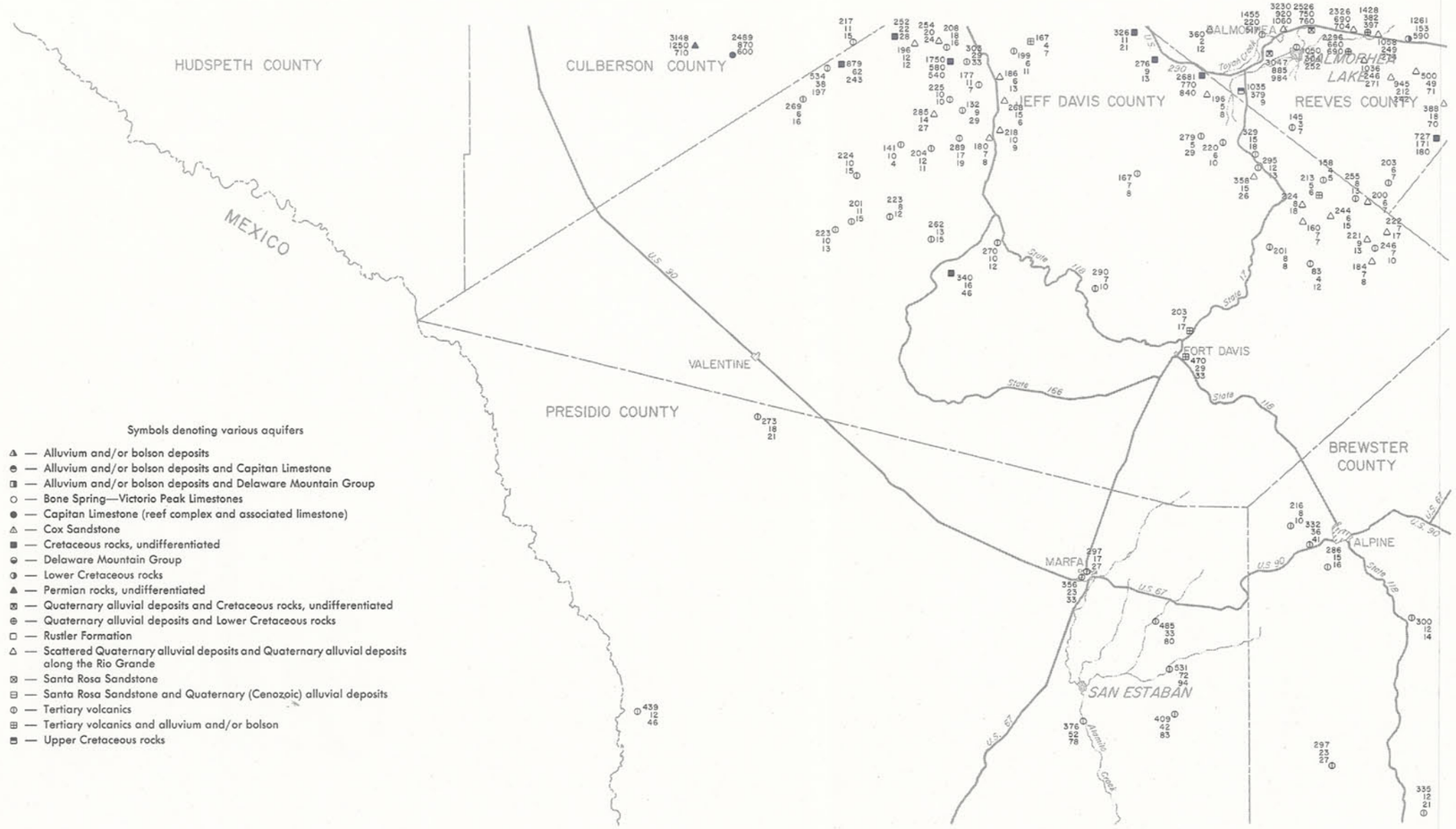
Location of Figures 15A and 15B shown on Figure 6 inset location map

Symbols denoting various aquifers

- ◭ — Alluvium and/or bolson deposits
- ◓ — Alluvium and/or bolson deposits and Capitan Limestone
- ◨ — Alluvium and/or bolson deposits and Delaware Mountain Group
- ○ — Bone Spring—Victorio Peak Limestones
- ● — Capitan Limestone (reef complex and associated limestone)
- ◬ — Cox Sandstone
- ■ — Cretaceous rocks, undifferentiated
- ◒ — Delaware Mountain Group
- ◑ — Lower Cretaceous rocks
- ▲ — Permian rocks, undifferentiated
- ⊠ — Quaternary alluvial deposits and Cretaceous rocks, undifferentiated
- ⊕ — Quaternary alluvial deposits and Lower Cretaceous rocks
- □ — Rustler Formation
- △ — Scattered Quaternary alluvial deposits and Quaternary alluvial deposits along the Rio Grande
- ⊠ — Santa Rosa Sandstone
- ⊟ — Santa Rosa Sandstone and Quaternary (Cenozoic) alluvial deposits
- ◍ — Tertiary volcanics
- ⊞ — Tertiary volcanics and alluvium and/or bolson
- ⊟ — Upper Cretaceous rocks

Figure 15B

Dissolved-Solids Content of Water From Selected Wells Completed in Aquifers Other Than the Cenozoic Alluvium, Edwards-Trinity (Plateau) and the Salt Bolson and its Subareas



Symbols denoting various aquifers

- ▲ — Alluvium and/or bolson deposits
- ◓ — Alluvium and/or bolson deposits and Capitan Limestone
- ◨ — Alluvium and/or bolson deposits and Delaware Mountain Group
- ○ — Bone Spring—Victorio Peak Limestones
- ● — Capitan Limestone (reef complex and associated limestone)
- △ — Cox Sandstone
- ■ — Cretaceous rocks, undifferentiated
- ◒ — Delaware Mountain Group
- ◑ — Lower Cretaceous rocks
- ▲ — Permian rocks, undifferentiated
- ⊠ — Quaternary alluvial deposits and Cretaceous rocks, undifferentiated
- ⊕ — Quaternary alluvial deposits and Lower Cretaceous rocks
- □ — Rustler Formation
- △ — Scattered Quaternary alluvial deposits and Quaternary alluvial deposits along the Rio Grande
- ⊠ — Santa Rosa Sandstone
- ⊟ — Santa Rosa Sandstone and Quaternary (Cenozoic) alluvial deposits
- ⊙ — Tertiary volcanics
- ⊞ — Tertiary volcanics and alluvium and/or bolson
- ▬ — Upper Cretaceous rocks

EXPLANATION

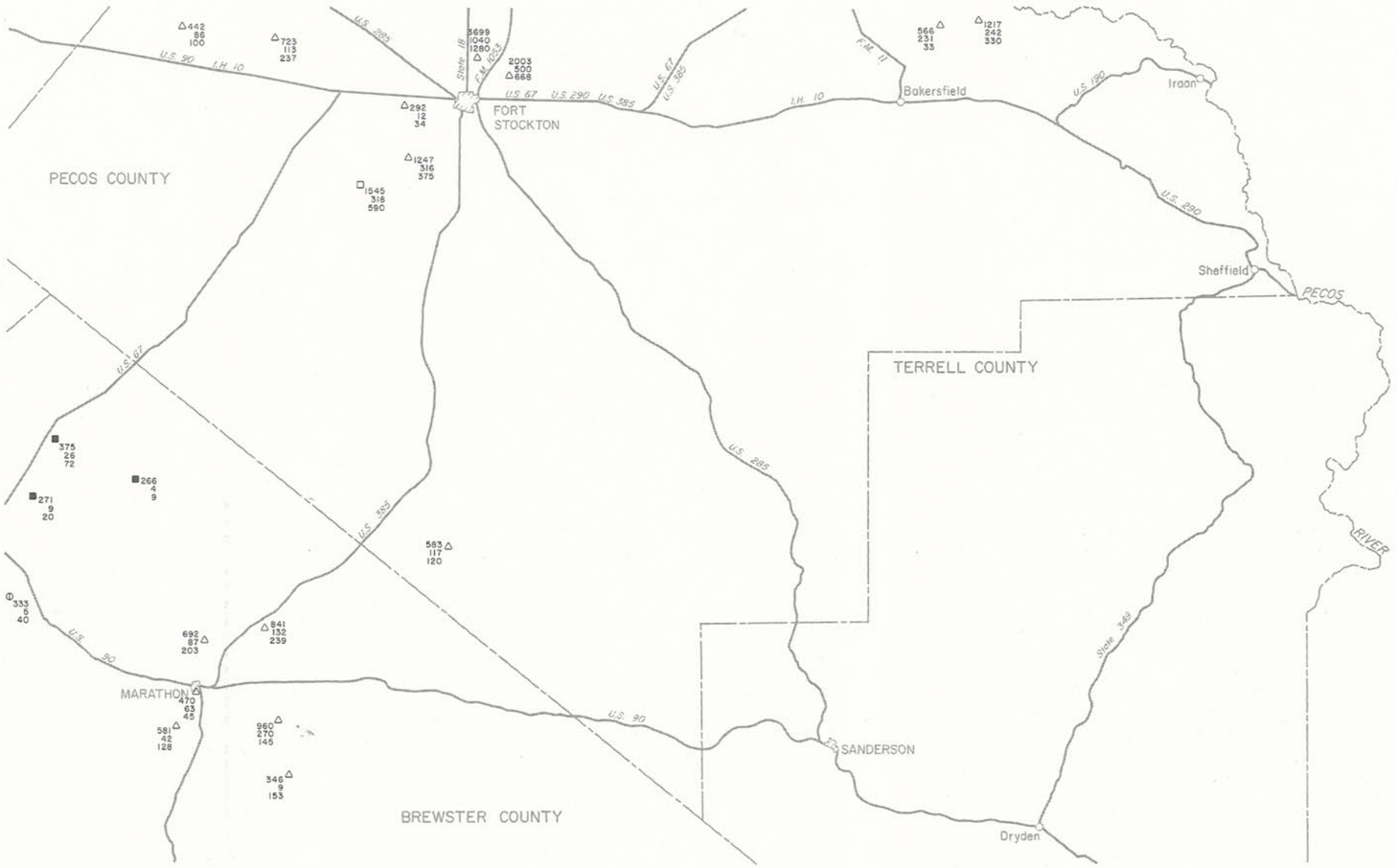
1979
198 ●
1030

Well used for control
Top number indicates dissolved-solids content, in milligrams per liter;
middle number indicates chloride content, in milligrams per liter;
bottom number indicates sulfate content, in milligrams per liter
For dates of analyses, see Table 6

Location of Figures 15C through 15F shown on Figure 6—continued inset location map

Figure 15C

Dissolved-Solids Content of Water From Selected Wells Completed in Aquifers Other Than the Cenozoic Alluvium, Edwards-Trinity (Plateau) and the Salt Bolson and its Subareas



Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

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Well used for control
Top number indicates dissolved-solids content, in milligrams per liter;
middle number indicates chloride content, in milligrams per liter;
bottom number indicates sulfate content, in milligrams per liter
For dates of analyses, see Table 6

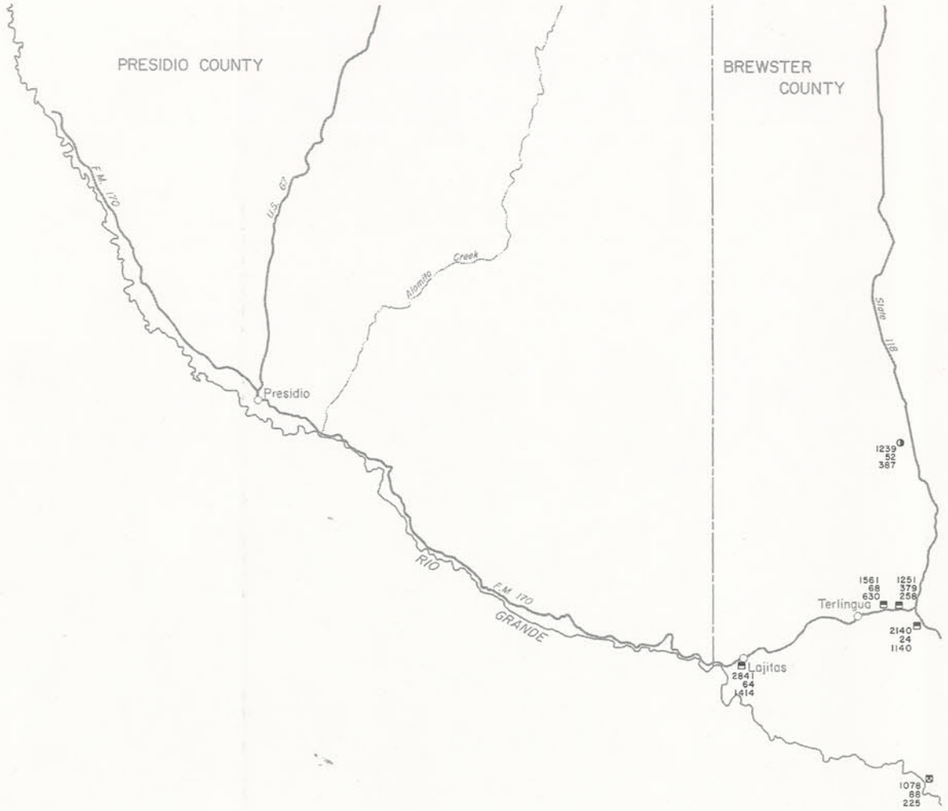
Location of Figures 15C through 15F shown on Figure 6—continued inset location map

Symbols denoting various aquifers

- △ — Alluvium and/or bolson deposits
- ◔ — Alluvium and/or bolson deposits and Capitan Limestone
- ◨ — Alluvium and/or bolson deposits and Delaware Mountain Group
- ○ — Bone Spring—Victorio Peak Limestones
- ● — Capitan Limestone (reef complex and associated limestone)
- △ — Cox Sandstone
- ■ — Cretaceous rocks, undifferentiated
- ◒ — Delaware Mountain Group
- ◔ — Lower Cretaceous rocks
- ▲ — Permian rocks, undifferentiated
- ⊠ — Quaternary alluvial deposits and Cretaceous rocks, undifferentiated
- ⊕ — Quaternary alluvial deposits and Lower Cretaceous rocks
- □ — Rustler Formation
- △ — Scattered Quaternary alluvial deposits and Quaternary alluvial deposits along the Rio Grande
- ⊠ — Santa Rosa Sandstone
- ⊟ — Santa Rosa Sandstone and Quaternary (Cenozoic) alluvial deposits
- ⊙ — Tertiary volcanics
- ⊞ — Tertiary volcanics and alluvium and/or bolson
- ⊟ — Upper Cretaceous rocks

Figure 15D

Dissolved-Solids Content of Water From Selected Wells Completed in Aquifers Other Than the Cenozoic Alluvium, Edwards-Trinity (Plateau) and the Salt Bolson and its Subareas



EXPLANATION

1979
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1030

Well used for control
Top number indicates dissolved-solids content, in milligrams per liter;
middle number indicates chloride content, in milligrams per liter;
bottom number indicates sulfate content, in milligrams per liter
For dates of analyses, see Table 6

Location of Figures 15C through 15F shown on Figure 6—continued inset location map

Symbols denoting various aquifers

- △ — Alluvium and/or bolson deposits
- ◓ — Alluvium and/or bolson deposits and Capitan Limestone
- ◨ — Alluvium and/or bolson deposits and Delaware Mountain Group
- ○ — Bone Spring—Victorio Peak Limestones
- ● — Capitan Limestone (reef complex and associated limestone)
- ◬ — Cox Sandstone
- ■ — Cretaceous rocks, undifferentiated
- ◒ — Delaware Mountain Group
- ◑ — Lower Cretaceous rocks
- ▲ — Permian rocks, undifferentiated
- ⊠ — Quaternary alluvial deposits and Cretaceous rocks, undifferentiated
- ⊕ — Quaternary alluvial deposits and Lower Cretaceous rocks
- □ — Rustler Formation
- △ — Scattered Quaternary alluvial deposits and Quaternary alluvial deposits along the Rio Grande
- ⊠ — Santa Rosa Sandstone
- ⊟ — Santa Rosa Sandstone and Quaternary (Cenozoic) alluvial deposits
- ⊙ — Tertiary volcanics
- ⊞ — Tertiary volcanics and alluvium and/or bolson
- ⊟ — Upper Cretaceous rocks

0 4 8 12 16 Miles

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

Figure 15E

Dissolved-Solids Content of Water From Selected Wells Completed in Aquifers Other Than the Cenozoic Alluvium, Edwards-Trinity (Plateau) and the Salt Bolson and its Subareas

Base compiled from series of topographic maps, scale 1:250,000, produced by U.S. Army Map Service

EXPLANATION

1979
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1030

Well used for control
Top number indicates dissolved-solids content, in milligrams per liter;
middle number indicates chloride content, in milligrams per liter;
bottom number indicates sulfate content, in milligrams per liter
For dates of analyses, see Table 6

Location of Figures 15C through 15F shown on Figure 6—continued inset location map

Symbols denoting various aquifers

- △ — Alluvium and/or bolson deposits
- ◓ — Alluvium and/or bolson deposits and Capitan Limestone
- ◨ — Alluvium and/or bolson deposits and Delaware Mountain Group
- ○ — Bone Spring—Victorio Peak Limestones
- ● — Capitan Limestone (reef complex and associated limestone)
- ⚠ — Cox Sandstone
- ■ — Cretaceous rocks, undifferentiated
- ◒ — Delaware Mountain Group
- ◑ — Lower Cretaceous rocks
- ▲ — Permian rocks, undifferentiated
- ⊠ — Quaternary alluvial deposits and Cretaceous rocks, undifferentiated
- ⊕ — Quaternary alluvial deposits and Lower Cretaceous rocks
- □ — Rustler Formation
- △ — Scattered Quaternary alluvial deposits and Quaternary alluvial deposits along the Rio Grande
- ⊠ — Santa Rosa Sandstone
- ⊟ — Santa Rosa Sandstone and Quaternary (Cenozoic) alluvial deposits
- ⊙ — Tertiary volcanics
- ⊞ — Tertiary volcanics and alluvium and/or bolson
- ⊟ — Upper Cretaceous rocks

Figure 15F

Dissolved-Solids Content of Water From Selected Wells Completed in Aquifers Other Than the Cenozoic Alluvium, Edwards-Trinity (Plateau) and the Salt Bolson and its Subareas